Intermountain Gas Company

IGRAC Committee Member List/Invitation

Integrated Resource Plan 2021 – 2026

Exhibit No. 1
Section A

Thompson, Raycee

From: IGC IRP Comments
Sent: Thursday, February 11, 2021 2:33 PM
Cc: Blattner, Lori
Subject: Welcome to the Intermountain Gas Resource Advisory Committee

Greetings,

Thank you for being a member of the Intermountain Gas Resource Advisory Committee (IGRAC). Intermountain Gas is preparing for the 2021 IRP (Integrated Resource Plan) to be filed in the fall, which we do every two years.

Below is a little bit of background on the IRP and what all it entails.

IRP Background
The IRP is a required filing to the Idaho Public Utilities Commission (IPUC) that documents our planning process for ensuring there is enough safe and reliable delivery capacity and gas supply as our system continues to experience customer growth.

Our Advisory Committee members are an important source of feedback for us as we work through the process of developing the final plan. To solicit this feedback, we traditionally hold three meetings across our service territory (Boise, Twin Falls, and Idaho Falls). At these meetings, we present the assumptions and analysis that go into creating the IRP. For the 2021 IRP, it is likely our meetings will be held virtually via Microsoft Teams. Below is a schedule for the meetings and topics:

Meeting Date	Meeting Topics
3/9/2021	Weather, Core Market Customers, Large Volume Forecast, Guest Speaker: Economist
5/17/2021	Usage Per Customer, Energy Efficiency, Supply Resources
7/26/2021	Non-Traditional Resources, LDCs, Enhancements and Optimization

As an advisory member, you are encouraged to provide feedback before, after and during the meetings. We will allow for a 10 day feedback window after meetings to ensure that all thoughts and ideas can be considered and incorporated into our work before it is finalized.

Within the next week I will send out a Microsoft Teams invitation for the first advisory meeting. Please feel free to reach out to me with any questions you may have.

Sincerely,

Raycee Thompson, CMA
Regulatory Analyst
☎ 208.377.6046
✉ IRP.Comments@intgas.com

Intermountain Gas Resource Advisory Committee Members

First Name	Last Name	Organization
John	Chatburn	Idaho Office of Energy Resources
Brad	Dillon	Northwest Pipeline- Williams
Teresa	McKnight	REDI of Eastern Idaho
Kit	Kamo	Snake River Economic Development Alliance
Kristen	Nieskens	Snake River Economic Development Alliance
Tina	Wilson	Western Alliance For Economic Development
Connie	Stopher	SEID (Southern Idaho Economic Development)
Steve	Fultz	Caldwell Economic Development
Steven	Jenkins	Caldwell Economic Development
Robyn	Sellers	City of Nampa, Economic Development
Matt	Hunter	Pocatello/Chubbuck Chamber of Commerce
Scott	Reese	REDI Board
Dana	Briggs	City of Idaho Falls
Rebecca	Wildman	Business Plus
Susie	Davidson	Idaho Commerce
Trung	Pham	Idaho Commerce
Victoria	Cleary	City of Meridian
MiaCate	Kennedy	Bannock Development Corporation
Katie	Pegan	OEMR (Office of Energy and Mineral Resources
Marissa	Warren	OEMR (Office of Energy and Mineral Resources
Terri	Carlock	Idaho Public Utilities Commission
Donn	English	Idaho Public Utilities Commission
Kevin	Keyt	Idaho Public Utilities Commission
Taylor	Thomas	Idaho Public Utilities Commission
Brad	Iverson-Long	Idaho Public Utilities Commission
Mike	Louis	Idaho Public Utilities Commission
Rick	Keller	Idaho Public Utilities Commission

Region	Members
Western	18
Central	2
Eastern	5
N/A	2
Total	27

Intermountain Gas Company

March 9, 2021 IGRAC Committee Meeting Slides

Integrated Resource Plan 2021 – 2026

Exhibit No. 1
Section B

February 26, 2021

Good Morning,

Intermountain Gas Company will be hosting its first in a series of virtual meetings to review aspects of the Company's draft 2021 Integrated Resource Plan. The first Advisory Committee Meeting will be held:

On: **March 9th, 2021**

Via: **Microsoft Teams**

From: **10 am – 12:30 pm**

At this meeting, Intermountain Gas Company employees will present the process and preliminary data regarding the following:

- Design Heating Degree Days
- Residential & Commercial Customer Growth
- Industrial Customer Forecasts

As a reminder, you are encouraged to provide feedback before, during, and after the meeting. We will allow for a 10 day feedback window after this meeting to ensure that all suggestions are considered before work in the above areas is finalized.

Please RSVP by responding to this Teams invitation. Feel free to reach out to me with any questions you may have.

Should your schedule not permit you to attend, the meeting materials will be provided to you after the meeting for your review and feedback.

Sincerely,

Raycee Thompson, CMA

Regulatory Analyst

☎ 208.377.6046

✉ Raycee.Thompson@intgas.com

INTERMOUNTAIN® GAS COMPANY
A Subsidiary of MDU Resources Group, Inc.

INTEGRATED RESOURCE PLAN

MARCH 9, 2021
INTERMOUNTAIN GAS RESOURCE ADVISORY COMMITTEE (IGRAC)

1

WELCOME

- Introductions
  - Name
  - Organization you are representing
  - Favorite morning beverage

2

BENEFITS OF AN IRP

- Blueprint to meet the Company's firm customer demands over a five-year forecast period based on various assumptions
- Provides frequent updates to the projected growth on the Company's system
- Considers all available resources to meet the needs of the Company's customers on a consistent and comparable basis
- Solicits input from Stakeholders during the modeling process
- Helps to ensure Intermountain Gas Company will continue to provide reliable energy service while minimizing costs

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INTERMOUNTAIN GAS COMPANY

- **Integrated Resource Plan Process**

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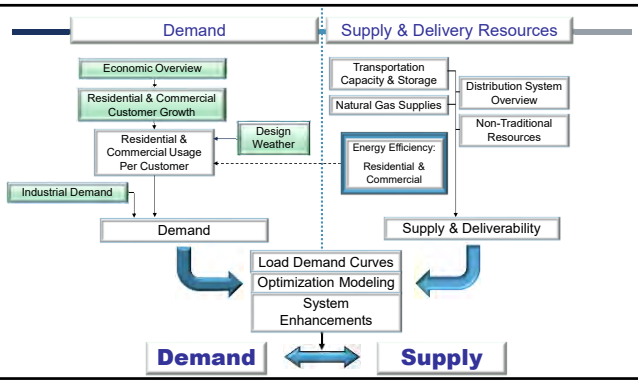

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AGENDA

- **Welcome & Introductions** – *Lori Blattner*
- **Safety Moment & Feedback Process** – *Raycee Thompson*
- **IRP Recommendations** – *Jacob Darrington*
- **System Overview –** *Brian Robertson*
- **Guest Speaker** – *John Church, Economist*
- **Residential & Commercial Customer Growth** - *Cheryl Imlach*
- **Design Heating Degree Days –** *Landon Barber*
- **Industrial Customer Forecasts** – *Dave Swenson*
- **Questions/Discussion**

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SAFETY MOMENT

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FEEDBACK SUBMISSIONS

- IRP.Comments@intgas.com
- Please provide comments and feedback within 10 days

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2019 IRP ACKNOWLEDGEMENT AND IRP RECOMMENDATIONS

- Final Order No. 34742 – Commission Acknowledged Intermountain's 2019 IRP Filing
- Commission Recommendations for Intermountain's IRP Process:
  - Include Analysis of All Options Considered to Resolve Identified Deficits
  - Validate the Peak Consumption Estimates from CMM Using Actual Peak Data from AMI Meters
  - Seek, Inform, and Share Scenario Analyses, and Allow Diverse Stakeholders to Participate in IGRAC

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SYSTEM OVERVIEW

BRIAN ROBERTSON
SUPERVISOR, RESOURCE PLANNING

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INTERMOUNTAIN GAS COMPANY

- Intermountain Gas Company is a natural gas local distribution company, founded in 1950 and served its first customer in 1956
- Provides service to 76 communities across southern Idaho
- 387,000+ customers
- Delivered over 750 million therms in 2020

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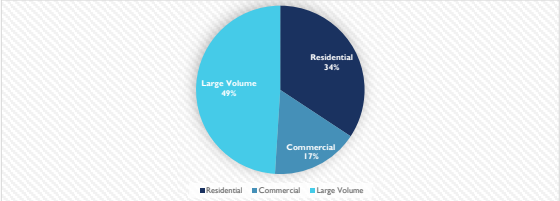
THROUGHPUT BY CUSTOMER CLASS



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INTERMOUNTAIN GAS COMPANY DISTRIBUTION SYSTEM

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AREAS OF INTEREST (AOI)

- Distribution System Segments:
  - Canyon County
  - Central Ada County Lateral
  - North of State Street Lateral
  - Sun Valley Lateral
  - Idaho Falls Lateral
  - All Other Customers

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REGIONAL PIPELINES

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INTERMOUNTAIN GAS COMPANY
INTEGRATED RESOURCE PLAN

ECONOMIC FORECAST

JOHN CHURCH
IDAHO ECONOMICS
FEBRUARY 2021

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INTERMOUNTAIN GAS COMPANY
INTEGRATED RESOURCE PLAN

Idaho Economics Winter 2020 Economic Forecast

for the State of Idaho and the Counties in Idaho

Provides annual average statewide and county projections of employment, population, and households

Uses national employment trend as a primary driver for those sectors of the Idaho economy with a significant national economic exposure. However, the forecast is also interactive with the local serving sectors of the Idaho economy.

Projections of future population in the State and the Counties utilize a cohort component population forecasting model which predicts annual births, deaths, as well as population in/out migration.

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INTERMOUNTAIN GAS COMPANY
INTEGRATED RESOURCE PLAN

Idaho Economics Winter 2020 Economic Forecast

for the State of Idaho and the Counties in Idaho

Future household growth, which is the key driver for future residential customer growth is modeled as a function of total population (less those individuals in group quarters), and general economic conditions in the state.

In brief: good or improving economic conditions will speed up the rate of household growth, however worsening or declining economic conditions will slow the rate of household formation and, in turn, slow the rate of household growth.

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Idaho Economics Winter 2020 Economic Forecast

-The Great Recession of 2008 brought about a significant decline in Idaho's nonagricultural employment. From year-end 2007 through 2010 Idaho nonagricultural employment decreased by 7.9%, a loss of 51,500 jobs. The effects of 2008 – 2010 recession were relatively long lasting. Total nonagricultural employment in the state attained an annual average of 654,700 in 2007. It took 7 years, until the year 2014, for nonagricultural employment in the state reach prerecession levels.

- Since 2014 Idaho's economy has regained its economic footing. Total nonagricultural employment in the state surged upward gaining nearly 105,000 jobs in five years – an annual average pace of 3.0% per year. During those five years Idaho was consistently ranked among the 5 fastest growing states in the nation.

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Idaho Economics Winter 2020 Economic Forecast

• **The COVID-19 Pandemic & Idaho's Economic & Population Growth:**

- In 2020 the COVID-19 pandemic brought Idaho's economic growth to a halt. From February 2020 to April 2020 nonagricultural in Idaho declined by 9.8% - a decrease of 74,300 jobs in a period of two months. This was a much sharper and steeper economic decline than that experienced in the 2008 Great Recession.

- Initial expectations were that an economic recovery could be a long and tedious process. That still may be the case for many regions and areas of the country. However, the latest economic statistics seem to indicate that that may not be the case in Idaho. The growth in Idaho's population was a driving force in Idaho's economic growth prior to the pandemic and continues today. Population growth in the state has brought new jobs to the state and spurred on construction and trade employment in the state.

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Idaho Economics Winter 2020 Economic Forecast

• **The COVID-19 Pandemic & Idaho's Economic & Population Growth:**

- Some statistics:

- While Idaho's non-ag employment declined by nearly 74,000 in two months, construction employment in the state continued to grow – up 5.2% (about 1,800 jobs) at year-end 2020 when compared to year-earlier levels,

- Total population in Idaho has increased at a robust pace since 2010. Through 2019 the US Census Bureau estimates that Idaho's population increased by 219,500 (14.0% - a annual average increase of 2.0% per year over the 2010 to 2019 period). These increases are overwhelmingly due to a robust in-migration to Idaho. A 2.0% annual average rate of population growth, minus a natural population growth rate of 0.42% per year, leaves an annual average population increase of 1.58% per year (about 28,000 persons per year) due to in-migration.

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Idaho Economics Winter 2020 Economic Forecast

• **The COVID-19 Pandemic & Idaho's Economic & Population Growth:**

- The COVID – 19 pandemic has not yet slowed Idaho's population growth. The latest US Census Bureau estimate of Idaho's 2020 population indicates that population in the state increasing by a 2.12% rate (to a total population of 1.826 million) and was ranked as the fastest growing state in the nation during 2020.

- What is origin of Idaho's population in-migration? Statistics indicate that California is the major source of Idaho's current population growth. The latest US Census Bureau estimates of California's 2020 population point to overall population decrease of nearly 70,000 last year. Over the last 5 years the Census Bureau has estimated that nearly 500,000 persons per year have migrated into California while nearly 700,000 California residents have left the state each year. The pandemic has accelerated that pace of out-migration

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Idaho Economics Winter 2020 Economic Forecast

- The Base Case Economic Forecast assumes a relatively quick recovery from the effects of the COVID-19 pandemic and thereafter a return to a more normal amount of economic fluctuation and normal business cycles. The Base Case Economic Forecast is the "best estimate" of future economic activity in the State and it's forty four counties.

- The High Growth Scenario assumes a more rapidly growing economy – a pace that is similar to the rates of growth that Idaho experienced in the 1990s and in the post Great Recession period of 2012 – 2019

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And Then There is Idaho's Population Growth

The Base Case Economic Forecast assumes a normal amount of economic fluctuation and normal business cycles it is the "best estimate" of future economic activity in the State and it's forty four counties.

The High Growth Scenario assumes a more rapidly growing economy -- similar to the growth that Idaho experienced in the 1990s.

The Low Growth Scenario assumes a period of slower economic growth for the State of Idaho with fewer employment opportunities in the future. In turn, slower economic growth will slow the rate of population growth in the state by decreasing population in-migration (or causing a population out-migration) and slowing the rate of future household growth in the state.

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The Economic Forecast

In the 2020 - 2045 Forecast Period Idaho's Economy will experience:

An annual average increase in Nonagricultural employment of 2.5% per year, adding nearly 709,500 jobs to the State's payrolls.

Population growth averaging 2.2% per year over the 2015 - 2045 forecast period with, by the year 2045, the State's population nearing 3,024,600 -- a gain of close to 1,283,000 from 2020 levels. Ada and Canyon counties are projected to attain a total population of 1,291,000 in the year 2045.

Plus, the addition of nearly 388,000 new households in Idaho over the 2020 to 2045 period -- an annual average increase of 2.2% per year over twenty-five year forecast period.

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The Economic Forecast

Nonagricultural employment in Idaho is expected to increase by nearly 709,000 over the 2020 to 2045 forecast period. But some industries will fare better than others:

Agriculture is projected to experience a loss of nearly 12,000 jobs statewide by the year 2045.

The Mining industry is expected to gain a modest 600 additional jobs statewide by the year 2045.

Construction, Mining, and Natural Resources posts annual average employment gains of 1.9% per year, posting a gain of nearly 86,000 in the State by the year 2045.

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The Economic Forecast

Manufacturing employment in Idaho is predicted to increase at an annual average rate of 1.1%per year over the 2020 - 2045 period for an absolute gain of nearly 22,780 jobs from the 2020 employment levels.

The Transportation, Wholesale and Retail Trade, and the Utilities industries are expected to post annual average employment gains of 1.1% per year over the 2020 to 2045 period producing an absolute gain of close to 76,490 new jobs in the State.

Employment in the Finance, Insurance, and Real Estate Industries is expected to decrease by 8,100 over the 2020 - 2045 period -- an annual average decrease of 0.6% per year.

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The Economic Forecast

The Service Industries in Idaho are expected to be the fastest growing in terms of employment growth over the 2020 to 2045 period --

Employment in the Professional and Business Services category is forecasted to increase by 112,630 over the 2020 - 2045 period -- an annual average increase of 3.6% per year.

Education and Health Services employment in the State is forecasted to increase by 168,830 over the 2020 - 2045 period -- an annual average increase of 3.8% per year.

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The Economic Forecast

Idaho employment in the Leisure and Hospitality Industries is forecasted to increase by nearly 64,920 over the 2020 - 2045 period -- an annual average increase of 2.4% per year. Lastly, employment in the category of Other Services is projected to increase by 21,500 over the 2020 - 2045 period -- an annual average increase of 1.6% per year.

In total, Idaho Service Industry Employment is projected to increase by 398,370 over the 2020 to 2045 period -- 56.1% of the overall increase in Non-Ag employment in the State over the forecast period.

Government employment is predicted to increase at an annual average rate of 2.7% per year over the 2020 - 2045 period with a net gain of nearly 110,940 jobs statewide.

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The Economic Forecast

QUESTIONS ?

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RESIDENTIAL & COMMERCIAL CUSTOMER GROWTH

CHERYL IMLACH
MANAGER, ENERGY SERVICES

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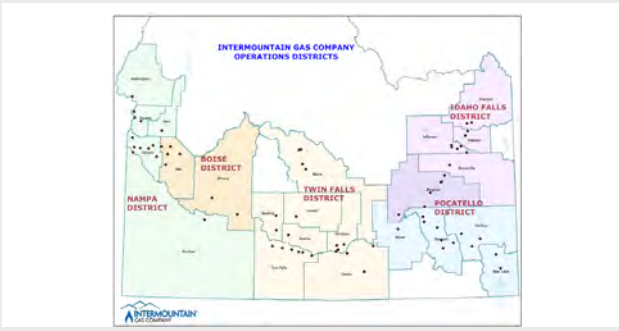

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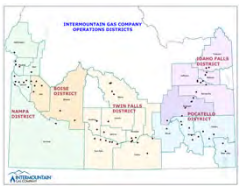
FORECASTING COMPONENTS

- Economic Forecast – State of Idaho
  - Household Growth by County
    - 3 scenarios- High, Low and Base
- Historical Market Share
  - New Homes
  - Conversion customers
  - New Commercial customers
- Community Planning Association (COMPASS) Traffic Analysis Zones (TAZ)
- 'Boots-on-the-Ground' Observations/Feedback



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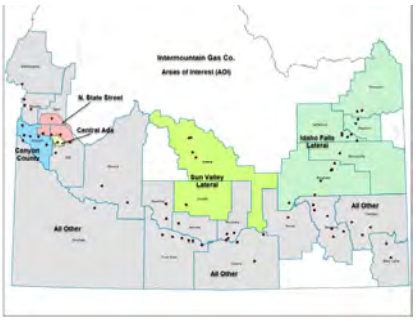

AOI GROWTH RATE

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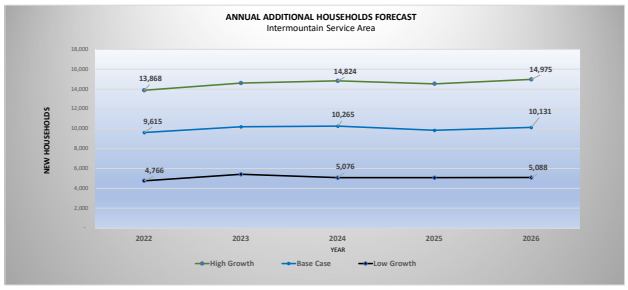
ADDITIONAL HOUSEHOLDS
- ECONOMIC FORECAST



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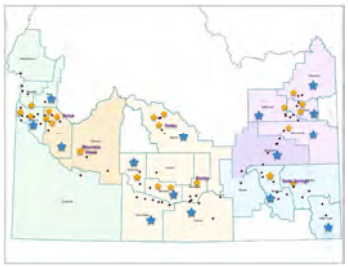
MARKET SHARE OF NEW CONSTRUCTION

- Building Permits issued by County & Jurisdiction
  - 14 Counties
  - 34 Communities
  - 2016-2020
- Permits v. Installed (by address)

District	Permits	Installed	Rate
Boise	21,343	20,944	98%
Idaho Falls	5,315	3,511	66%
Nampa	9,617	8,571	89%
Pocatello	1,741	1,163	67%
Twin Falls	3,468	2,514	73%



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EXISTING RESIDENTIAL CONVERSIONS

Conversion Rate

Region	3 year	10 year	15 year
West	4.89%	7.49%	7.12%
Central	11.80%	19.36%	18.23%
East	14.64%	20.09%	17.47%
Company	7.17%	10.98%	10.44%

$$= \frac{\text{Total annual conversion customers}}{\text{Total annual residential sales}}$$

SMALL COMMERCIAL ACQUISTION RATE

$$\frac{\text{Total annual new commercial customers}}{\text{Total annual residential sales}} =$$

Commercial Rate

Region	3 year	10 year	15 year
West	3.68%	4.82%	6.28%
Central	7.45%	9.54%	10.11%
East	8.94%	10.13%	11.23%
Company	4.97%	6.27%	7.71%

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Sample Calculation

Twin Falls District

County	Total Households 2021	2022	2022 Growth
Blaine	10,126	10,303	177
Cassia	9,116	9,173	57
Gooding	6,293	6,327	34
Jerome	7,553	7,692	140
Lincoln	1,048	1,109	61
Minidoka	10,108	10,111	3
Twin Falls	24,420	25,139	720
	70,685	71,876	1,191

Market Share	73%	869	
Conversion	11.8%	103	=972
Commercial	7.45%	65	
Initial Forecast		**1,037**	

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BASE CASE- GROWTH FORECAST

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	2022	2023	2024	2025	2026
Nampa	4,077	4,103	3,921	3,177	3,306
Boise	4,626	4,727	4,791	5,183	5,105
Twin Falls	972	859	944	1,039	953
Pocatello	463	383	886	728	864
Idaho Falls	1,136	1,174	1,178	1,162	1,195
RS Total	11,274	11,246	11,720	11,288	11,423

ANNUAL COMMERCIAL GROWTH - by District

	2022	2023	2024	2025	2026
Nampa	55	56	57	34	42
Boise	148	166	168	182	179
Twin Falls	65	64	63	69	63
Pocatello	67	69	69	57	67
Idaho Falls	89	92	92	91	93
GS Total	424	446	449	433	446

TOTAL GROWTH FORECAST - by District

	2022	2023	2024	2025	2026
Nampa	4,132	4,159	3,978	3,211	3,348
Boise	4,775	4,892	4,960	5,364	5,284
Twin Falls	1,037	923	1,007	1,108	1,016
Pocatello	530	452	955	785	932
Idaho Falls	1,225	1,265	1,270	1,253	1,289
Total	**11,698**	**11,692**	**12,169**	**11,721**	**11,869**

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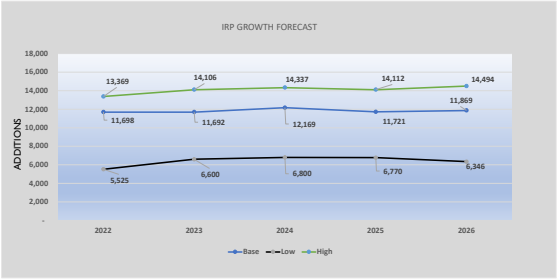
2021 IRP GROWTH FORECAST



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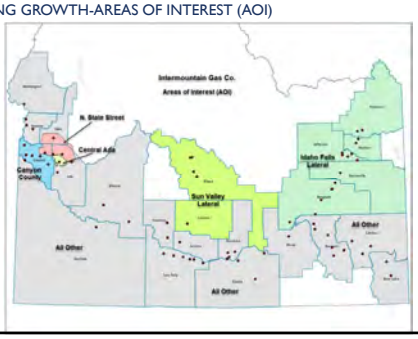
FORECASTING GROWTH-AREAS OF INTEREST (AOI)



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Re-allocation of County Growth

Twin Falls District

County	Total Households 2021	2022	2022 Growth
Blaine	10,126	10,303	177
Cassia	9,116	9,173	57
Gooding	6,293	6,327	34
Jerome	7,553	7,692	140
Lincoln	1,048	1,109	61
Minidoka	10,108	10,111	3
Twin Falls	24,420	25,139	720
	70,685	71,876	1,191

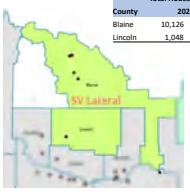
Market Share	73%	869	
Conversion	11.8%	103	972
Commerical	7.45%	65	
		1,037	

AOI

Sun Valley Lateral

County	Total Households 2021	2022		2022 Growth
Blaine	10,126	10,303	-	177
Lincoln	1,048	1,109	-	61
				238

Market Share	73%	173	
Conversion	12%	20	194
Commerical	7%	13	
		207	



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GROWTH FORECAST BY DISTRICT AND AOI

TOTAL GROWTH FORECAST - by District

	2022	2023	2024	2025	2026
Nampa	4,152	4,194	4,008	3,551	3,388
Boise	4,755	4,857	3,930	3,824	3,744
Twin Falls	1,037	923	1,007	1,108	1,016
Pocatello	530	452	955	785	932
Idaho Falls	1,225	1,265	1,270	1,253	1,289
Total	11,698	11,692	11,169	10,521	10,369

TOTAL GROWTH FORECAST - by AOI

	2022	2023	2024	2025	2026
Canyon Cnty	2,246	2,280	2,234	2,095	1,890
Sun Valley	207	211	215	161	202
IF Lateral	1,388	1,434	1,435	1,411	1,453
N of State St	1,914	1,979	2,047	2,116	2,188
Central Ada Mi	1,036	1,028	1,046	1,065	1,084
All Other	4,908	4,760	4,192	3,674	3,552
Total	11,698	11,692	11,169	10,521	10,369

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N. OF STATE & CENTRAL ADA AREAS OF INTEREST

COMPASS COMMUNITY PLANNING ASSOCIATION of Southwest Idaho

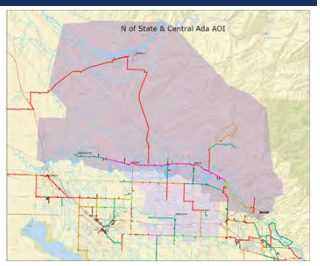
GIS Shape File of AOI's

Traffic Analysis Zones (TAZ)

TAZ Growth Factor per AOI

Current IGC Customer Count per AOI

Apply Annual TAZ Growth to IGC Customer Count



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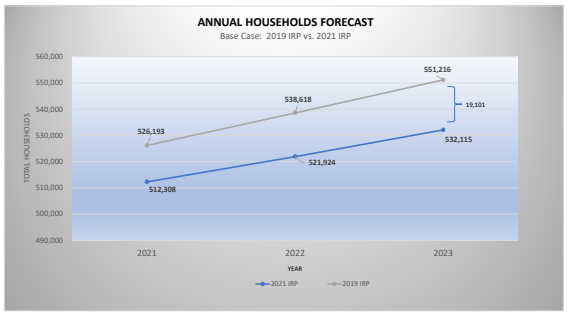

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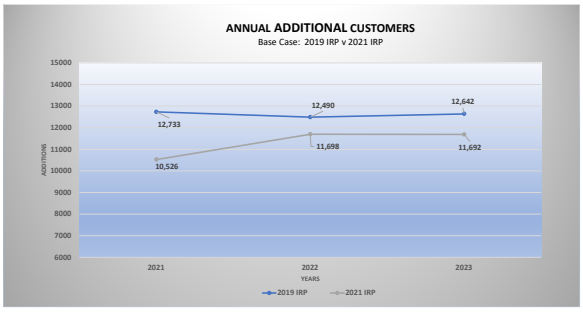

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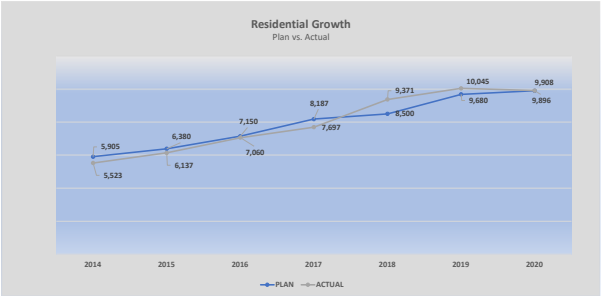

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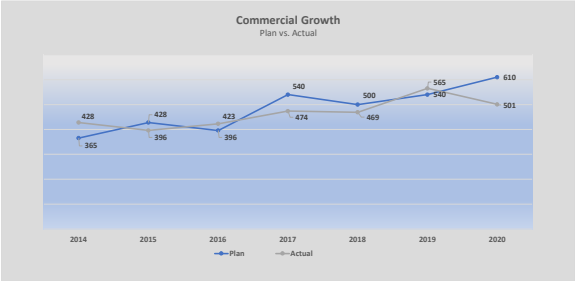

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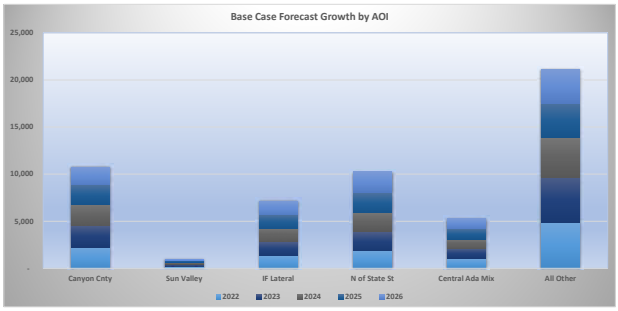

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QUESTIONS?

53

HEATING DEGREE DAYS & DESIGN WEATHER

LANDON BARBER
REGULATORY ANALYST

54

WEATHER

- Weather is a Key Residential & Commercial Demand Driver
- Heating Degree Days are Used to Capture Weather Effects
- Two Primary Weather Scenarios are Used in the IRP:
  - Normal HDD
  - Design HDD

55

HEATING DEGREE DAY (HDD)

- What is a Heating Degree Day?
- Industry-Wide Standard Measuring Degrees Below a Set Base Temperature
- Base of 65 Degrees is Most Common

March 2nd, 2021 - Boise Example:

Daily High: 56 Degrees °F
Daily Low: 30 Degrees °F
Mean: 43 Degrees °F
65 Degrees – 43 Degrees = 22 HDD

56

NORMAL HEATING DEGREE DAYS

- Benchmark for the IRP
- Used for Routine Planning and Represent the Typical or "Normal" Weather Expected on a Given Day
- 30-Year Rolling Average of Daily Mean Temperatures
- Normal for the IRP is the 30-Years Ended December 2020

57

NORMAL HEATING DEGREE DAYS

58

DESIGN DEGREE DAYS

- Design Degree Days Model the Coldest Temperatures that Could Feasibly Occur on Intermountain's System
- Created by Modeling Design Peak Day, then Modeling the Surrounding Week, Month, and Year

59

DESIGN PEAK DAY

- Design Peak Day is the Absolute Coldest Day Planned for in the Design Year
- Engaged Idaho State Climatologist, Dr. Russell Qualls, to Conduct a Peak Day Study
- Study Produced a Range of Peak Days for Various Probability Assumptions
- 50-Year Peak-Day Event was Selected (78 HDD)
- Peak Day is Modeled to Occur on Jan 15th of the Design Year

60

PEAK 5-DAY DESIGN

- The Days Surrounding the Peak Day are Modeled After the Coldest Recorded Consecutive 5-Days in a 50 Year Period.
- Peak Day is Assumed to be the Second Day in the 5-Day Period.

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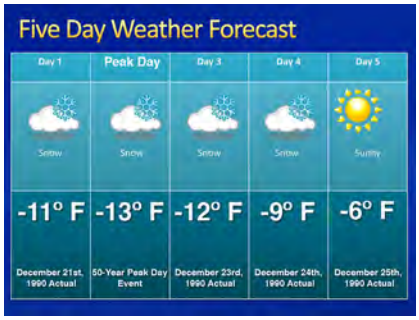
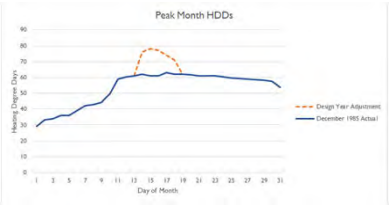


PEAK 5-DAY DESIGN

62

PEAK MONTH DESIGN

- The Days Surrounding the Peak 5-Day Period are Modeled After the Coldest Calendar Month in the last 50 Years
- The Current Peak Month is December 1985
- This Month Forms the Basis for January Design Weather



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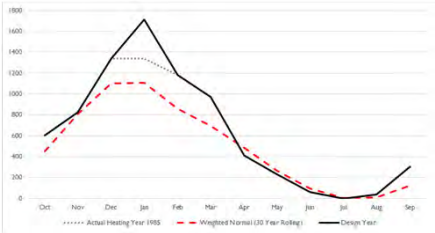
DESIGNING THE REST OF THE YEAR

- The Rest of the Year is Modeled After the Coldest Heating Year in a 50 Year Record
- Oct 1984 – Sep 1985 Continues to be the Coldest
- This Period Also Included the Coldest Critical Three Month Heating Period (Dec-Feb)

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

64

DEGREE DAY GRAPH



65

AOI DEGREE DAYS

- Intermountain's service area is climatologically diverse
- Idaho Falls or Sun Valley vs. Boise
- Intermountain has developed unique Degree Days for each AOI
- Methods used to calculate AOI Degree Days mirror the Total Company approach

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AOI DEGREE DAYS

Weather Stations West to East:

- KBOI
- KEUL
- KTWF
- KSUN
- KPIH
- KIDA
- KRXE

67

QUESTIONS?

68

2021 IRP
LARGE VOLUME CUSTOMER FORECAST

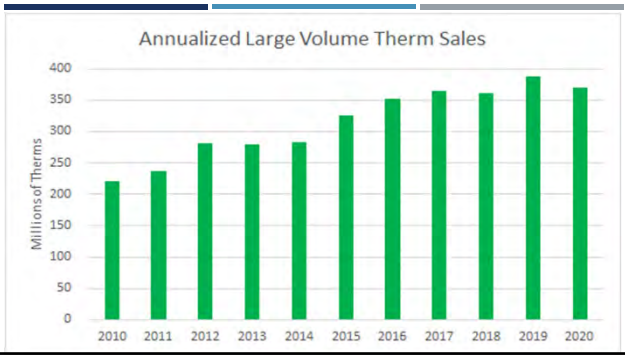
DAVID SWENSON
MANAGER, INDUSTRIAL SERVICES

69

WHAT IS A LARGE VOLUME CUSTOMER?

- 139 largest customers; approximately 49% of 2020 sales
- Mix of "Industrial" and "Commercial" types
- As a group exhibit fairly high load factor
- Provide thousands of Idaho jobs; huge impact on economy

70



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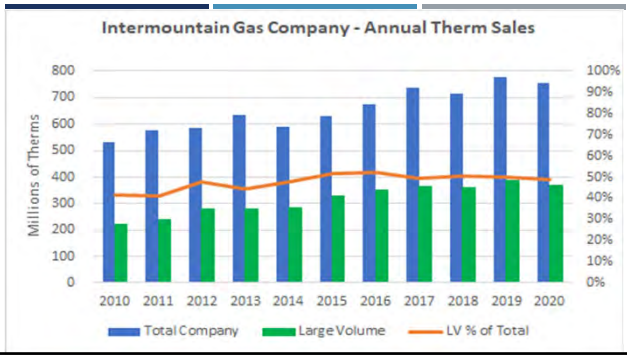

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REQUIREMENTS OF A LARGE VOLUME CUSTOMER

- Minimum 200,000 Therms per contract-year requirement
- Must elect 1 of 3 tariffs:
  - LV-1 bundled sales
  - T-3 interruptible transporation or T-4 firm transportation
- Minimum one-year contract; the contract sets the term and Maximum Daily Firm Quantity (MDFQ) for firm peak day use
- Contracts are site specific; can combine meters on contiguous property

73

CLASSIFICATION OF CURRENT 139 LV CUSTOMERS

By Rate Class:	# of	Percent of Total # of	Therms
LV-1 Sales –	29	21%	3%
T-3 Interruptible Transport –	8	6%	17%
T-4 Firm Transport –	102	73%	80%
Total –	139	100%	100%

74

SEGMENTATION OF 139 LARGE VOLUME CUSTOMERS

By Market "Segment"	#	%	Therms%
Potato Processors –	19	14%	30%
Other Food Processors –	18	13%	29%
Meat & Dairy –	22	16%	13%
Ag & Feed –	6	4%	1%
Chemical/Fertilizer –	3	2%	9%
Manufacturing –	30	22%	6%
Institutional –	31	22%	7%
Other –	10	7%	5%
Total –	139	100%	100%

75

LOCATION OF 139 LARGE VOLUME CUSTOMERS (BC)

By AOI:	#	%	Therms%
IFL –	25	18%	20%
SVL –	4	3%	1%
Central Ada –	2	1%	1%
State Street –	3	2%	1%
Canyon County –	21	15%	15%
All Other –	84	61%	62%
Total –	139	100%	100%

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OVERVIEW OF FORECAST TECHNIQUE

- Most not as weather sensitive as the Core Market
- Small population (not as many customers)
- Not as homogenous as Core (size, weather sensitivity)
- Don't use statistics/regression techniques
- Use an "adjusted" historical usage approach
- Forecast both Therm use and CD (MDFQ/MDQ)

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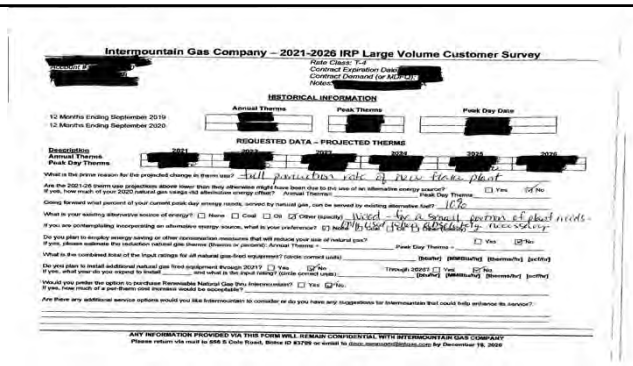
SURVEY SAYS...

- Sent out 139 surveys in November 2020
- Provided last two years of actual annual usage, Peak Day usage and date where available
- Also requested other information from plant contacts or other external information
  - Growth plans, conservation, energy efficiency, other data relating to changes in usage, interest in RNG, comments/suggestions
- 45 were returned

78



Intermountain Gas Company – 2021-2026 IRP Large Volume Customer Survey

[redacted]

Rate Class: T-4
Contract Expiration Date: [redacted]
Contract Demand (or MDQ): [redacted]
Notes: [redacted]

HISTORICAL INFORMATION

	Annual Therms	Peak Therms	Peak Day Date
12 Months Ending September 2019	[redacted]	[redacted]	[redacted]
12 Months Ending September 2020	[redacted]	[redacted]	[redacted]

REQUESTED DATA – PROJECTED THERMS

Description	2021	2022	2023	2024	2025	2026
Annual Therms	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Peak Day Therms	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

What is the prime reason for the projected change in therm use? Full production rate of new Heinz plant

Are the 2021-26 therm use projections above lower than they otherwise might have been due to the use of an alternative energy source? ☐ Yes ☑ No
If yes, how much of your 2020 natural gas usage did alternative energy offset? Annual Therms: _____ Peak Day Therms: _____

Going forward what percent of your current peak day energy needs, served by natural gas, can be served by existing alternative fuel? 10%

What is your existing alternative source of energy? ☐ None ☐ Coal ☐ Oil ☑ Other (specify) Used - for a small portion of plant needs.
If you are contemplating incorporating an alternative energy source, what is your preference? ☐ [illegible] ☐ [illegible] [illegible] necessary

Do you plan to employ energy saving or other conservation measures that will reduce your use of natural gas? ☐ Yes ☑ No
If yes, please estimate the reduction natural gas therms (therms or percent): Annual Therms = _____ Peak Day Therms = _____

What is the combined total of the input ratings for all natural gas-fired equipment? (circle correct units) _____ [btu/hr] [MMBtu/hr] [therms/hr] [cc/hr]

Do you plan to install additional natural gas fired equipment through 2021? ☐ Yes ☑ No Through 2026? ☐ Yes ☑ No
If yes, what year do you expect to install _____ and what is the input rating? (circle correct units) _____ [btu/hr] [MMBtu/hr] [therms/hr] [cc/hr]

Would you prefer the option to purchase Renewable Natural Gas thru Intermountain? ☐ Yes ☑ No
If yes, how much of a per-therm cost increase would be acceptable? _____

Are there any additional service options would you like Intermountain to consider or do you have any suggestions for Intermountain that could help enhance its service?

ANY INFORMATION PROVIDED VIA THIS FORM WILL REMAIN CONFIDENTIAL WITH INTERMOUNTAIN GAS COMPANY
Please return via mail to 555 S Cole Road, Boise ID 83709 or email to [illegible] by December 18, 2020

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APPLICATION OF FORECAST TECHNIQUE

- Adjusted historical data with survey information and other data (e.g. EDO's) to develop three forecasts
- Assumed growth by specific customers *except for* Institutional Segment as they are more weather sensitive
- Adjusted weather sensitive customer group by ±10% for High Growth and Low Growth scenarios

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ADJUSTMENTS TO HISTORICAL – 3 SCENARIOS

- Base Case, High Growth, Low Growth
- Used recent trends to validate results

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SENDOUT STATISTICS

2020 SENDOUT VS PLAN (MMBtu's)

Core		Large Volume		Total Sendout	
Month to Date Plan	6,842,614	Month to Date Plan	3,610,446	Month to Date Plan	10,453,060
Month to Date Actual	7,008,362	Month to Date Actual	3,417,067	Month to Date Actual	10,425,429
MTD Over(Under) Plan	165,748	MTD Over(Under) Plan	(193,379)	MTD Over(Under) Plan	(27,631)
MTD Over(Under) Plan %	2.42%	MTD Over(Under) Plan %	(5.36)%	MTD Over(Under) Plan %	(0.26)%
Quarter to Date Plan	14,788,273	Quarter to Date Plan	10,547,738	Quarter to Date Plan	25,336,011
Quarter to Date Actual	14,977,513	Quarter to Date Actual	9,885,550	Quarter to Date Actual	24,863,063
QTD Over(Under) Plan	209,240	QTD Over(Under) Plan	(662,188)	QTD Over(Under) Plan	(452,948)
QTD Over(Under) Plan %	1.41%	QTD Over(Under) Plan %	(6.28)%	QTD Over(Under) Plan %	(15.83)%
Year to Date Plan	39,813,069	Year to Date Plan	36,419,611	Year to Date Plan	76,232,680
Year to Date Actual	40,075,486	Year to Date Actual	34,212,097	Year to Date Actual	74,287,583
YTD Over(Under) Plan	262,417	YTD Over(Under) Plan	(2,207,214)	YTD Over(Under) Plan	(1,945,097)
YTD Over(Under) Plan %	0.66%	YTD Over(Under) Plan %	(6.06)%	YTD Over(Under) Plan %	(2.55)%

82

BASE CASE SCENARIO ASSUMPTIONS

- Starts with historical actuals
- Adjust for survey information and trends
- Natural gas prices competitive with other energy sources
- Economy comes out of the pandemic with strong growth
- Includes 7 new customers
- Mix of segments; 4 T-4, 2 LV-1 and 1 T-3; most are "All Other" in Magic Valley
- Annualized growth rate of 1.1%

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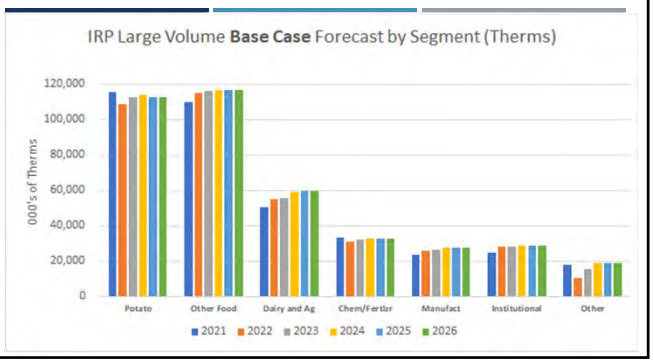

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HIGH GROWTH SCENARIO ASSUMPTIONS

- Starts with Base Case Forecast
- Natural gas prices remain comparatively low
- Economy comes out of the pandemic with rebound growth
- Assumes 10 new customers totaling 8.6 million Therms by 2026
- Additions mostly T-4 (6); 4 Meat & Dairy and 4 Other Food Processing; most growth in All Other
- Annualized growth rate of 1.8%

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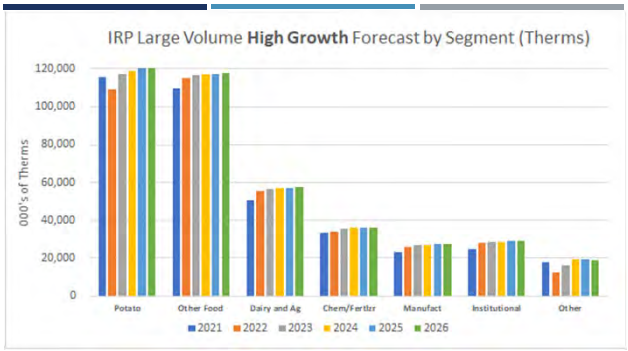

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LOW GROWTH SCENARIO ASSUMPTIONS

- Starts with Base Case Forecast
- Assume gas prices are less competitive; weather 10% warmer
- Economy slows; pandemic continues to affect gas usage
- Removed any customer having difficulty staying above the 200,000 Therm annual minimum
- Two new T-4 customers; 1 Meat & Dairy and 1 Other Food
- Annualized growth rate of -0.4%

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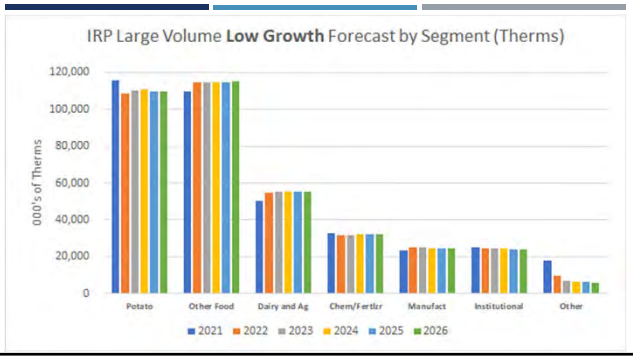

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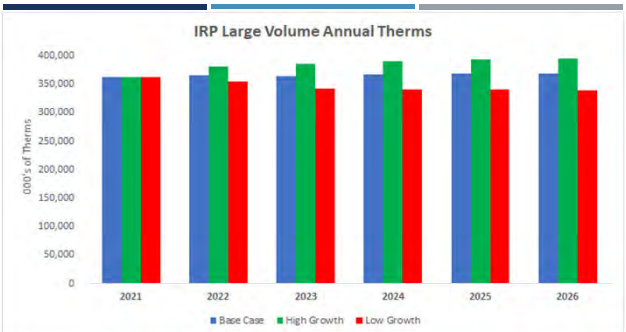

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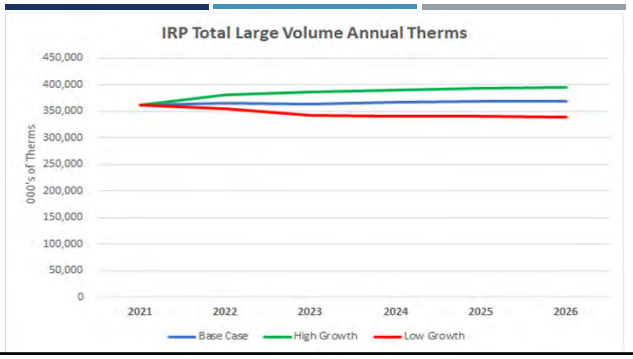

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OPTIMIZATION MODELING - MDFQ VS THERM FORECAST

- Use MDFQ not therm forecast in optimization model
- Contract includes Maximum Daily Firm Quantity (MDFQ)
- Intermountain provides MDFQ 365 day/year; gas supply
- MDFQ trends therm projections
- Only firm customers in design peak; no interruptible
- Includes new customer additions
- Total LV Base Case MDFQ compound growth rate of 0.3%

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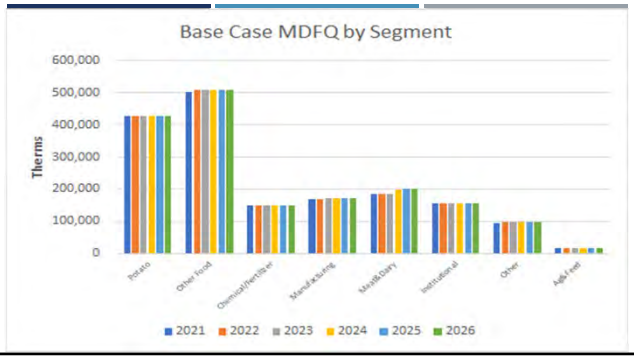

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QUESTIONS?

93

ADDITIONAL MEETINGS

- **May 17, 2021 via Microsoft Teams**
  - Usage Per Customer
  - Energy Efficiency
  - Supply Resources
- **July 26, 2021 via Microsoft Teams**
  - Non-Traditional Resources
  - Load Duration Curves
  - Enhancements and Optimization

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FEEDBACK SUBMISSIONS

- IRP.Comments@intgas.com
- Please provide comments and feedback within 10 days

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Intermountain Gas Company

May 20, 2021 IGRAC Committee Meeting Slides

Integrated Resource Plan 2021 – 2026

Exhibit No. 1
Section C

May 18, 2021

Good Afternoon,

This is a friendly reminder that Intermountain Gas Company will be hosting its second Resource Advisory Committee Meeting this Thursday May 20th from 1-4 pm via Microsoft Teams (please see the links at the bottom of the email below for joining the meeting).

Here is the agenda for Thursday's meeting:

- **Welcome & Introductions** – Lori Blattner (*Director, Regulatory Affairs)*
- **Safety Moment** – Mark Sellers-Vaughn (*Manager, Supply Resource Planning)*
- **Usage per Customer** – Linda Offerdahl *(Engineer II)*
- **Avoided Cost Methodology –** Landon Barber *(Regulatory Analyst)*
- **Energy Efficiency** – Kathy Wold *(Manager, Energy Efficiency)*
- **Guest Speaker – Renewable Natural Gas**
  Dan Kirschner, *Executive Director Northwest Gas Association*
- **Supply Resources & Price Forecast –** *Brian Robertson (Supervisor, Resource Planning)*
- **Questions/Discussion**

I also wanted to provide you the topics we will be discussing in the July 26th meeting:

- Non-Traditional Resources
- Load Demand Curves
- Optimization and Enhancements
- Distribution System Upgrades

We look forward to interacting with you on Thursday. Please let me know if you have any questions.

Thank you for participating,

Jacob Darrington, CPA
Manager, Regulatory Affairs
Intermountain Gas Company
Office: (208) 377-6041
Jacob.Darrington@intgas.com

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811 Know what's below. Call before you dig.

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INTEGRATED RESOURCE PLAN

MAY 20, 2021
INTERMOUNTAIN GAS RESOURCE ADVISORY COMMITTEE (IGRAC)

1

WELCOME

- Introductions
- Feedback Process
- Agenda

2

AGENDA

- **Welcome & Introductions** – Lori Blattner *(Director, Regulatory Affairs)*
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- **Usage per Customer** – Linda Offerdahl *(Engineer II)*
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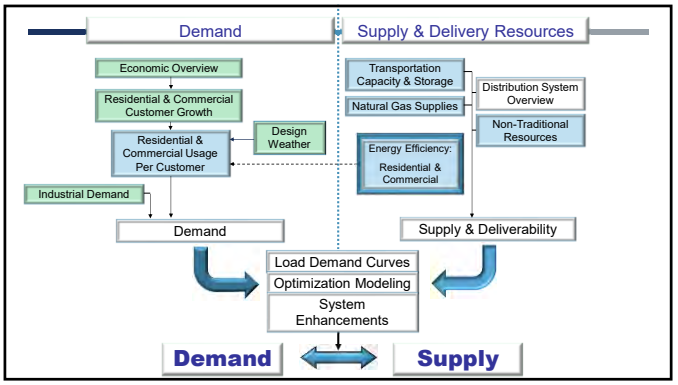
  Dan Kirschner, *Executive Director Northwest Gas Association*
- **Supply Resources and Transportation & Storage Resources**
  – *Brian Robertson (Supervisor, Resource Planning)*
- **Questions/Discussion**

3



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SAFETY MOMENT

- **Telecommuting tips!**
  - **Maintain proper posture**
    - Your chair allows you to sit with the proper posture. This helps reduce back pain or other physical discomforts. Maintaining proper posture throughout the day will help alleviate any discomfort.
  - **Lighting is important**
    - Make certain that you have sufficient lighting for reading and working. Don't strain your eyes!
  - **Stand up periodically**
    - Use phone calls as an opportunity to stand up and walk around.
    - Trade your commute time for a morning or evening walk.

5

AREAS OF INTEREST (AOI)

- Distribution System Segments:
  - Canyon County
  - Central Ada County Lateral
  - "North of State Street" Lateral
  - Sun Valley Lateral
  - Idaho Falls Lateral
  - All Other Customers

6

DESIGN RESIDENTIAL AND COMMERCIAL USAGE PER CUSTOMER

LINDA OFFERDAHL
ENGINEER

7

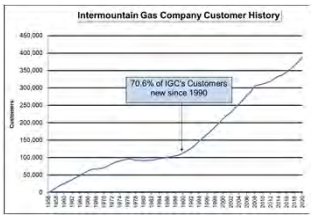
CUSTOMER USAGE TRENDS

- Nationally, Customers Use Less Natural Gas Now Compared to Decades Ago
- Energy Efficient Building Codes
- More Efficient Furnaces and Water Heaters
- Increased Use of Programmable Thermostats

8

CUSTOMER USAGE TRENDS – IMPACT ON INTERMOUNTAIN'S CUSTOMER BASE

- Conservation Influences Began Impacting Usage in the Early 1990's
- 70% of Intermountain's Customers are New Since 1990



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USAGE PER CUSTOMER MODELING METHODOLOGY

- Customer Management Module (CMM)
  - Product from DNV GL
  - Now Fully Implemented into IRP Process
  - Part of the Synergi Gas Product Line

10

CMM METHODOLOGY

CMM Uses Historical Billing and Weather Data to Create a Unique Usage Analysis for Each Customer

Area Specific Heating Degree Days are Applied to the Usage Analysis

The Customer Usages are Assigned to the Appropriate Pipeline within Intermountain's Synergi Distribution System Model

11

USAGE PER CUSTOMER BY AOI

- Apply HDD for Each AOI Based on Weather Study
- Allows for a Unique Customer Usage Calculation Based on Geographic Location
  - Canyon County: Identified Customers by Town, Created Single Usage
  - Central Ada & State Street: Grouped AOI's Together as a Similar Customer Base
  - Sun Valley Lateral: Variable Usage by Town
  - Idaho Falls Lateral: Variable Usage by Town

12

USAGE PER CUSTOMER VALIDATION

- Using a Sample IGC Customer Data Set on a Peak HDD
- Comparing CMM Results to Actual Usage from AMI Data
- Analysis of Results to Validate Usage Per Customer Methodology

13

QUESTIONS?

14

AVOIDED COST METHODOLOGY

LANDON BARBER
REGULATORY ANALYST

15

A BRIEF HISTORY

- INT-G-19-04, Order No. 34536 directed the Company to review its avoided cost calculations.
- In early 2020, Intermountain invited interested members of the Energy Efficiency Stakeholder Committee (EESC) to join an Avoided Cost Subcommittee.
  - Met three times between February and June 2020
  - The Subcommittee came to an understanding on the general Avoided Cost methodology
  - The Subcommittee will reconvene to revisit distribution component after 2021 IRP data is available

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AVOIDED COST OVERVIEW

"A Penny Saved is a Penny Earned."

- The *Avoided Cost* is used to put a dollar value to energy savings.
- This allows utilities to spot opportunities where energy efficiency is more cost effective than a supply-side option.

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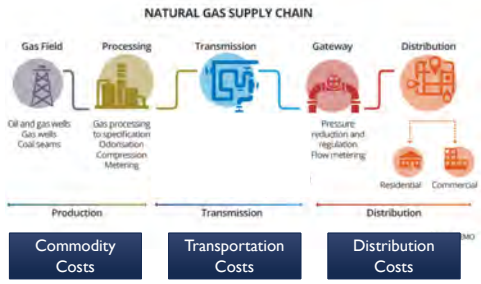

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FORMULA

$$AC_{Nominal} = CC + TC + VDC$$

- $AC_{Nominal}$ = Nominal Avoided Cost Per Therm
- CC = Commodity Cost
- TC = Transportation Cost
- VDC = Variable Distribution Cost

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COMMODITY COST CALCULATION

- The price of a molecule of gas depends on the basin, the time of year, and even the day of the week.
- Calculation starts with internal 30-year price forecasts for three primary basins.
  - Basins prices are weighted based on company Day Gas purchase data.
  - Normal Heating Degree Days (HDD65) are used to shape monthly prices.

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TRANSPORTATION COST CALCULATION

- Includes the cost of reserving additional capacity on the Northwest Pipeline.
  - Based on costs & volumes listed in latest tariffs for RS and GS-1 customers.
- Also contains variable costs associated with transporting gas to city gate.

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DISTRIBUTION COST CALCULATION

- Energy efficiency can lead to delaying or even avoiding costly pipeline capacity expansions.
- Large expansions occur irregularly, making it difficult to quantify this type of saving.
- The Company will reconvene with the Avoided Cost Subcommittee once distribution system data from this IRP is available.
  - Currently, the calculation contains a placeholder value of $0.00 for this cost component.

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2021 IRP UPDATES

- Updated Basin price forecast.
- Updated HDD Shaping to use 2020 Normal weather.
- Added new year of Day Gas purchase data.
- Updated transportation cost with latest PGA tariff.

Levelized Avoided Cost By Year
Discounted 2020 $ / Therm

YEAR	UPDATED COST	PREVIOUS COST
2020	$ 0.46	$ 0.48
2021	$ 0.48	$ 0.47
2022	$ 0.50	$ 0.46
2023	$ 0.50	$ 0.45
2024	$ 0.50	$ 0.45
2025	$ 0.50	$ 0.45
2026	$ 0.50	$ 0.45
2027	$ 0.51	$ 0.45
2028	$ 0.51	$ 0.45
2029	$ 0.51	$ 0.45
2030	$ 0.51	$ 0.45

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QUESTIONS?

24

Energy Efficiency

ENERGY EFFICIENCY RESULTS

KATHY WOLD
MANAGER, ENERGY EFFICIENCY

25

- Why should you CARE about natural gas?
- You want customers to use less?
- *Potentially* how much less? Conservation **Potential** Assessment

26

Why should you CARE about natural gas?

C Clean
A Affordable
R Resilient
E Efficient

27

Natural Gas is clean

- Natural gas produces 50% less CO2 than other fossil fuels – *International Gas Union*
- Carbon emissions from the average natural gas home decline 1.2 percent per year – *AGA 2021 Playbook*

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Natural Gas is affordable

- Households that use natural gas for heating, cooking and clothes drying save an average of $879 per year compared to homes using electricity for those applications.
  ** American Gas Association 2021 Playbook*

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Natural Gas is Resilient

- Pipeline infrastructure is underground, shielded from many disruptive events
- Much of the gas delivery system runs on its own supply
- The ability to store gas further strengthens the self-reliant attributes of the gas system

–AGA 2021 Playbook

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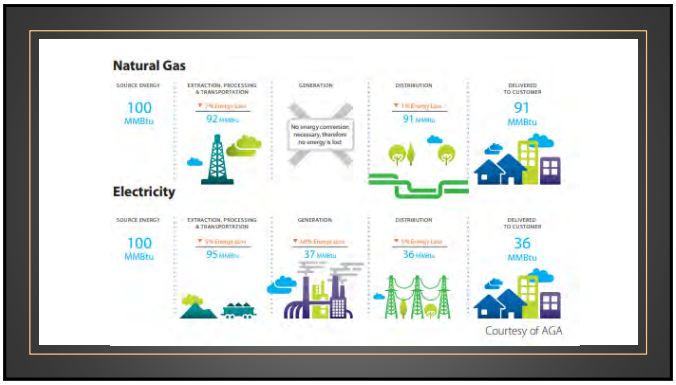

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- http://playbook.aga.org/

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WAIT….YOU JUST TOLD US ABOUT ALL THIS NATURAL GAS GOODNESS AND NOW YOU WANT US TO USE LESS? YES!

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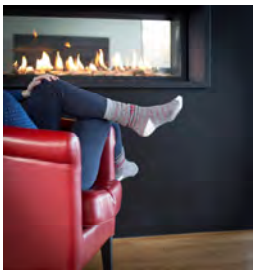
Energy Efficiency

Demand Side Management (DSM) refers to resources acquired through the reduction of natural gas consumption due to increases in efficiency of energy use.



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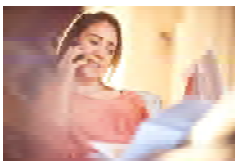
DSM: Resources acquired through the reduction of consumption due to energy efficiency

Option A:
Purchase MMBtu from Supplier A
$$$$

Option B:
Energy Efficiency Program
Therm savings (MMbtu)
$$



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Conservation Potential Assessment

dunsky ENERGY CONSULTING

FRONTIER energy

gti

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CPA: CONSERVATION POTENTIAL ASSESSMENT WHAT IS IT?

- Comprehensive analysis of all viable conservation/EE measures and total savings that could be achieved
- Determines the most cost-effective energy efficiency measures
- A tool for EE program planning
- Provides energy savings inputs into the IRP

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- **How can a potential study be used?**
  - **Resource planning:** Evaluate the impact of Energy Efficiency, Fuel Switching and Codes & Standards on long-term energy consumption and demand needs
  - **Identify opportunities:** Assess achievable DSM opportunities to improve DSM program planning and help meet long-term savings objectives, and determine which sectors, end-uses and measures hold the most potential
  - **Efficiency program planning:** Inform portfolio and program design considering funding level, market readiness and other constraints
- **How should a potential study *not* be used?**
  - Potential studies are *not* intended to give granular information about measures in specific segments, but rather give a macro view of efficiency potential in a jurisdiction
  - Potential studies are *not* meant to accurately forecast savings achieved through current programs in a given future year, but rather quantify the total potential savings that exist under specific program parameters

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STUDY OVERVIEW

POTENTIAL ASSESSMENT

- **Purpose:** Provide a realistic, high-level, assessment of the long-term energy efficiency potential that is technically feasible, cost-effective, and achievable through efficiency programs

Technical: Theoretical maximum savings opportunity, ignoring constraints such as cost-effectiveness and market barriers.

Economic: Applies economic considerations to technical potential, leaving only measures that are cost-effective. Screened on the Utility Cost Test (UCT).

Achievable: Applies market barriers to economic potential, resulting in an estimate of savings that can be achieved through efficiency program. Different scenarios are tested to examine their impacts on savings.

Considering **additional constraints**, utilities may decide to target a subset of the achievable potential for their planned programs.

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Three Scenarios used to assess achievable potential (2020-2039)

LOW

- **Low:** Applies low incentive levels (35% of incremental measure cots), but with no budget constraints and over a broader set of cost-effective measures – unconstrained budget
  - **Key scenario insights:** What level of saving can be achieved with a comprehensive offer, with incentives at the lower range?

BASE

- **Base:** Standard program approaches, incentives increased to 50%, barrier reduction in yr6 – unconstrained budget
  - **Key scenario insights:** How much more savings can be expected with increased incentive levels?

MAX

- **Maximum:** Barrier-reducing program delivery, incentive levels at 65%, unconstrained budget/measures
  - **Key scenario insights:** How would improved program delivery increase savings (e.g. consumer education, contractor training and support, etc.)

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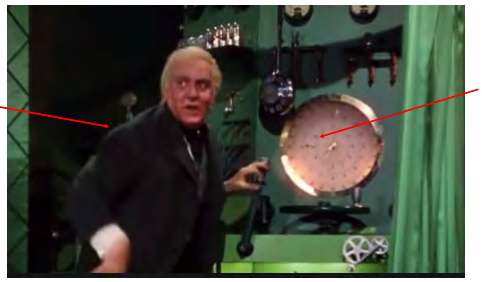

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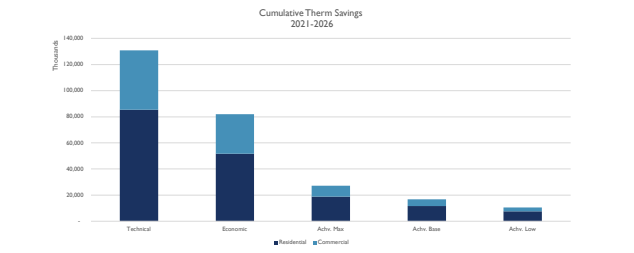

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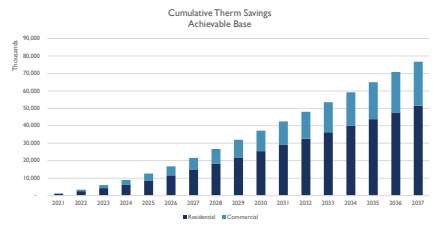

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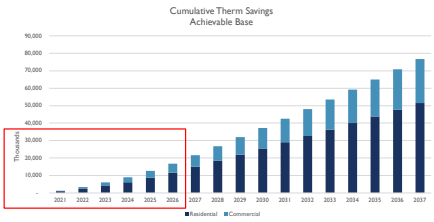

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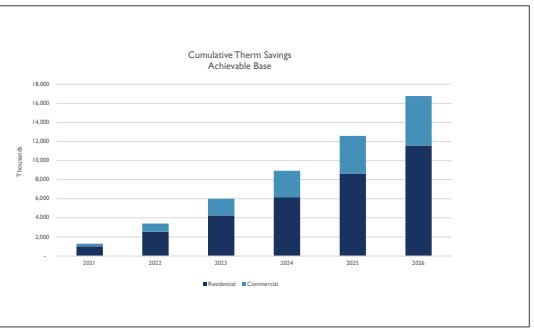

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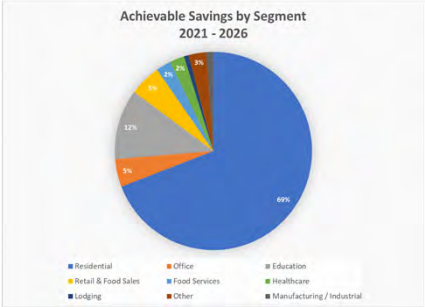

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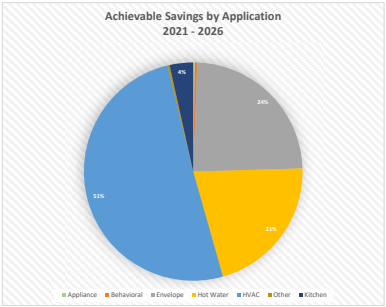

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INTERMOUNTAIN GAS COMPANY | Energy Efficiency

Rebate	Minimum Efficiency	Incentive Amount
Combination Boiler for Space and Water Heat	95% AFUE	$800
Furnace	95% AFUE	$350
Boiler	95% AFUE	$800
Storage Water Heater	.68 UEF	$115
Tankless Water Heater Tier I	.91 UEF	$325
Tankless Water Heater Tier II	.87 UEF	$300
Smart Thermostat Use the ENERGY STAR Smart Thermostat Finder.	ENERGY STAR® Certified	$100

www.intgas.com/saveenergy

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INTERMOUNTAIN GAS COMPANY | Energy Efficiency

WHOLE HOME TIER I – $900

- HERS rated
- Air sealing at or below 3 ACH at 50 Pa
- Ceiling insulation at or above R-49
- Ducts and air handler located inside conditioned space or duct leakage to outside of less than 4 CFM25/100 ft2 CFA
- Furnace efficiency at or above 97% AFUE

WHOLE HOME TIER II – $700

- HERS rated
- Air sealing at or below 4 ACH at 50 Pa
- Ducts and air handler located inside conditioned space or duct leakage to outside of less than 4 CFM25/100 ft2 CFA
- Furnace efficiency at or above 95% AFUE

www.intgas.com/saveenergy

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INTERMOUNTAIN GAS COMPANY | Energy Efficiency

WHOLE HOME TIER I – $900

- HERS rated
- Air sealing at or below 3 ACH at 50 Pa
- Ceiling insulation at or above R-49
- Ducts and air handler located inside conditioned space or duct leakage to outside of less than 4 CFM25/100 ft2 CFA
- Furnace efficiency at or above 97% AFUE

WHOLE HOME TIER II – $700

- HERS rated
- Air sealing at or below 4 ACH at 50 Pa
- Ducts and air handler located inside conditioned space or duct leakage to outside of less than 4 CFM25/100 ft2 CFA
- Furnace efficiency at or above 95% AFUE

NEW OPTION: Stack the savings and stack the cash in your pocket! Layer water heating and/or smart thermostat rebates on top of the Whole Home Tier I or Tier II rebate.

Example 1:

Whole Home Tier I	$900
Tier I Tankless Water Heater	$325
Smart Thermostat	$100
Total Potential Rebate	**$1,325**

Example 2:

Whole Home Tier II	$700
Smart Thermostat	$100
Total Potential Rebate	**$800**

www.intgas.com/saveenergy

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INTERMOUNTAIN GAS COMPANY | Energy Efficiency

Commercial Energy Efficiency

HEATING INCENTIVES

Eligible Appliance	Efficiency Rating	Rebate
Condensing Unit Heater	90% AFUE or Greater Efficiency	$1,500
Boiler Reset Control	N/A	$350
High-Efficiency Condensing Boiler	90% or Greater Thermal Efficiency and ≥300 kBTUh	$4.50/kBTUh

KITCHEN EQUIPMENT INCENTIVES

Eligible Appliance	Efficiency Rating	Rebate
Fryer	ENERGY STAR® Certified	$800
Steamer	ENERGY STAR® Certified (≥38% cooking eff)(≤2,038 BTU/hr(pan Idle Rate)	$1,100
Griddle	ENERGY STAR® Certified (≥38% cooking eff)(≤2,650 BTU/hr(pan Idle Rate)	$200

ENERGY STAR® Commercial Food Service Product Finder

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When we "acquire resources through the reduction of natural gas consumption due to increases in efficiency of energy use,"...you save money and energy!

Turn this:

Into this:

And Money! Did I mention you save money?!

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QUESTIONS?

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BREAK

55

GUEST SPEAKER

DAN KIRSCHNER, EXECUTIVE DIRECTOR
NORTHWEST GAS ASSOCIATION

56

SUPPLY & DELIVERY RESOURCES

BRIAN ROBERTSON
SUPERVISOR, RESOURCE PLANNING

57

GAS SUPPLY PLANNING

- What's the goal? To meet the energy needs and expectations of our customers:
  - Reliability (365 days per year)
  - Security (delivery on the coldest day)
  - Competitive and stable prices
  - Efficiently meet future growth
  - Frequently evaluate the portfolio

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NATURAL GAS SUPPLIES

What are Traditional Supply Resources?

- Natural gas supply; the molecules or "commodity"
- Interstate pipeline capacity
- Storage facility capacity
- Energy Efficiency

What are Non-Traditional Supply Resources?

- Renewable Natural Gas
- Hydrogen

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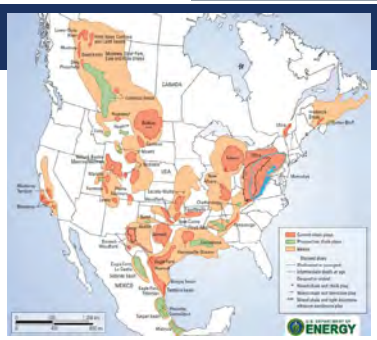
NATURAL GAS SUPPLIES

Where Does "Our" Gas Come From?

- Canadian gas supply (~90%)
  - British Columbia
  - Alberta
- Rockies' gas supply (~10%)
  - Wyoming, Colorado, Utah etc.
- Access to supply somewhat dependent upon available transport capacity

60

- North American gas plays



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NATURAL GAS SUPPLIES

Gas Supply Forecast - Observations

- Robust increase in shale gas production
- Mature basins (WCSB, gulf on & offshore)
- Today: ample supply vs demand

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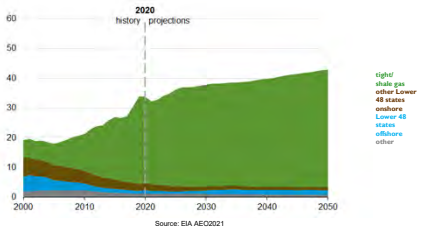
NATURAL GAS PRODUCTION BY SOURCE 2000-2050



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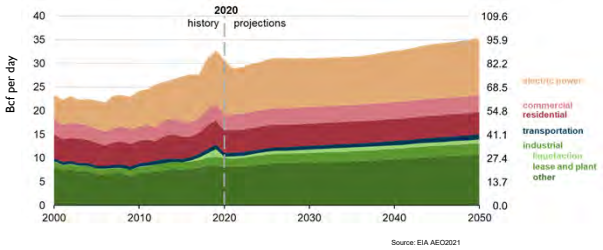
U.S. NATURAL GAS CONSUMPTION BY SECTOR



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NATURAL GAS SUPPLIES

Gas Supply - Pricing

- Natural gas is a commodity and market is liquid
- Price follows supply and demand fundamentals
- Price history & forecast

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HISTORIC GAS PRICES

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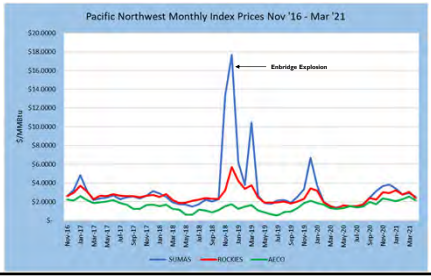
HISTORIC GAS PRICES



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NATURAL GAS SUPPLIES

Intermountain's IRP Price Forecast

- Intermountain's long-term planning price forecast is based on a blend of current market pricing along with long-term fundamental price forecasts.
  - The fundamental forecasts include sources such as Wood Mackenzie, EIA, the Northwest Power and Conservation Council (NWPCC), Bentek and the Financial Forecast Center's long-term price forecasts.
  - Used weighted prices from the sources based on historical performance, beginning in year two of the forecast.
  - While not a guarantee of where the market will ultimately finish, Henry Hub NYMEX is 100% of the forecast for the first year as it is the most current information that provides some direction as to future market prices.
- Intermountain is gathering Renewable Natural Gas information and plans to model RNG as a potential resource in the upstream optimization process.

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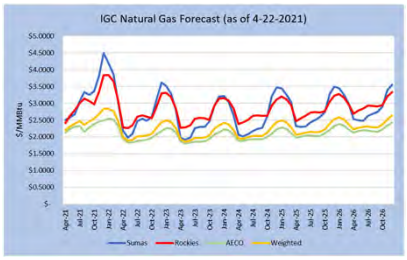
INTERMOUNTAIN'S IRP PRICE FORECAST



Preliminary Weights:
Sumas – 10%
Rockies – 10%
AECO – 80%

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Questions or Comments?

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INTERMOUNTAIN GAS COMPANY
2021-26 INTEGRATED RESOURCE PLAN

INTERSTATE TRANSPORTATION AND STORAGE RESOURCES

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INTERSTATE TRANSPORTATION AND STORAGE RESOURCES

- Intermountain holds firm, long-term contracts for interstate capacity on four (4) pipelines - two U.S. and two Canadian
- All gas directly delivered to Intermountain comes through the Williams Northwest system
- Firm capacity on Northwest is determined at both receipt and delivery points

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INTERSTATE TRANSPORTATION AND STORAGE RESOURCES

Interstate Transportation Capacity – cont.

- Delivery to Intermountain Service Territory
  - Firm Capacity Held Directly by Intermountain
  - City Gate Delivery Direct from Suppliers
- Capacity Segmentation
- Capacity Release and Mitigation for Intermountain
- Market forces drive new capacity projects

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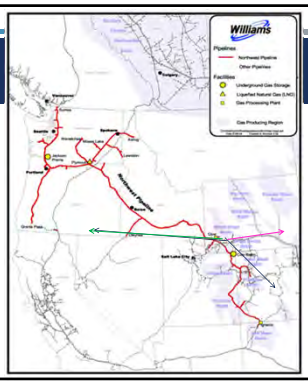
NORTHWEST PIPELINE, GTN, NOVA AND FOOTHILLS



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CAPACITY RESOURCES

Northwest Daily Maximum Transportation Capacity (MMBtu)

	2021	2022	2023	2024	2025	2026
Sumas (3k is winter only)	93,941	93,941	93,941	93,941	90,941	90,941
Stanfield	133,774	133,774	133,774	133,774	133,774	130,624
Rockies	103,328	103,328	94,328	94,328	94,328	50,328
Citygate	10,000	10,000	10,000	10,000	10,000	0
Total Capacity	341,043	341,043	332,043	332,043	329,043	271,893
Storage Withdrawals with Bundled Capacity	185,512	185,512	185,512	185,512	185,512	155,175
Maximum Deliverability	526,555	526,555	517,555	517,555	514,555	427,068

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STORAGE RESOURCES

- What is storage?
  - Natural or man-made structures where natural gas can be injected and stored for later retrieval
  - Gas is normally injected during periods of lower demand and lower prices
  - Gas is usually withdrawn during periods of higher demand and higher prices

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STORAGE RESOURCES

- Why do we need storage?
  - Demand curve is *not* linear
  - Annual supply curve somewhat linear
  - Transport capacity is very linear
  - Not feasible to meet peak demand with only interstate capacity and must-take gas purchases alone
  - Storage enhances winter/peak delivery capability and minimizes costs by balancing flat supply with seasonal demands

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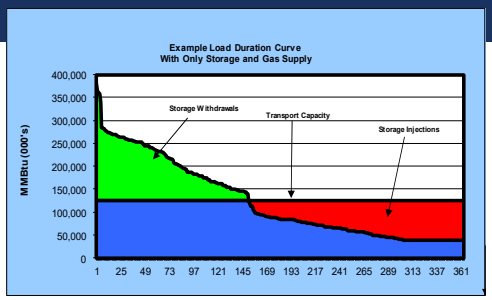

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STORAGE RESOURCES

- Uses
  - "Needle" peaking
  - Winter baseload
  - Day-to-day load balancing
  - Natural gas price hedge
  - System integrity/emergency issues
- Types
  - Liquefied Storage (LNG)
  - Underground

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STORAGE RESOURCES

Liquefied Storage Characteristics

- Natural gas is liquefied @ minus 260° F
- Liquid occupies 1/600 volume of vapor
- Nearly pure methane, non-corrosive, non-toxic and yes, SAFE
- High regasification/withdrawal capability
- Ideal for needle peaking, system balancing and system integrity issues

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STORAGE RESOURCES

Liquefied Storage Characteristics

- Liquefaction is slow which limits ability to cycle inventory
- Liquefaction is energy intensive → high cycling and inventory cost
- Generally stored in above-ground tanks
- No methane is released into the atmosphere

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PLYMOUTH LNG FACILITY

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STORAGE RESOURCES

Underground Storage Characteristics

- Gas is injected under pressure into developed salt domes, depleted well structures, underground aquifers or other porous geological formations
- Maximum daily withdrawal less than liquid storage; operating capability is dependent upon inventory level and pressure
- Injections comparatively faster and cycling costs are lower than liquid storage; multiple inventory cycles can enhance cost effectiveness

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STORAGE RESOURCES

Location & Type of Storage used by Intermountain

- Nampa, ID LNG – liquid (Intermountain)
- Plymouth, WA LNG – (Northwest Pipeline)
- Rexburg, ID Satellite LNG (Intermountain)
- Jackson Prairie - underground aquifer in western WA (Northwest Pipeline)
- Clay Basin - underground depleted well reservoir in NE Utah (Questar Pipeline)

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STORAGE RESOURCES - LOCATIONS

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STORAGE RESOURCES

Intermountain's 2020/21 Storage Statistics (MMBtu)

Facility	Seasonal Capacity	% of Nov-Mar	Daily Withdrawal Maximum	Daily Withdrawal % of Peak	Daily Injection Max Vol	Daily Injection # of Days	Redelivery Capacity
Nampa	600,000	1%	60,000	16%	3,500	166	*None*
Plymouth*	1,475,135	4%	155,175	43%	12,500	213	TF-2
Jackson Prairie	1,092,099	3%	30,337	8%	30,337	36	TF-2
Clay Basin	8,413,500	20%	70,114	19%	70,114	120	TF-1
Grand Total	11,580,734	28%	315,626	86%	116,451		

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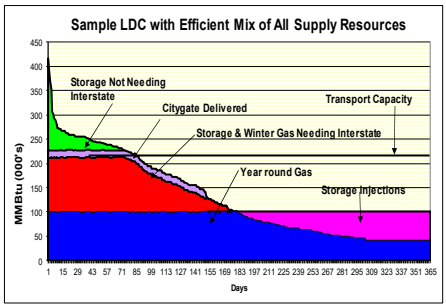

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QUESTIONS?

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FEEDBACK SUBMISSIONS

- Jacob.Darrington@intgas.com
- Please provide comments and feedback within 10 days

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THIRD MEETING

July 26, 2021, 9:00 a.m. - Noon

- Non-Traditional Resources
- Load Demand Curves
- Distribution System Overview
- Optimization and Distribution System Enhancements

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Intermountain Gas Company

July 26, 2021 IGRAC Committee Meeting Slides

Integrated Resource Plan 2021 – 2026

Exhibit No. 1
Section D

July 22, 2021

Good afternoon,
We're looking forward to hosting you all for our third IRP Stakeholder meeting Monday morning. This meeting will cover the following planning topics:

- Load Demand Curves
- Potential Capacity Enhancements
- Resource Optimization

We are also excited to welcome special guest speaker Nolan Hill, CEO of Highland West Energy, for a presentation on Combined Heat and Power (CHP) technology to kick the meeting off. The link in the calendar invitation or below should give you access to the meeting. If you have any issues connecting Monday morning, please contact Jacob Darrington at Jacob.Darrington@intgas.com.

See you Monday!

Lori

Lori Blattner
DIRECTOR, REGULATORY AFFAIRS
208.377.6015 | Lori.Blattner@intgas.com

INTERMOUNTAIN® GAS COMPANY
A Subsidiary of MDU Resources Group, Inc.

INTEGRATED RESOURCE PLAN

JULY 26, 2021

INTERMOUNTAIN GAS RESOURCE ADVISORY COMMITTEE (IGRAC)

1

WELCOME

- Introductions
- Feedback Process
- Agenda

2

AGENDA

- **Welcome & Introductions** – Jacob Darrington (*Manager, Regulatory Affairs*)
- **Safety Moment** – Dave Swenson (*Manager, Industrial Services*)
- **Guest Speaker – Combined Heat and Power – Nolan Hill (*CEO, Highland West Energy*)**
- **Load Demand Curves –** *Brian Robertson (Supervisor, Resource Planning)*
- **Potential Capacity Enhancements** – Kathleen Campbell *(Engineer III, Engineering Services)*
- **Resource Optimization –** *Brian Robertson (Supervisor, Resource Planning)*
- **Questions/Discussion**

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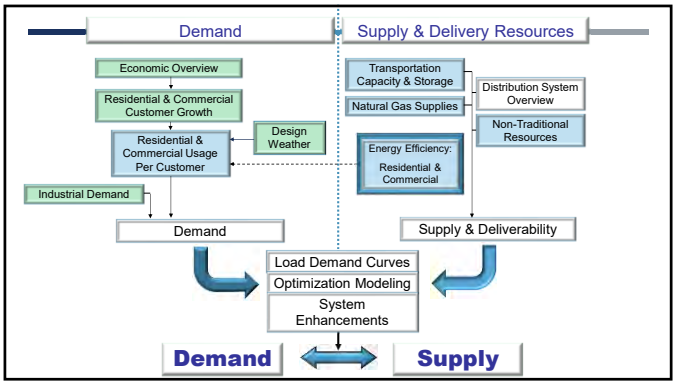

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SAFETY MOMENT

DAVE SWENSON
MANAGER INDUSTRIAL SERVICES

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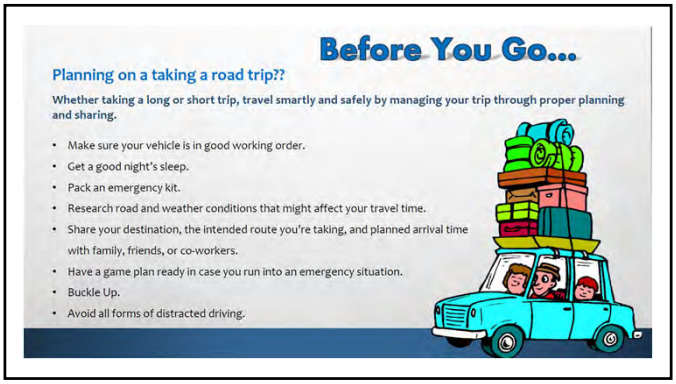

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GUEST SPEAKER
COMBINED HEAT AND POWER

NOLAN HILL
CEO, HIGHLAND WEST ENERGY

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LOAD DEMAND CURVES

BRIAN ROBERTSON
SUPERVISOR, RESOURCE PLANNING

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LOAD DEMAND CURVE KEY VARIABLES

- Based on Design Weather Conditions
- Low, Base and High Growth Core Market Customer Projections
- Customer Usage Per Degree Day
- MDFQ for Large Volume Customers

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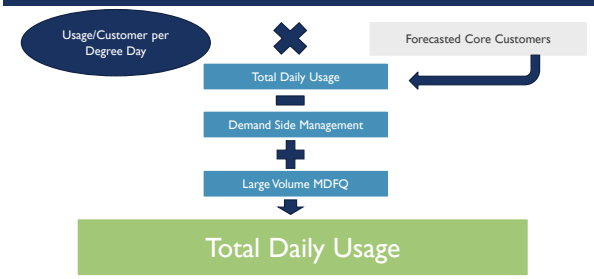
PEAK SEASON CORE MARKET LOAD DEMAND CURVE METHODOLOGY



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LOAD DEMAND CURVE

- Load Demand Curve: A forecast of Daily Gas Demand Using 'Design' Temperatures, and Predetermined 'Usage Per Customer'
- Designed to Measure Distribution Capacity at Our 5 Areas of Interest (AOIs)
- To Measure Total Company for Upstream Capacity

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LOAD DEMAND CURVE

- Based on Current Resources or Resources Scheduled to be Available During the IRP Period
- Remedies for Any Constraints Will be Identified Later
- Storage Management

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CAPACITY RESOURCES

Northwest Daily Maximum Transportation Capacity (MMBtu)

	2021	2022	2023	2024	2025	2026
Sumas (Dk is winter only)	93,941	93,941	93,941	93,941	50,941	50,941
Stanfield	133,774	133,774	133,774	133,774	133,774	130,624
Rockies	103,328	103,328	94,328	94,328	94,328	50,328
Citygate	10,000	10,000	10,000	10,000	10,000	0
Total Capacity	341,043	341,043	332,043	332,043	329,043	271,893
Storage Withdrawals with Bundled Capacity	185,512	185,512	185,512	185,512	185,512	155,175
Maximum Deliverability	526,555	526,555	517,555	517,555	514,555	427,068

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DESIGN CAPACITY OF DISTRIBUTION SYSTEM

- Idaho Falls Lateral
- Sun Valley Lateral
- Canyon County Lateral
- State Street Lateral
- Central Ada County

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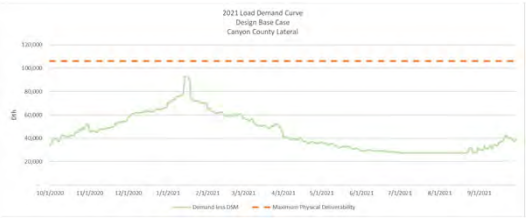

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QUESTIONS?

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DISTRIBUTION SYSTEM ENHANCEMENTS

KATHLEEN CAMPBELL, P.E.
ENGINEER III, ENGINEERING SERVICES

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DISTRIBUTION SYSTEM MODELING PROCESS TO ENSURE WE CAN MEET IRP GROWTH PREDICTIONS

- To evaluate our systems for predicted IRP growth and potential future deficits we use our gas modeling software, Synergi Gas
- Synergi Gas models incorporates:
  - Total customer loads
  - Existing pipe and system configurations
- To ensure we can meet the IRP growth predications we evaluate the AOIs for the growth predictions in the 5-year forecast using the design day conditions and usage per customer
- If any deficits occur in a AOI then the system is evaluated and reinforcement/enhancement alternatives that meet IRP growth needs are compared in the model with alternative analysis considerations

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PROCESS TO DETERMINE SYSTEM CAPACITY ENHANCEMENTS AND ALTERNATIVE ANALYSIS CONSIDERATIONS

- Each AOI is modeled by year for IRP growth to determine if and in what year a AOI deficiency will occur
- AOI deficiencies are defined when a critical system to the AOI is at or limiting capacity
  - Critical system examples include:
    - Minimum Inlet pressure to a regulator station or HP system.
    - End of line pressure and or required customer delivery pressure
- Once an AOI deficiency is determined the model is analyzed for system capacity enhancements to address the deficiency
- The system capacity enhancements are compared using alternative analysis methodology

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ALTERNATIVE ANALYSIS CONSIDERATIONS AND PROCESS:

- Alternative analysis considerations include:
  - Cost
  - Capacity Increase (total capacity gained)
  - System benefits
  - Long term planning
  - Other considerations
    - i.e. if a line needs to be uprated and would go to a Transmission Line.
- Alternative analysis will be used to determine System Capacity enhancements selected and budgeted for in the 5-year budget
- In this presentation we will be going over:
  - If an AOI has a deficit predicted in 5-year IRP forecast (2021-2026)
  - If an AOI has a deficiency what system capacity enhancements alternatives are being considered to address the deficit to ensure reliable service to our customers.

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AREAS OF INTEREST (AOI)

- Distribution System Segments:
  - Canyon County
  - Central Ada County Lateral
  - North of State Street Lateral
  - Sun Valley Lateral
  - Idaho Falls Lateral
  - All Other Customers

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CANYON COUNTY AOI

- Requires Reinforcements by 2021 and 2023 to meet IRP growth predictions
- AOI Capacity Limiter: 6-inch, 8-inch and 10-inch HP Bottleneck on Ustick Rd
- Alternatives Considered:

  1- Ustick Phase II

  2- Ustick Phase III

  3- Ustick Uprate

  4- 8-inch HP extension North of Ustick at 500 psig MAOP

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CANYON COUNTY - BOTTLENECK

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CANYON COUNTY ALTERNATIVE 1: USTICK PHASE II (SELECTED IN 2019 IRP- IN CONSTRUCTION)

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CANYON COUNTY ALTERNATIVE 2: USTICK PHASE III

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CANYON COUNTY ALTERNATIVE 3: USTICK UPRATE

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CANYON COUNTY ALTERNATIVE 4: 8-INCH HP EXTENSION NORTH OF USTICK RD AT 500 PSIG MAOP

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Canyon County Alternative Summary

Alternative #	Alternative Description	Alternative Cost ($)	Alternative Capacity (th/day)	Alternative Capacity Gain (%)
1	Ustick Phase II	$ 3,190,000.00	1,032,000	0%
2	Ustick Phase III	$ 8,480,000.00	1,390,000	35%
3	Ustick Uprate	$ 1,300,000.00	1,178,000	14%
4	8-inch HP Extension north of Ustick	$ 6,340,000.00	1,232,000	19%

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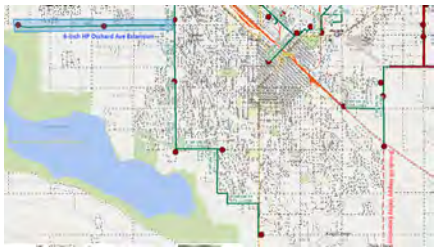
CANYON COUNTY IRP UPDATES



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STATE STREET LATERAL AOI

- Requires Reinforcements by 2023 to meet IRP growth predictions
- AOI Capacity Limiter: 12-inch HP Bottleneck on State Street and 4 in HP Bottleneck on Linder Rd
- Alternatives Considered:
  1- State Street Phase II Uprate
  2- Replace 12-inch HP on State Street and Replace 4-inch HP on Linder to operate at 500 psig MAOP

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STATE STREET AOI - BOTTLENECK

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STATE STREET LATERAL ALTERNATIVE 1: STATE STREET PHASE II UPRATE

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STATE STREET LATERAL ALTERNATIVE 2: REPLACE 12-INCH HP ON STATE STREET AND 4-INCH HP ON LINDER TO OPERATE AT 500 PSIG MAOP

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State Street Alternative Summary

Alternative #	Alternative Description	Alternative Cost ($)	Alternative Capacity (th/day)	Alternative Capacity Gain (%)
1	State St. Phase II Uprate	$ 2,000,000.00	950,000	16%
2	Replace 12-inch HP on State St and Linder to operate at 500#	$ 5,400,000.00	950,000	16%

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CENTRAL ADA COUNTY AOI

- Requires Reinforcements by 2022 to meet IRP growth predictions
- AOI Capacity Limiter: 10-inch and 8-inch HP Bottleneck on Meridian Rd and Victory Rd
- Alternatives Considered:
  1- 12-inch South Boise Loop
  2- Uprate 10-inch HP on Meridian and Victory Rd to operate at 500 psig
  3- Install compressor station on Victory Rd to boost pressure to 380 psig at Cloverdale

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CENTRAL ADA COUNTY AOI - BOTTLENECK

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CENTRAL ADA ALTERNATIVE 1: 12-INCH SOUTH BOISE LOOP

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CENTRAL ADA ALTERNATIVE 2: UPRATE 10-INCH HP ON MERIDIAN AND VICTORY RD TO OPERATE AT 500 PSIG

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CENTRAL ADA ALTERNATIVE 3: INSTALL COMPRESSOR STATION ON VICTORY RD TO BOOST PRESSURE TO 380 PSIG AT CLOVERDALE RD

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Ada County Alternative Summary

Alternative #	Alternative Description	Alternative Cost ($)	Alternative Capacity (th/day)	Alternative Capacity Gain (%)
1	12-inch South Boise Loop	$ 10,200,000.00	870,000	17%
2	Uprate 10-inch HP on Meridian and Victory Rd	$ 2,000,000.00	817,000	10%
3	Compressor Station at Victory and Cloverdale	$ 12,000,000.00	817,000	10%

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SUN VALLEY LATERAL AOI

- Requires Reinforcements by 2021 to meet IRP growth predictions.
- AOI Capacity Limiter: End of line pressure to Ketchum area
- Alternatives Considered:
  - 1- Shoshone Compressor Station

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SUN VALLEY LATERAL AOI - BOTTLENECK

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CENTRAL ADA ALTERNATIVE 1: SHOSHONE COMPRESSOR STATION (SELECTED IN 2019 IRP – IN CONSTRUCTION)

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Sun Valley Lateral Alternative Summary

Alternative #	Alternative Description	Alternative Cost ($)	Alternative Capacity (th/day)	Alternative Capacity Gain (%)
1	Shoshone Compressor Station	$ 5,000,000.00	247,500	0%

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IDAHO FALLS LATERAL AOI

- Requires Reinforcements by 2023 to meet IRP growth predictions.
- AOI Capacity Limiter: End of line pressure to St. Anthony's
- Alternatives Considered:
  - 1- Blackfoot Compressor Station
  - 2- Phase VI with a second Satellite LNG tank at Rexburg

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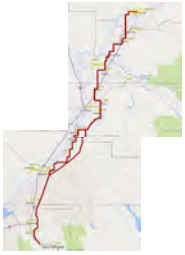
IDAHO FALLS AOI - BOTTLENECK



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IDAHO FALLS ALTERNATIVE 1: BLACKFOOT COMPRESSOR STATION

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IDAHO FALLS ALTERNATIVE 2: PHASE VI WITH A SECOND SATELLITE LNG TANK AT REXBURG

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Idaho Falls Lateral Alternative Summary

Alternative #	Alternative Description	Alternative Cost ($)	Alternative Capacity (th/day)	Alternative Capacity Gain (%)
1	Blackfoot Compressor Station	$ 15,000,000.00	1,093,000	21%
2	Phase VI with a second LNG tank at Rexburg	$ 28,100,000.00	963,000	7%

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AOI CAPACITY SUMMARY AND TIMING BASED ON LIKELY ALTERNATIVE SELECTED:

Year	Ada County AOI Capacity (th/day)	Ada County AOI Reinforcement Required	State Street Lateral AOI Capacity (th/day)	State Street Lateral AOI Reinforcement Required	Nampa County AOI Capacity (th/day)	Nampa County AOI Reinforcement Required	Sun Valley Lateral AOI Capacity (th/day)	Sun Valley AOI Reinforcement Required	Idaho Falls Lateral AOI Capacity (th/day)	Idaho Falls AOI Reinforcement Required
2021	745,000	None	820,000	None	1,032,000.00	12-inch Ustick Phase II	200,000	Shoshone Compressor Station	904,000.00	None
2022	870,000	12-inch S Boise Loop	820,000	None	1,032,000.00	None	247,500	None	904,000.00	None
2023	870,000	None	950,000	State Street Phase II Uprate	1,390,000.00	12-inch Ustick Phase III	247,500	None	1,093,000.00	IFL Compressor Station
2024	870,000	None	950,000	None	1,390,000.00	None	247,500	None	1,093,000.00	None
2025	870,000	None	950,000	None	1,390,000.00	None	247,500	None	1,093,000.00	None
2026	870,000	None	950,000	None	1,390,000.00	None	247,500	None	1,093,000.00	None

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QUESTIONS?

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IRP OPTIMIZATION MODEL

Draft Design Base Results

BRIAN ROBERTSON
SUPERVISOR, RESOURCE PLANNING

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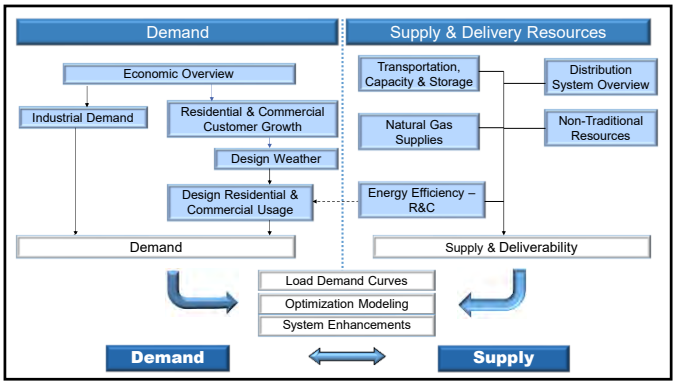

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IRP OPTIMIZATION MODELING

- **IGC IRP Model "Integrates"/Coordinates all the main functional elements of IGC operation:**
  - Gas Demand/Load, how much & where is gas consumed, "Load Duration Curve" (LDC) by area of interest.
  - Gas Supply, from where, how much, and what price is gas supplied to meet demand (LDC).
  - Gas Transport, how does gas move from supply to demand area given pipeline size and prices.
  - Demand Side Management (DSM), cost effective energy efficiency is used to reduce demand
  - Local Gas Distribution, local lateral sizing is explicitly modeled to meet demand & ensure reliability
  - The IRP model utilizes SENDOUT®, a linear optimization model, to determine the least cost manner to have loads served by supply, transport, DSM & laterals.

All results presented here are draft subject to further IGC review.

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WHAT IS OPTIMIZATION?

- Utilizes a ***standard*** mathematical technique called "linear programming" …to optimize over all possible combinations.
- The model knows the exact load and price for every day of the planning period based on the analyst's input and can therefore minimize costs in a way that would not be possible in the real world.
- Therefore, it is important to recognize that linear programming analysis provides helpful but not perfect information to guide decisions.
- Selects from a mix of resources over planning horizon to meet forecasted loads

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MODEL ELEMENTS

- Functional components:
  - Demand forecast (Area's of Interest)
  - Traditional supply resources
    - Existing and potential gas supplies by basin
    - Storage resources
    - Transportation capacity resources
  - Price forecast
  - Non-traditional supply e.g., new distribution capacity, RNG, DSM etc.

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MODEL STRUCTURE

Transport, Storage, Supply, & Demand Areas to Idaho (IGC))

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MODEL STRUCTURE

Transport

- Transportation contracts are the means of how Intermountain gets the gas from the supplier to the end user.
- Transportation has an MDQ, a D1 rate, a transportation rate, and a fuel loss percentage.
- A maximum delivery quantity (MDQ) which is the maximum amount of gas Intermountain can move on the pipeline on a single day.
- A D1 rate which is the reservation rate to have the ability to move the MDQ amount on the pipeline.
- A transportation rate which is the rate per dekatherm that is actually moved on the pipeline.
- The fuel loss percentage is the statutory percent of gas based on the tariff from the pipeline that is lost and unaccounted for from the point of where the gas was purchased to the citygate.

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MODEL STRUCTURE

Storage

- Intermountain has storage at 5 locations: Jackson Prairie (JP), Plymouth (Ply), Clay Basin, Nampa, and Rexburg.
- Storage injections targets are set at 35% by the end of June, 80% by the end of August, and 100% by the end of September to emulate cycling storage for non-needle peaking storage.
- Intermountain can withdrawal approximately 30,377 dth per day from JP, 155,175 dth per day from Plymouth, and 70,144 dth per day from Clay Basin for a total of approximately 255,626 dth per day of off-system storage.
- Intermountain can withdrawal approximately 60,000 dth per day from Nampa and 5,500 dth per day from Rexburg for a total of approximately 65,500 dth per day of on-system storage.

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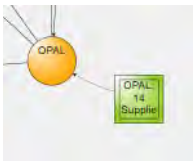
MODEL STRUCTURE

Supply

- Intermountain can purchase gas at three markets; AECO, SUMAS, and OPAL.
- At each market Intermountain can purchase gas at different locations along the pipeline.
- For each year, Intermountain uses Base, Fixed, Winter base, Summer and Winter day gas, and Peak day incremental supplies as inputs.
- Over the planning horizon, the contracts are renewed in November and April.



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MODEL STRUCTURE

Supply

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MODEL STRUCTURE

Demand Area

- Demand is forecasted at the five areas of interest, as well as all other customers.
- Demand is determined by the load demand curves.
- Each area of interest has DSM, which decrements demand at the avoided cost price.

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MODEL STRUCTURE

Transport, Storage, Supply, & Demand Areas to Idaho (IGC))

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Lateral Capacity Summary By Year

2021	Base Year (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	62,926	72,420	87%	84,207	90,400	93%
SUN VALLEY	18,406	21,184	87%	20,341	24,750	82%
CANYON COUNTY	68,791	79,170	87%	91,531	103,200	91%
STATE STREET	70,114	80,692	87%	71,104	82,000	87%
CENTRAL ADA	70,145	80,728	87%	70,995	74,500	95%
ALL OTHER	167,143	192,361	87%	257,711		

2022	Year 2 (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	64,937	72,328	90%	86,218	90,400	95%
SUN VALLEY	18,809	20,950	90%	20,744	24,750	84%
CANYON COUNTY	72,756	81,037	90%	97,546	103,200	95%
STATE STREET	72,284	80,512	90%	73,274	82,000	89%
CENTRAL ADA	71,295	79,411	90%	72,245	74,500	97%
ALL OTHER	172,663	192,316	90%	263,496		

2023	Year 3 (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	66,479	70,898	94%	87,810	90,400	97%
SUN VALLEY	19,083	20,351	94%	21,018	24,750	85%
CANYON COUNTY	75,629	80,656	94%	100,419	103,200	97%
STATE STREET	74,518	79,471	94%	75,508	82,000	92%
CENTRAL ADA	72,457	77,273	94%	73,407	74,500	99%
ALL OTHER	177,131	188,905	94%	268,514		

DRAFT MODEL RESULTS - LATERALS

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2024	Year 4 (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	68,029	70,671	96%	89,360	90,400	99%
SUN VALLEY	19,360	20,112	96%	21,295	24,750	86%
CANYON COUNTY	78,588	81,641	96%	103,378	103,200	100%
STATE STREET	76,823	79,807	96%	77,813	82,000	95%
CENTRAL ADA	73,634	76,495	96%	74,584	74,500	100%
ALL OTHER	181,769	188,830	96%	275,097		

2025	Year 5 (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	69,448	69,950	99%	90,779	90,400	100%
SUN VALLEY	19,634	19,775	99%	21,569	24,750	87%
CANYON COUNTY	81,553	82,142	99%	106,343	103,200	103%
STATE STREET	79,183	79,754	99%	80,173	82,000	98%
CENTRAL ADA	74,812	75,352	99%	75,762	74,500	102%
ALL OTHER	186,238	187,582	99%	279,566		

2026	Year 6 (Dth)					
Area of Interest	Core Peak Day	Transport	% of Transport	Total Peak Day	Capacity	% of Capacity
IDAHO FALLS	70,825	57,893	122%	92,206	90,400	102%
SUN VALLEY	19,830	16,208	122%	21,765	24,750	88%
CANYON COUNTY	83,917	68,591	122%	108,707	103,200	105%
STATE STREET	81,614	66,709	122%	82,604	82,000	101%
CENTRAL ADA	76,002	62,122	122%	76,952	74,500	103%
ALL OTHER	190,300	155,546	122%	283,628		

DRAFT MODEL LATERAL RESULT

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TRANSPORTATION SHORTFALL SOLVES

- Contract Renewal
- Alternative Transportation Uptake
- Renewable Natural Gas
- Others?

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DRAFT MODEL RESULT GENERAL SUPPLY BALANCE SUMMARY

Year 2

Supply Area	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
AECO	966,351	3,888,301	4,078,794	4,078,794	3,684,072	4,074,276	941,055	972,423	941,055	972,423	972,423	941,055
Sumas	0	0	0	1,578,478	912,964	38,137	2,063,482	3,367,967	151,652	0	0	1,405,006
Rockies	3,140,612	995,607	1,029,634	1,029,634	929,992	1,028,794	2,103,420	2,173,534	2,103,420	9,186	0	1,682,700
ALL OTHER	4,774	4,620	4,774	12,307	11,116	12,307	11,910	12,307	11,910	12,307	12,307	11,910
CENTRAL ADA	1,705	1,650	1,705	4,340	3,920	4,340	4,200	4,340	4,200	4,340	4,340	4,200
CYN CNTY	1,426	1,380	1,426	3,751	3,388	3,751	3,630	3,751	3,630	3,751	3,751	3,630
ID FALLS	1,023	990	1,023	3,007	2,716	3,007	2,910	3,007	2,910	3,007	3,007	2,910
N STATE ST	1,953	1,890	1,953	5,022	4,536	5,022	4,860	5,022	4,860	5,022	5,022	4,860
SUN VLLY	124	120	124	434	392	434	420	434	420	434	434	420
Storage	0	571,864	3,338,680	4,211,222	1,963,192	1,190,136	0	0	0	0	0	0

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DRAFT MODEL RESULT GENERAL SUPPLY BALANCE SUMMARY

Year 6

Supply Area	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26
AECO	961,135	3,935,755	4,078,794	4,078,794	3,684,072	4,078,794	916,587	947,140	916,587	947,140	947,140	916,587
Sumas	2,494,331	0	0	3,550,496	1,657,785	210,064	2,317,964	1,242,017	2,405,680	0	0	1,582,526
Rockies	1,029,634	996,420	1,029,634	1,029,634	929,992	1,598,847	2,103,420	2,173,534	1,080,858	1,029,634	1,029,634	996,420
ALL OTHER	42,935	41,550	42,935	55,924	50,512	55,924	54,120	55,924	54,120	55,924	55,924	54,120
CENTRAL ADA	14,880	14,400	14,880	19,251	17,388	19,251	18,630	19,251	18,630	19,251	19,251	18,630
CYN CNTY	14,260	13,800	14,260	19,158	17,304	19,158	18,540	19,158	18,540	19,158	19,158	18,540
ID FALLS	14,942	14,460	14,942	21,669	19,572	21,669	20,970	21,669	20,970	21,669	21,669	20,970
N STATE ST	17,174	16,620	17,174	22,196	20,048	22,196	21,480	22,196	21,480	22,196	22,196	21,480
SUN VLLY	2,728	2,640	2,728	4,185	3,780	4,185	4,050	4,185	4,050	4,185	4,185	4,050
Storage	0	1,057,240	4,205,047	3,344,855	1,963,192	1,046,000	0	0	0	0	0	0

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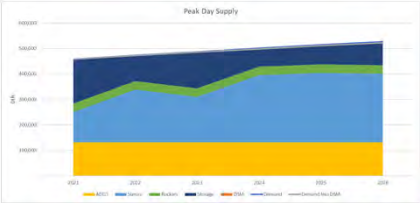
DRAFT MODEL RESULT GENERAL SUPPLY BALANCE SUMMARY



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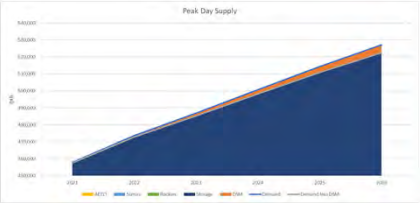
DRAFT MODEL RESULT GENERAL SUPPLY BALANCE SUMMARY



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SUMMARY

- Employs Utility Standard Practice Method To Optimize System
- Models DSM & Storage
- Handles storage withdrawal and injection across seasons
- Provides a check on need for lateral expansion.
- Provides a check on transport and supply capacity

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QUESTIONS?

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FEEDBACK SUBMISSIONS

- IRP.Comments@intgas.com
- Please provide comments and feedback within 10 days

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Intermountain Gas Company

John Church Economic Forecast

Integrated Resource Plan 2021 – 2026

Exhibit No. 2
Section A

Idaho Economics
Winter 2020 Economic Forecast

State of Idaho

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population: (Thousands)	1,016.63	1,299.43	1,570.75	1,822.51	2,060.24	2,280.13	2,514.14	2,765.90	3,024.68	554.12	523.08	943.39	2.2%	1.7%	2.1%
Population per Square Mile	12.2	15.6	18.8	21.8	24.7	27.3	30.1	33.1	36.2						
Total Households:	361,430	474,000	580,530	690,780	751,980	817,500	882,560	955,030	1,027,190	219,100	216,780	264,250	2.4%	1.9%	1.6%
Persons per Household	2.74	2.67	2.64	2.57	2.67	2.72	2.77	2.82	2.89						
Employment:															
Total Nonagricultural	385,330	560,100	603,200	813,660	950,610	1,070,000	1,207,550	1,361,780	1,523,120	217,870	253,560	548,120	2.3%	1.9%	2.6%
Manufacturing:	52,550	70,400	53,300	69,680	78,450	83,710	87,410	89,780	92,100	750	(720)	20,100	0.1%	-0.1%	1.3%
Services	113,210	184,600	237,900	305,520	370,070	431,640	504,290	586,950	681,300	124,690	120,920	281,430	3.8%	2.6%	3.3%

State of Idaho

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	25,880	35,260	41,020	49,130	56,140	56,360	49,130	37,540	70,140	69,760	70,210	73,930	77,130	79,870	83,390
Manufacturing	52,550	63,110	70,400	63,600	66,200	66,400	63,100	54,900	53,300	55,000	57,200	59,900	60,600	62,400	64,300
Transp., Trade, & Utilities	85,590	102,370	120,500	121,700	126,700	131,400	130,500	121,500	119,900	121,400	124,700	127,200	130,400	134,700	137,300
Information & Financial Activities	26,770	32,760	34,900	40,000	42,300	43,300	42,700	39,600	38,800	39,400	39,500	40,100	41,500	42,000	42,600
Professional & Business Services	32,770	41,760	61,000	78,500	82,200	84,200	82,200	76,200	75,700	77,000	77,600	79,800	82,000	83,300	88,000
Educational & Health Services	32,240	41,750	53,200	67,500	70,000	73,600	77,300	80,400	83,100	85,800	87,400	89,900	93,000	96,200	99,000
Leisure, Hospitality, & Other Svcs.	48,200	62,520	70,400	75,700	78,800	82,700	84,400	79,900	79,100	80,500	82,700	85,500	88,500	91,800	96,500
Government	81,320	95,780	108,810	115,210	116,210	116,810	119,230	119,460	118,360	117,010	116,980	117,400	118,200	119,200	121,100
Total Nonagricultural	385,330	475,300	560,100	611,200	638,300	654,700	648,500	609,400	603,200	610,400	621,700	637,300	653,900	671,600	694,200
Population & Households:															
Population: (Thousands)	1,016,630	1,180,090	1,299,430	1,428,240	1,468,670	1,505,110	1,534,320	1,554,440	1,570,750	1,583,910	1,595,320	1,611,210	1,631,110	1,651,060	1,682,380
Households:	361,430	421,960	474,000	542,940	560,580	573,970	579,420	576,330	580,530	583,990	587,280	592,720	599,960	607,980	618,360
Persons per Household:	2.64	2.61	2.59	2.57	2.56	2.56	2.58	2.63	2.64	2.65	2.65	2.65	2.66	2.65	2.66
Personal Income:	(Millions)														
Current Year $:	$16,149	$23,534	$32,598	$41,864	$46,053	$49,037	$50,680	$48,866	$49,842	$52,745	$55,370	$57,581	$60,744	$64,209	$64,418
2009 $:	23,948	30,820	39,077	46,236	49,596	51,277	50,401	49,227	49,649	51,288	53,029	54,424	56,532	58,705	60,405
Per Capita Personal Income:															
Current Year $:	$15,880	$19,940	$25,090	$29,310	$31,360	$32,580	$33,030	$31,440	$31,730	$33,300	$34,710	$35,740	$37,240	$38,890	$38,290
2009 $:	23,560	26,120	30,070	32,370	33,770	34,070	32,850	31,670	31,610	32,380	33,240	33,780	34,660	35,560	35,900

State of Idaho

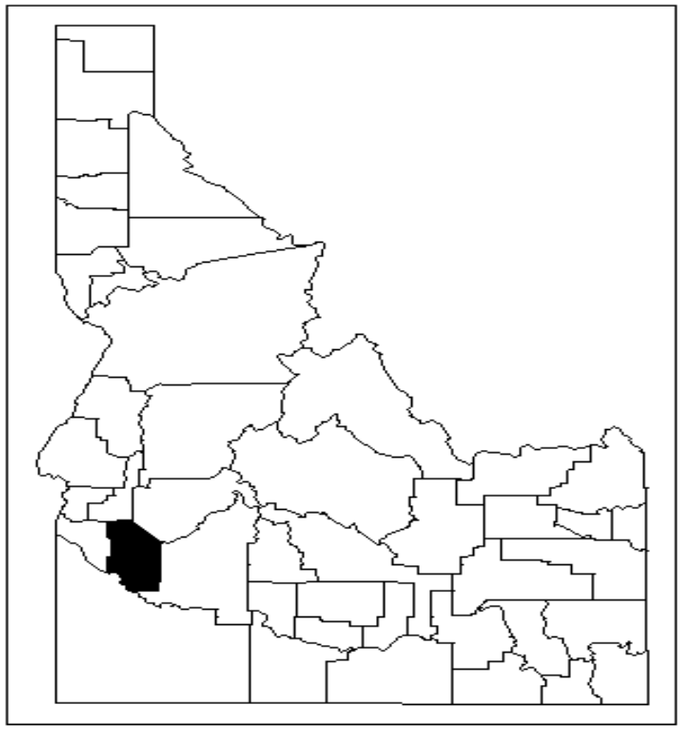
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	87,000	91,040	95,010	149,170	155,590	159,670	163,700	167,610	169,070	171,460	174,250	177,040	179,570	182,510
Manufacturing	66,400	68,400	68,600	69,680	71,960	74,000	75,880	77,850	78,450	79,730	80,970	81,750	82,590	83,710
Transp., Trade, & Utilities	148,200	151,300	153,600	139,030	145,250	149,150	152,910	156,250	157,540	160,600	163,410	166,370	170,050	173,480
Information & Financial Activities	126,100	130,100	133,400	130,170	136,090	141,530	147,200	153,180	157,940	163,150	169,520	175,010	180,850	186,790
Professional & Business Services	102,300	106,100	110,700	110,090	115,800	122,200	127,550	132,810	137,110	141,860	146,450	151,660	157,010	162,190
Educational & Health Services	102,300	106,100	110,700	110,090	115,800	122,200	127,550	132,810	137,110	141,860	146,450	151,660	157,010	162,190
Leisure, Hospitality, & Other Svcs.	75,400	79,300	82,700	79,280	82,790	85,420	87,950	90,140	90,860	92,000	93,630	95,650	97,680	99,850
Government	75,400	79,300	82,700	79,280	82,790	85,420	87,950	90,140	90,860	92,000	93,630	95,650	97,680	99,850
Total Nonagricultural	714,800	738,500	759,200	813,660	850,710	879,680	907,620	934,960	950,610	972,200	995,450	1,018,820	1,043,360	1,070,000
Population & Households:														
Population: (Thousands)	1,717,720	1,750,540	1,787,070	1,822,510	1,895,570	1,941,210	1,989,000	2,037,810	2,060,240	2,102,280	2,145,010	2,190,250	2,234,830	2,280,130
Households:	632,420	650,550	664,210	690,780	701,580	713,800	726,620	739,470	751,980	764,670	777,630	791,380	804,620	817,500
Persons per Household:	2.65	2.63	2.62	2.57	2.63	2.65	2.67	2.69	2.67	2.68	2.69	2.70	2.71	2.72
Personal Income:	(Millions)													
Current Year $:	$69,967	$74,516	$79,198	$83,441	$90,629	$96,909	$103,699	$110,984	$117,231	$124,945	$132,974	$141,276	$150,221	$159,996
2009 $:	62,101	64,793	67,509	69,951	74,555	78,067	81,741	85,659	88,675	92,670	96,730	100,791	105,078	109,705
Per Capita Personal Income:														
Current Year $:	$40,730	$42,570	$44,320	$45,780	$47,810	$49,920	$52,140	$54,460	$56,900	$59,430	$61,990	$64,500	$67,220	$70,170
2009 $:	36,150	37,010	37,780	38,380	39,330	40,220	41,100	42,040	43,040	44,080	45,100	46,020	47,020	48,110

State of Idaho

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	185,390	188,350	191,370	194,710	198,460	202,150	205,690	209,380	213,350	217,460	221,710	226,070	230,670	235,700
Manufacturing	84,750	85,360	86,050	86,770	87,410	88,060	88,550	89,000	89,320	89,780	90,440	91,110	91,810	92,460
Transp., Trade, & Utilities	164,730	168,710	172,900	176,810	180,880	184,780	188,500	192,270	196,470	200,830	204,890	208,620	211,910	215,520
Information & Financial Activities	60,510	61,550	62,560	63,540	64,530	65,420	66,270	67,250	68,300	69,430	70,460	71,500	72,580	73,690
Professional & Business Services	144,860	149,460	154,540	160,010	166,870	172,950	178,120	182,780	188,490	194,420	199,940	206,130	212,400	218,720
Educational & Health Services	167,860	174,420	180,760	186,950	192,770	198,070	204,380	211,740	220,510	229,190	238,860	248,780	259,640	270,820
Leisure, Hospitality, & Other Svcs.	132,160	135,160	138,360	141,430	144,660	148,070	151,520	155,140	159,210	163,350	167,060	170,730	174,350	178,030
Government	159,740	164,060	168,530	173,160	177,740	182,350	187,090	192,060	197,160	203,900	207,640	213,140	218,820	224,750
Total Nonagricultural	1,094,890	1,121,810	1,149,650	1,177,800	1,207,550	1,235,940	1,264,040	1,293,390	1,326,420	1,361,780	1,394,270	1,429,170	1,465,110	1,502,440
Population & Households:														
Population: (Thousands)	2,325,700	2,371,930	2,418,760	2,466,100	2,514,140	2,562,720	2,612,190	2,662,520	2,713,770	2,765,900	2,818,310	2,871,310	2,925,260	2,980,200
Households:	829,790	842,190	855,180	868,730	882,560	896,610	911,020	925,700	940,440	955,030	969,450	984,160	997,740	1,011,130
Persons per Household:	2.73	2.74	2.75	2.76	2.77	2.78	2.79	2.80	2.81	2.82	2.83	2.84	2.85	2.87
Personal Income:	(Millions)													
Current Year $:	$170,167	$181,020	$192,769	$205,259	$218,868	$233,091	$247,924	$263,932	$281,350	$300,281	$319,996	$341,361	$364,471	$389,348
2009 $:	114,310	119,131	124,257	129,560	135,301	141,126	146,990	153,197	159,831	166,964	174,130	181,760	189,854	198,387
Per Capita Personal Income:														
Current Year $:	$73,170	$76,320	$79,700	$83,230	$87,050	$90,950	$94,910	$99,130	$103,670	$108,570	$113,540	$118,890	$124,590	$130,640
2009 $:	49,150	50,230	51,370	52,540	53,820	55,070	56,270	57,540	58,900	60,370	61,790	63,300	64,900	66,570

Idaho Economics
Winter 2020 County Economic Forecasts

Ada County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	208,910	303,330	393,350	496,030	557,390	629,730	708,590	793,610	880,960
Population per Square Mile	198.6	288.4	374.0	471.6	529.9	598.7	673.7	754.5	837.6
Total Households:	77,480	114,240	148,540	186,720	209,830	236,480	264,290	295,670	326,630
Persons per Household	2.63	2.59	2.58	2.59	2.59	2.59	2.61	2.61	2.62
Employment:									
Total Nonagricultural	102,880	175,400	192,170	257,220	306,220	358,560	421,760	493,300	569,300
Manufacturing:	14,270	23,670	14,270	18,180	20,640	22,340	23,780	24,800	25,770
Services	34,220	64,370	86,090	119,540	146,960	177,570	214,840	257,370	305,990

Ada County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	3,100	8,210	10,320	12,010	14,650	14,240	11,220	8,130	10,310	9,940	10,270	11,540	12,140	12,620	14,070
Manufacturing	14,270	20,720	23,670	21,330	21,780	20,930	18,750	15,040	14,270	14,910	15,620	15,660	15,760	16,030	16,170
Transp., Trade, & Utilities	23,140	28,990	36,140	36,940	40,010	41,430	41,000	37,180	36,700	37,260	38,050	39,750	41,140	42,870	44,000
Information & Financial Activities	9,540	11,800	14,070	15,680	16,640	16,610	16,590	15,400	14,310	14,390	14,510	14,950	15,210	15,760	16,590
Professional & Business Services	12,600	16,270	24,090	33,580	35,760	35,820	36,860	34,180	33,420	33,340	33,880	33,820	34,060	34,450	36,970
Educational & Health Services	8,570	12,500	18,430	23,940	24,570	25,540	27,290	28,240	29,150	30,620	31,230	32,460	33,360	34,710	35,710
Leisure, Hospitality, & Other Svcs.	13,050	16,410	21,860	23,600	25,000	26,420	26,290	25,530	23,520	24,310	25,200	26,410	27,400	28,460	30,390
Government	18,600	22,630	26,830	29,550	30,290	31,000	32,420	32,310	31,570	31,260	31,690	32,130	32,500	32,670	32,720
Total Nonagricultural	102,880	137,530	175,400	196,630	208,700	212,220	209,210	194,180	192,170	194,700	198,960	205,430	210,120	216,680	226,200
Population & Households:															
Population:	208,910	257,950	303,330	348,760	363,500	375,370	382,620	388,580	393,350	401,260	408,860	415,950	425,470	432,860	444,490
Households:	77,480	95,870	114,240	136,220	142,500	146,970	148,350	147,650	148,540	150,950	153,860	155,870	159,030	161,600	166,010
Persons per Household:	2.56	2.53	2.51	2.50	2.49	2.49	2.52	2.57	2.58	2.59	2.59	2.60	2.61	2.61	2.61
Personal Income:	(Millions)														
Current Year $:	$4,107	$6,903	$10,482	$13,134	$14,746	$15,258	$15,337	$14,823	$14,951	$15,754	$16,663	$17,593	$18,930	$20,113	$20,890
2009 $:	6,091	9,041	12,672	14,821	16,381	16,315	15,310	15,040	15,157	15,440	15,900	16,449	17,067	17,675	18,212
Per Capita Personal Income:															
Current Year $:	$19,660	$26,760	$34,570	$38,990	$42,530	$42,120	$39,990	$38,660	$39,070	$40,010	$41,130	$42,270	$43,450	$44,250	$45,490
2009 $:	29,160	35,050	41,590	42,260	44,890	43,380	39,970	38,660	38,440	38,420	38,780	39,380	39,950	40,620	41,170

Ada County

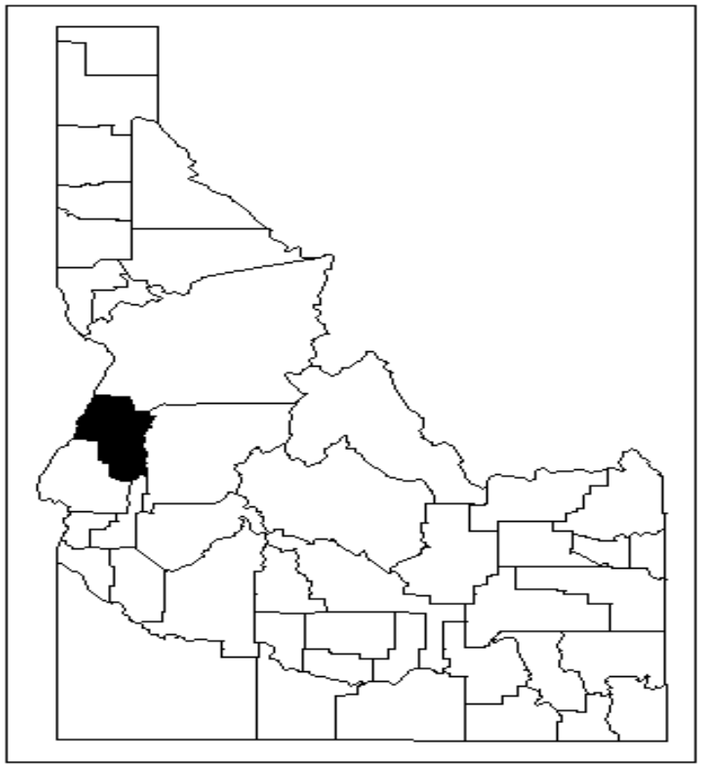
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	15,270	16,690	17,690	18,430	19,470	20,410	21,330	22,240	23,020	23,700	24,480	25,270	26,000	26,830
Manufacturing	16,690	17,720	17,530	18,180	18,690	19,220	19,690	20,180	20,640	21,020	21,410	21,680	21,980	22,340
Information & Financial Activities	48,800	50,360	51,540	51,220	52,810	54,340	55,780	57,060	58,270	59,590	60,890	62,270	63,930	65,490
Leisure, Hospitality, & Other Svcs.	52,640	55,060	56,720	58,960	61,660	64,290	67,080	70,050	72,890	75,720	79,160	82,230	85,510	88,920
Government	35,300	37,070	39,170	41,850	43,750	45,740	47,820	49,910	52,120	54,210	56,310	58,630	61,020	63,460
Educational & Health Services	35,300	37,070	39,170	41,850	43,750	45,740	47,820	49,910	52,120	54,210	56,310	58,630	61,020	63,460
Professional & Business Services	25,340	27,310	28,580	25,940	26,950	27,910	28,900	29,750	30,380	31,000	31,830	32,760	33,720	34,750
Transp., Trade, & Utilities	25,340	27,310	28,580	25,940	26,950	27,910	28,900	29,750	30,380	31,000	31,830	32,760	33,720	34,750
Total Nonagricultural	233,400	237,080	244,780	257,220	266,750	276,680	286,740	296,720	306,220	315,400	325,570	335,790	346,630	358,560
Population & Households:														
Population:	456,550	468,760	481,590	496,030	507,940	519,110	531,570	544,330	557,390	570,770	584,470	600,190	614,770	629,730
Households:	171,360	174,760	180,970	186,720	191,350	195,560	200,270	205,040	209,830	214,820	219,970	225,810	231,160	236,480
Persons per Household:	2.60	2.61	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59
Personal Income:	(Millions)													
Current Year $:	$21,355	$22,937	$24,605	$26,785	$28,821	$30,984	$33,361	$35,950	$38,654	$41,573	$44,691	$47,964	$51,527	$55,378
2009 $:	18,954	19,944	20,973	22,455	23,710	24,960	26,297	27,747	29,238	30,834	32,510	34,219	36,043	37,971
Per Capita Personal Income:														
Current Year $:	$46,780	$48,930	$51,090	$54,000	$56,740	$59,690	$62,760	$66,040	$69,350	$72,840	$76,460	$79,920	$83,820	$87,940
2009 $:	41,520	42,550	43,550	45,270	46,680	48,080	49,470	50,970	52,460	54,020	55,620	57,010	58,630	60,300

Ada County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	27,720	28,600	29,520	30,540	31,670	32,830	33,950	35,130	36,350	37,600	39,010	40,420	41,920	44,650
Manufacturing	22,730	22,980	23,250	23,530	23,780	24,040	24,250	24,460	24,610	24,800	25,080	25,340	25,610	25,770
Transp., Trade, & Utilities	61,690	63,440	65,260	66,970	68,730	70,490	72,190	73,930	75,800	77,720	79,610	81,340	82,900	85,180
Information & Financial Activities	26,470	27,150	27,860	28,550	29,250	29,930	30,590	31,320	32,090	32,890	33,670	34,450	35,250	36,390
Professional & Business Services	71,520	74,200	77,120	80,250	84,060	87,590	90,720	93,640	97,070	100,620	104,050	107,790	111,610	117,880
Educational & Health Services	66,070	69,110	72,050	75,000	77,750	80,280	83,240	86,700	90,730	94,730	99,250	103,840	108,860	117,850
Leisure, Hospitality, & Other Svcs.	46,760	48,200	49,800	51,370	53,030	54,720	56,390	58,140	60,070	62,020	63,860	65,670	67,480	70,250
Government	52,000	53,640	55,450	57,440	59,230	61,000	62,830	64,750	66,700	69,490	70,730	72,860	75,050	78,630
Total Nonagricultural	369,850	382,060	394,890	408,060	421,760	434,960	448,080	461,820	477,020	493,300	508,520	524,810	541,600	569,300
Population & Households:														
Population:	645,080	660,720	676,560	692,440	708,590	725,010	741,720	758,730	776,020	793,610	810,860	828,380	846,220	880,960
Households:	241,730	247,070	252,640	258,400	264,290	270,330	276,530	282,880	289,280	295,670	301,890	308,280	314,310	326,630
Persons per Household:	2.60	2.60	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.62	2.62
Personal Income:	(Millions)													
Current Year $:	$59,531	$63,953	$68,750	$73,859	$79,430	$85,289	$91,454	$98,161	$105,524	$113,425	$121,977	$131,135	$141,070	$161,233
2009 $:	39,990	42,088	44,315	46,620	49,102	51,638	54,222	56,977	59,947	63,067	66,375	69,824	73,484	80,361
Per Capita Personal Income:														
Current Year $:	$92,280	$96,790	$101,620	$106,660	$112,100	$117,640	$123,300	$129,380	$135,980	$142,920	$150,430	$158,300	$166,710	$183,020
2009 $:	61,990	63,700	65,500	67,330	69,300	71,220	73,100	75,090	77,250	79,470	81,860	84,290	86,840	91,220

Idaho Economics
Winter 2020 County Economic Forecasts

Adams County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,270	3,480	3,960	6,050	6,190	6,370	6,440	6,470	6,500
Population per Square Mile	2.4	2.5	2.9	4.4	4.5	4.6	4.7	4.7	4.7
Total Households:	1,240	1,420	1,730	1,880	2,050	2,230	2,330	2,440	4,010
Persons per Household	2.64	2.42	2.26	2.06	1.93	1.83	1.75	1.67	1.61
Employment:									
Total Nonagricultural	940	970	1,030	1,160	1,200	1,220	1,220	1,210	1,210
Manufacturing:	100	90	30	120	120	120	110	90	80
Services	160	150	280	220	230	230	240	240	250

Adams County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	170	110	100	100	110	140	90	50	90	90	100	90	100	100	100
Manufacturing	100	100	90	20	20	20	50	40	30	100	120	130	150	160	170
Transp., Trade, & Utilities	120	120	160	210	300	290	230	260	250	150	150	160	160	180	180
Information & Financial Activities	50	40	30	50	50	60	40	40	50	50	50	50	50	50	40
Professional & Business Services	0	0	10	60	80	80	60	50	50	60	50	40	30	50	70
Educational & Health Services	40	20	20	40	50	40	40	40	50	60	70	80	90	90	100
Leisure, Hospitality, & Other Svcs.	120	90	130	150	230	230	230	180	180	90	90	100	110	110	110
Government	340	430	450	330	340	340	330	330	330	320	320	320	320	320	320
Total Nonagricultural	940	920	970	960	1,170	1,210	1,100	1,030	1,030	920	940	960	990	1,040	1,090
Population & Households:															
Population:	3,270	3,680	3,480	3,820	3,790	3,950	4,020	4,000	3,960	3,980	3,910	3,860	3,880	3,890	3,940
Households:	1,240	1,410	1,420	1,630	1,640	1,720	1,740	1,720	1,730	1,750	1,720	1,710	1,740	1,750	1,770
Persons per Household:	2.40	2.37	2.35	2.31	2.29	2.28	2.29	2.30	2.26	2.26	2.25	2.23	2.21	2.19	2.17
Personal Income:	(Millions)														
Current Year $:	$44.9	$58.6	$76.9	$101.8	$107.1	$109.7	$115.7	$109.9	$110.7	$117.1	$122.0	$125.3	$133.1	$141.2	$145.5
2009 $:	66.6	76.7	94.6	110.1	115.1	115.0	111.4	109.1	107.6	114.3	116.5	117.7	121.4	125.3	127.0
Per Capita Personal Income:															
Current Year $:	$13,750	$15,920	$22,610	$26,570	$28,730	$28,230	$27,690	$27,240	$27,670	$29,900	$31,590	$32,960	$34,160	$35,480	$36,520
2009 $:	20,380	20,850	27,200	28,800	30,330	29,070	27,670	27,240	27,220	28,710	29,780	30,710	31,410	32,570	33,040

Adams County

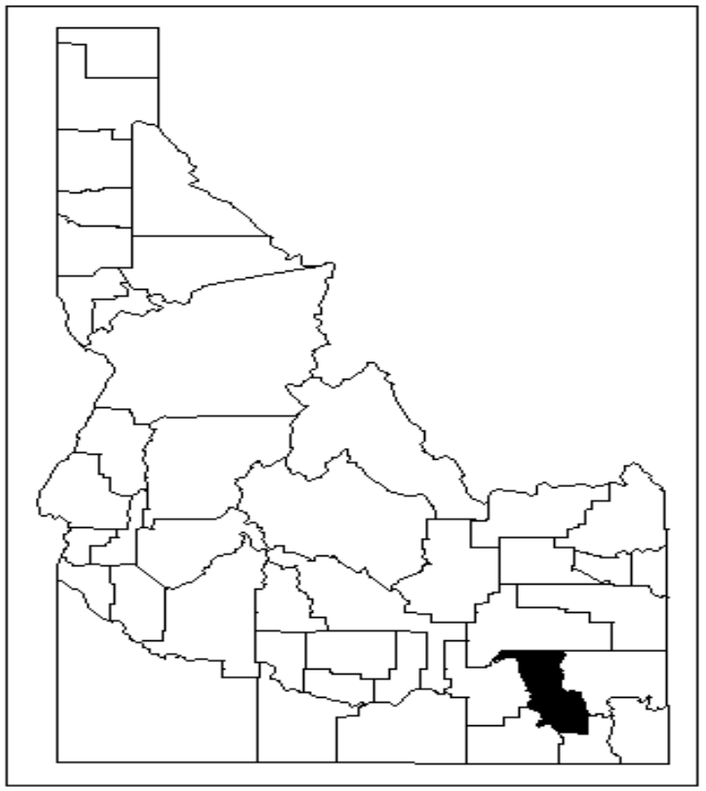
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	100	130	130	360	360	360	360	360	360	360	360	360	360	350
Manufacturing	180	160	130	120	120	120	120	120	120	120	120	120	120	120
Transp., Trade, & Utilities	170	160	160	90	90	90	90	90	90	90	90	90	90	90
Information & Financial Activities	40	30	40	40	40	40	40	40	40	40	40	40	40	40
Professional & Business Services	60	50	40	40	40	40	40	40	40	40	40	40	40	40
Educational & Health Services	70	70	70	70	70	70	70	80	80	80	80	80	80	80
Leisure, Hospitality, & Other Svcs.	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Government	330	330	340	340	330	340	340	350	350	350	360	360	370	380
Total Nonagricultural	1,050	1,020	980	1,160	1,170	1,180	1,190	1,190	1,200	1,200	1,200	1,200	1,210	1,220
Population & Households:														
Population:	4,130	4,230	4,290	6,050	6,070	6,100	6,130	6,160	6,190	6,220	6,250	6,290	6,330	6,370
Households:	1,800	1,820	1,850	1,880	1,910	1,950	1,980	2,020	2,050	2,090	2,130	2,160	2,200	2,230
Persons per Household:	2.15	2.13	2.10	2.06	2.03	2.01	1.98	1.95	1.93	1.90	1.88	1.86	1.84	1.83
Personal Income:	(Millions)													
Current Year $:	$145.8	$151.5	$157.2	$162.7	$168.7	$175.9	$183.7	$191.6	$199.3	$207.2	$215.9	$225.0	$234.8	$244.9
2009 $:	129.4	131.7	134.0	136.4	138.7	141.7	144.8	147.9	150.8	153.7	157.0	160.5	164.2	167.9
Per Capita Personal Income:														
Current Year $:	$35,330	$35,780	$36,600	$26,880	$27,770	$28,820	$29,960	$31,090	$32,200	$33,330	$34,540	$35,780	$37,090	$38,470
2009 $:	31,360	31,110	31,200	22,540	22,840	23,220	23,620	23,990	24,360	24,720	25,120	25,520	25,950	26,380

Adams County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Manufacturing	110	110	110	110	110	100	100	100	90	90	90	90	80	80
Transp., Trade, & Utilities	90	90	90	90	90	90	90	90	90	90	90	90	90	80
Information & Financial Activities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Professional & Business Services	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Educational & Health Services	90	90	90	90	90	90	90	90	100	100	100	100	100	100
Leisure, Hospitality, & Other Svcs.	110	110	110	110	110	110	110	100	100	100	100	100	100	100
Government	380	380	380	380	390	390	390	390	400	410	400	400	400	410
Total Nonagricultural	1,220	1,220	1,220	1,220	1,220	1,220	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210
Population & Households:														
Population:	6,390	6,410	6,420	6,430	6,440	6,450	6,460	6,460	6,470	6,470	6,480	6,480	6,480	6,490
Households:	2,250	2,270	2,290	2,310	2,330	2,350	2,380	2,400	2,420	2,440	2,460	2,480	2,490	2,510
Persons per Household:	1.81	1.80	1.78	1.77	1.75	1.73	1.72	1.70	1.68	1.67	1.65	1.63	1.62	1.61
Personal Income:	(Millions)													
Current Year $:	$254.8	$264.2	$274.6	$284.9	$296.4	$307.7	$319.3	$331.3	$344.0	$357.0	$369.9	$383.4	$398.4	$413.9
2009 $:	171.2	173.9	177.0	179.8	183.2	186.3	189.3	192.3	195.4	198.5	201.3	204.2	207.5	210.9
Per Capita Personal Income:														
Current Year $:	$39,890	$41,240	$42,760	$44,290	$46,010	$47,710	$49,440	$51,250	$53,170	$55,140	$57,090	$59,150	$61,440	$63,810
2009 $:	26,790	27,140	27,560	27,960	28,440	28,890	29,310	29,750	30,210	30,660	31,070	31,500	32,000	32,510

Idaho Economics
Winter 2020 County Economic Forecasts

Bannock County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	66,430	75,730	83,020	90,930	100,190	109,660	119,260	129,780	140,170
Population per Square Mile	59.7	68.0	74.6	81.7	90.0	98.5	107.2	116.6	125.9
Total Households:	23,490	27,520	31,000	35,500	39,750	44,290	48,930	54,370	59,430
Persons per Household	2.77	2.70	2.63	2.51	2.47	2.43	2.39	2.39	2.31
Employment:									
Total Nonagricultural	22,120	33,070	30,860	37,520	42,190	46,600	51,340	56,200	61,170
Manufacturing:	1,510	2,830	2,100	2,140	2,400	2,600	2,760	2,880	3,000
Services	6,320	10,420	12,350	13,270	15,860	18,360	21,210	24,110	27,350

Bannock County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	940	1,430	1,800	2,130	1,990	2,040	1,870	1,600	1,750	1,640	1,340	1,350	1,410	1,500	1,860
Manufacturing	1,510	1,860	2,830	2,470	2,720	2,800	2,570	2,280	2,100	2,160	2,050	1,880	1,710	1,740	1,910
Transp., Trade, & Utilities	5,080	7,270	6,940	6,680	6,910	6,880	6,820	6,310	5,760	5,740	5,840	5,960	6,020	6,120	6,200
Information & Financial Activities	2,190	1,980	2,450	2,730	2,740	2,890	2,470	2,240	1,950	1,880	2,090	2,260	2,370	2,440	2,320
Professional & Business Services	1,540	1,790	3,260	4,110	4,810	4,740	3,720	3,550	3,080	3,010	3,230	3,600	3,700	3,640	3,560
Educational & Health Services	1,600	2,190	2,770	3,230	3,190	3,330	3,750	5,040	5,030	5,090	5,220	5,330	5,550	5,690	5,750
Leisure, Hospitality, & Other Svcs.	3,180	4,170	4,380	4,460	4,520	4,700	4,770	4,630	4,230	4,080	3,990	4,050	4,080	4,250	4,470
Government	6,080	7,780	8,630	9,580	9,390	9,180	9,210	8,230	8,070	8,110	8,000	8,220	8,390	8,870	8,960
Total Nonagricultural	22,120	28,490	33,070	35,370	36,280	35,160	33,690	31,710	30,860	30,540	30,620	31,330	31,860	32,420	33,130
Population & Households:															
Population:	66,430	73,610	75,730	77,420	78,490	79,340	80,610	81,990	83,020	83,640	83,760	83,460	83,540	84,180	84,680
Households:	23,490	25,950	27,520	29,370	29,890	30,250	30,460	30,420	31,000	31,760	32,100	32,110	32,130	32,280	32,590
Persons per Household:	2.67	2.64	2.61	2.59	2.58	2.58	2.60	2.65	2.63	2.58	2.56	2.55	2.54	2.55	2.54
Personal Income:	(Millions)														
Current Year $:	$946.8	$1,310.7	$1,630.6	$2,070.8	$2,176.1	$2,278.5	$2,366.8	$2,341.0	$2,381.5	$2,477.1	$2,526.9	$2,581.7	$2,674.2	$2,812.3	$2,928.7
2009 $:	1,404.0	1,716.5	1,983.4	2,288.7	2,379.3	2,432.4	2,380.2	2,346.2	2,347.2	2,382.5	2,386.3	2,398.6	2,473.9	2,539.9	2,597.0
Per Capita Personal Income:															
Current Year $:	$14,250	$17,810	$21,760	$27,220	$28,680	$29,700	$29,480	$28,570	$28,720	$29,690	$30,260	$30,890	$32,270	$33,000	$33,930
2009 $:	21,130	23,320	26,170	29,500	30,280	30,590	29,460	28,570	28,260	28,510	28,530	28,780	29,670	30,300	30,700

Bannock County

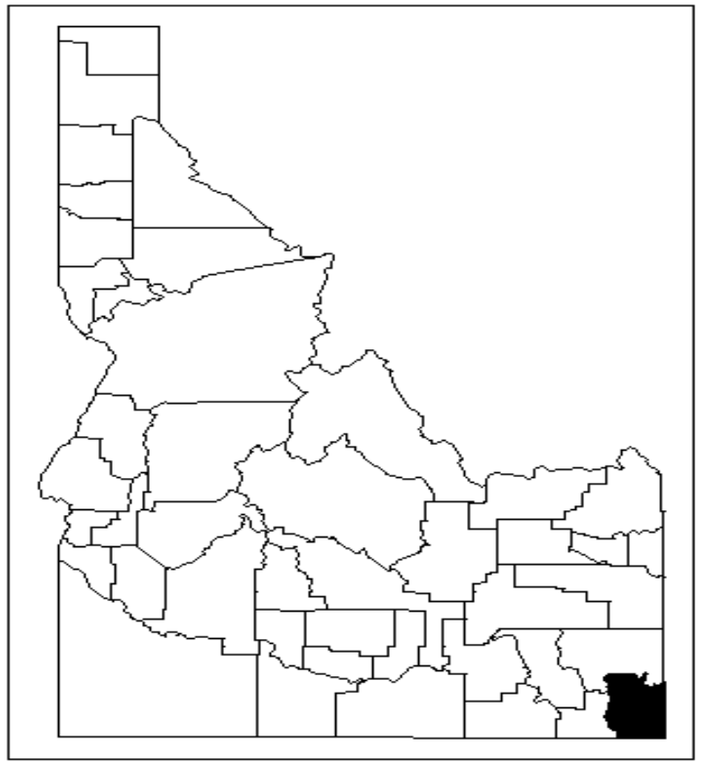
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,970	1,860	2,020	3,550	3,630	3,690	3,740	3,790	3,820	3,840	3,870	3,890	3,910	3,940
Manufacturing	2,080	2,190	2,300	2,140	2,190	2,240	2,290	2,340	2,400	2,450	2,490	2,520	2,560	2,600
Transp., Trade, & Utilities	6,580	6,610	6,550	3,950	4,030	4,100	4,170	4,210	4,250	4,310	4,350	4,400	4,470	4,520
Information & Financial Activities	5,510	5,680	5,570	7,210	7,440	7,680	7,930	8,180	8,410	8,620	8,890	9,110	9,350	9,570
Professional & Business Services	5,870	5,910	6,040	5,130	5,330	5,530	5,770	6,010	6,250	6,480	6,680	6,930	7,180	7,410
Educational & Health Services	5,870	5,910	6,040	5,130	5,330	5,530	5,770	6,010	6,250	6,480	6,680	6,930	7,180	7,410
Leisure, Hospitality, & Other Svcs.	3,910	3,810	4,180	5,020	5,110	5,200	5,280	5,340	5,350	5,360	5,380	5,440	5,490	5,550
Government	3,910	3,810	4,180	5,020	5,110	5,200	5,280	5,340	5,350	5,360	5,380	5,440	5,490	5,550
Total Nonagricultural	33,670	33,830	34,540	37,520	38,400	39,370	40,390	41,330	42,190	42,990	43,840	44,720	45,640	46,600
Population & Households:														
Population:	85,480	86,670	87,810	90,930	92,730	94,570	96,430	98,320	100,190	102,070	103,960	105,860	107,760	109,660
Households:	33,050	33,750	34,470	35,500	36,340	37,180	38,030	38,900	39,750	40,630	41,540	42,460	43,390	44,290
Persons per Household:	2.54	2.55	2.56	2.51	2.50	2.49	2.49	2.48	2.47	2.46	2.45	2.44	2.44	2.43
Personal Income:	(Millions)													
Current Year $:	$3,008.6	$3,170.1	$3,335.8	$3,543.1	$3,739.3	$3,949.8	$4,170.3	$4,400.0	$4,629.4	$4,886.4	$5,139.9	$5,390.1	$5,662.4	$5,961.4
2009 $:	2,670.4	2,756.5	2,843.5	2,970.3	3,076.1	3,181.9	3,287.2	3,396.0	3,501.7	3,624.2	3,738.9	3,845.5	3,960.8	4,087.6
Per Capita Personal Income:														
Current Year $:	$35,200	$36,580	$37,990	$38,960	$40,320	$41,770	$43,250	$44,750	$46,210	$47,870	$49,440	$50,920	$52,550	$54,360
2009 $:	31,240	31,800	32,380	32,670	33,170	33,650	34,090	34,540	34,950	35,510	35,960	36,330	36,760	37,270

Bannock County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	3,970	4,000	4,030	4,070	4,110	4,150	4,190	4,230	4,270	4,310	4,370	4,430	4,500	4,570
Manufacturing	2,640	2,670	2,700	2,730	2,760	2,790	2,820	2,840	2,860	2,880	2,910	2,940	2,970	3,000
Transp., Trade, & Utilities	3,930	4,000	4,080	4,140	4,210	4,260	4,300	4,330	4,390	4,440	4,480	4,500	4,500	4,510
Information & Financial Activities	5,640	5,650	5,660	5,660	5,670	5,660	5,650	5,650	5,650	5,650	5,650	5,650	5,640	5,640
Professional & Business Services	4,820	5,020	5,240	5,470	5,760	6,000	6,210	6,380	6,600	6,820	7,020	7,250	7,480	7,700
Educational & Health Services	7,670	7,960	8,250	8,520	8,770	8,980	9,230	9,520	9,880	10,220	10,600	10,990	11,410	11,830
Leisure, Hospitality, & Other Svcs.	6,400	6,480	6,550	6,620	6,670	6,740	6,810	6,890	6,980	7,070	7,140	7,200	7,260	7,310
Government	12,430	12,670	12,910	13,130	13,390	13,640	13,910	14,180	14,460	14,800	15,030	15,320	15,610	15,910
Total Nonagricultural	47,500	48,450	49,410	50,340	51,340	52,240	53,110	54,020	55,080	56,200	57,210	58,290	59,380	60,480
Population & Households:														
Population:	111,550	113,440	115,360	117,290	119,260	121,270	123,320	125,430	127,580	129,780	132,000	134,250	136,520	138,820
Households:	45,160	46,040	46,970	47,940	48,930	49,970	51,040	52,140	53,250	54,370	55,500	56,660	57,750	58,850
Persons per Household:	2.42	2.42	2.41	2.40	2.39	2.38	2.37	2.36	2.35	2.34	2.33	2.32	2.32	2.31
Personal Income:	(Millions)													
Current Year $:	$6,276.3	$6,607.9	$6,967.1	$7,348.3	$7,752.5	$8,138.9	$8,523.8	$8,933.6	$9,371.6	$9,838.5	$10,315.5	$10,822.7	$11,320.8	$11,827.8
2009 $:	4,216.1	4,348.7	4,490.9	4,638.3	4,792.5	4,927.7	5,053.6	5,185.4	5,323.9	5,470.5	5,613.3	5,762.6	5,897.0	6,026.7
Per Capita Personal Income:														
Current Year $:	$56,260	$58,250	$60,390	$62,650	$65,010	$67,120	$69,120	$71,230	$73,450	$75,810	$78,150	$80,610	$82,920	$85,200
2009 $:	37,800	38,330	38,930	39,540	40,190	40,640	40,980	41,340	41,730	42,150	42,520	42,920	43,190	43,410

Idaho Economics
Winter 2020 County Economic Forecasts

Bear Lake County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	6,100	6,420	5,970	6,020	5,770	5,600	5,540	5,470	5,400
Population per Square Mile	6.2	6.5	6.1	6.1	5.9	5.7	5.6	5.6	5.5
Total Households:	1,990	2,280	2,280	2,010	2,470	2,480	2,530	2,570	2,600
Persons per Household	3.04	2.79	2.59	2.44	2.32	2.23	2.18	2.10	2.06
Employment:									
Total Nonagricultural	1,170	1,510	1,630	1,560	1,790	1,740	1,750	1,750	1,750
Manufacturing:	50	80	40	30	40	40	30	30	30
Services	190	280	410	460	540	510	500	490	480

Bear Lake County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	20	30	20	20	30	40	30	20	30	30	40	50	60	40	40
Manufacturing	50	110	80	60	50	50	70	50	40	40	50	50	50	60	60
Transp., Trade, & Utilities	300	290	400	340	360	400	480	450	410	430	360	350	350	310	310
Information & Financial Activities	80	100	80	80	80	90	80	70	70	70	70	60	60	60	60
Professional & Business Services	10	20	30	30	50	80	110	100	100	100	110	120	120	130	140
Educational & Health Services	30	50	70	80	80	70	70	70	90	100	100	100	90	110	110
Leisure, Hospitality, & Other Svcs.	140	160	180	240	240	230	230	230	220	240	240	280	270	280	210
Government	520	580	630	640	650	640	640	640	650	650	650	650	650	660	670
Total Nonagricultural	1,170	1,340	1,510	1,490	1,540	1,640	1,750	1,690	1,630	1,680	1,630	1,670	1,640	1,640	1,590
Population & Households:															
Population:	6,100	6,470	6,420	6,080	6,070	6,050	6,030	6,010	5,970	5,960	5,890	5,950	5,930	5,880	5,930
Households:	1,990	2,210	2,280	2,310	2,330	2,340	2,320	2,290	2,280	2,270	2,250	2,280	2,310	2,320	2,340
Persons per Household:	2.75	2.71	2.67	2.61	2.58	2.57	2.58	2.61	2.59	2.60	2.59	2.58	2.55	2.51	2.51
Personal Income:	(Millions)														
Current Year $:	$67.9	$90.9	$110.0	$137.9	$140.1	$154.9	$168.9	$169.4	$172.2	$181.7	$197.5	$201.6	$208.3	$212.1	$217.7
2009 $:	100.7	119.1	134.0	155.9	155.0	163.9	168.4	172.0	172.9	175.3	187.9	191.7	196.2	202.2	205.7
Per Capita Personal Income:															
Current Year $:	$11,130	$14,060	$17,340	$23,620	$24,140	$26,260	$27,920	$28,570	$29,470	$30,680	$33,820	$34,620	$35,780	$36,810	$37,940
2009 $:	16,510	18,410	20,860	25,600	25,490	27,050	27,910	28,570	28,990	29,460	31,880	32,250	32,900	33,790	34,330

Bear Lake County

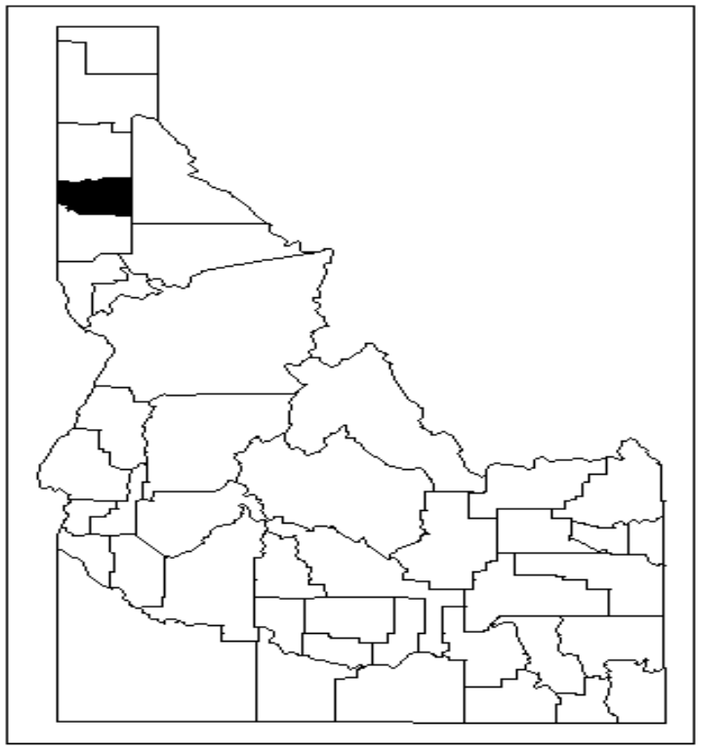
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	50	50	50	30	40	50	50	50	50	50	50	50	50	50
Manufacturing	60	60	60	30	40	40	40	40	40	40	40	40	40	40
Transp., Trade, & Utilities	320	310	320	300	360	360	370	370	340	330	330	320	320	320
Information & Financial Activities	180	210	270	160	200	200	210	210	200	200	200	190	190	190
Professional & Business Services	110	90	90	90	110	120	120	120	120	110	110	110	110	110
Educational & Health Services	110	90	90	90	110	120	120	120	120	110	110	110	110	110
Leisure, Hospitality, & Other Svcs.	200	200	200	220	270	270	280	280	250	240	240	230	230	230
Government	200	200	200	220	270	270	280	280	250	240	240	230	230	230
Total Nonagricultural	1,610	1,640	1,700	1,560	1,830	1,880	1,920	1,960	1,790	1,780	1,760	1,760	1,750	1,740
Population & Households:														
Population:	6,020	6,040	6,130	6,020	5,930	6,060	6,180	6,300	5,770	5,720	5,680	5,640	5,620	5,600
Households:	2,360	2,380	2,410	2,010	2,440	2,510	2,590	2,670	2,470	2,470	2,480	2,480	2,480	2,480
Persons per Household:	2.52	2.49	2.47	2.44	2.41	2.39	2.37	2.34	2.32	2.30	2.27	2.26	2.25	2.23
Personal Income:	(Millions)													
Current Year $:	$236.0	$245.0	$253.2	$216.7	$268.3	$284.0	$300.3	$317.2	$300.8	$308.5	$316.7	$325.6	$335.6	$346.8
2009 $:	209.5	213.0	215.8	181.7	220.7	228.8	236.7	244.8	227.5	228.8	230.4	232.3	234.7	237.8
Per Capita Personal Income:														
Current Year $:	$39,380	$40,960	$42,490	$36,580	$45,650	$48,780	$52,150	$55,710	$53,460	$55,500	$57,610	$59,770	$62,070	$64,590
2009 $:	34,960	35,610	36,220	30,670	37,550	39,290	41,110	43,000	40,430	41,160	41,910	42,640	43,410	44,290

Bear Lake County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	50	50	50	50	50	60	60	60	60	60	60	60	60	70
Manufacturing	40	40	30	30	30	30	30	30	30	30	30	30	30	30
Transp., Trade, & Utilities	290	290	290	290	290	280	280	280	270	270	270	270	260	260
Information & Financial Activities	70	70	70	70	70	70	70	70	60	60	60	60	60	60
Professional & Business Services	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Educational & Health Services	110	110	110	110	110	110	110	110	110	110	120	120	120	120
Leisure, Hospitality, & Other Svcs.	250	250	250	240	240	240	240	240	230	230	230	230	230	220
Government	790	790	800	800	810	810	820	830	840	840	840	840	850	850
Total Nonagricultural	1,750	1,740	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,740
Population & Households:														
Population:	5,590	5,580	5,570	5,560	5,540	5,530	5,520	5,500	5,480	5,470	5,450	5,430	5,410	5,390
Households:	2,490	2,500	2,500	2,510	2,530	2,540	2,550	2,560	2,570	2,570	2,580	2,590	2,590	2,600
Persons per Household:	2.22	2.21	2.20	2.19	2.18	2.16	2.15	2.13	2.12	2.10	2.09	2.08	2.07	2.06
Personal Income:	(Millions)													
Current Year $:	$358.5	$370.5	$383.9	$397.5	$412.6	$427.6	$442.7	$458.4	$474.9	$492.4	$509.0	$526.8	$546.3	$566.6
2009 $:	240.9	243.9	247.4	250.9	255.1	258.9	262.5	266.1	269.8	273.8	277.0	280.5	284.6	288.7
Per Capita Personal Income:														
Current Year $:	$67,130	$69,710	$72,580	$75,530	$78,820	$82,140	$85,540	$89,100	$92,890	$96,940	$100,850	$105,090	$109,740	$114,620
2009 $:	45,100	45,870	46,780	47,680	48,720	49,730	50,710	51,720	52,770	53,900	54,880	55,950	57,160	58,400

Idaho Economics
Winter 2020 County Economic Forecasts

Benewah County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	7,970	9,190	9,290	10,760	10,490	10,250	10,010	9,730	9,460
Population per Square Mile	10.2	11.8	11.9	13.8	13.5	13.2	12.8	12.5	12.1
Total Households:	3,000	3,610	3,840	3,950	4,040	4,080	4,080	4,080	4,050
Persons per Household	2.61	2.50	2.38	2.69	2.57	2.48	2.42	2.35	2.31
Employment:									
Total Nonagricultural	2,880	3,480	3,390	4,230	4,180	4,080	4,000	3,920	3,840
Manufacturing:	490	540	530	550	530	490	440	390	350
Services	630	980	510	750	750	730	730	710	710

Benewah County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	250	220	260	280	290	270	220	140	310	260	260	260	250	250	290
Manufacturing	490	630	540	630	580	630	570	490	530	480	500	500	550	590	600
Transp., Trade, & Utilities	610	630	750	660	660	700	670	640	630	630	580	580	570	580	580
Information & Financial Activities	150	170	110	100	80	90	90	90	90	90	100	100	100	100	100
Professional & Business Services	60	190	150	60	60	70	60	60	80	90	80	80	110	100	100
Educational & Health Services	190	350	470	260	260	260	240	230	220	210	220	210	210	260	240
Leisure, Hospitality, & Other Svcs.	380	350	360	230	220	210	220	210	210	200	210	200	220	220	240
Government	740	770	840	1,290	1,320	1,350	1,360	1,360	1,380	1,400	1,400	1,350	1,320	1,340	1,330
Total Nonagricultural	2,880	3,320	3,480	3,500	3,460	3,640	3,540	3,360	3,390	3,310	3,290	3,250	3,300	3,410	3,440
Population & Households:															
Population:	7,970	8,810	9,190	9,050	9,260	9,300	9,390	9,290	9,290	9,170	9,130	9,030	9,030	9,000	9,020
Households:	3,000	3,340	3,610	3,770	3,900	3,930	3,950	3,860	3,840	3,790	3,780	3,770	3,820	3,840	3,860
Persons per Household:	2.47	2.44	2.41	2.37	2.34	2.33	2.34	2.37	2.38	2.38	2.38	2.36	2.33	2.31	2.30
Personal Income:	(Millions)														
Current Year $:	$111.6	$155.4	$186.9	$223.0	$237.6	$253.0	$255.6	$245.3	$252.9	$256.9	$264.6	$271.2	$271.5	$296.3	$300.4
2009 $:	165.5	203.5	227.1	259.2	272.3	288.6	283.8	273.9	294.6	296.6	298.7	297.8	307.7	319.8	326.6
Per Capita Personal Income:															
Current Year $:	$14,010	$17,650	$20,550	$26,370	$27,800	$30,090	$30,230	$29,460	$32,260	$33,700	$34,700	$35,290	$36,670	$38,210	$39,590
2009 $:	20,780	23,110	24,710	28,580	29,350	31,000	30,210	29,460	31,740	32,360	32,720	32,880	33,710	35,070	35,830

Benewah County

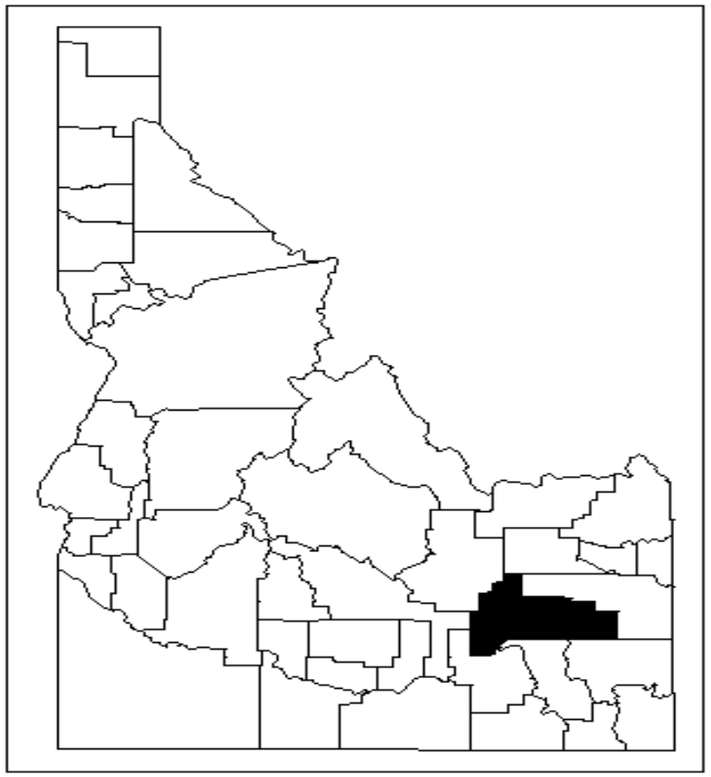
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	280	310	310	890	900	900	900	900	900	900	900	900	900	900
Manufacturing	580	580	570	550	550	550	540	540	530	520	520	510	500	490
Transp., Trade, & Utilities	630	620	630	610	600	600	590	590	580	570	560	550	550	540
Information & Financial Activities	160	150	140	360	360	360	360	360	360	360	360	360	360	360
Professional & Business Services	220	220	230	240	240	240	240	240	240	240	240	240	240	240
Educational & Health Services	220	220	230	240	240	240	240	240	240	240	240	240	240	240
Leisure, Hospitality, & Other Svcs.	140	150	180	140	140	140	140	140	140	130	130	130	130	120
Government	140	150	180	140	140	140	140	140	140	130	130	130	130	120
Total Nonagricultural	3,420	3,460	3,490	4,230	4,220	4,220	4,220	4,210	4,180	4,150	4,130	4,110	4,090	4,080
Population & Households:														
Population:	9,160	9,220	9,300	10,760	10,710	10,660	10,610	10,550	10,490	10,430	10,380	10,330	10,290	10,250
Households:	3,900	3,920	3,940	3,950	3,970	3,990	4,010	4,020	4,040	4,050	4,070	4,080	4,080	4,080
Persons per Household:	2.30	2.28	2.26	2.69	2.66	2.64	2.61	2.59	2.57	2.54	2.52	2.50	2.49	2.48
Personal Income:	(Millions)													
Current Year $:	$375.0	$387.4	$399.5	$410.5	$421.4	$434.5	$448.2	$461.4	$474.0	$486.4	$500.1	$514.1	$529.6	$547.3
2009 $:	332.9	336.9	340.5	344.2	346.7	350.1	353.3	356.1	358.5	360.8	363.8	366.8	370.5	375.3
Per Capita Personal Income:														
Current Year $:	$40,960	$42,030	$42,960	$38,140	$39,340	$40,770	$42,250	$43,720	$45,170	$46,650	$48,190	$49,760	$51,460	$53,410
2009 $:	36,350	36,540	36,620	31,970	32,360	32,840	33,300	33,740	34,170	34,600	35,050	35,500	36,000	36,620

Benewah County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	900	900	900	900	900	910	910	910	910	910	910	910	920	920
Manufacturing	480	470	460	450	440	430	420	410	400	390	380	370	360	350
Transp., Trade, & Utilities	490	490	480	480	480	470	470	460	460	450	450	440	430	430
Information & Financial Activities	110	110	110	110	110	110	110	100	100	100	100	100	100	100
Professional & Business Services	300	300	300	300	300	300	300	300	300	300	290	290	290	290
Educational & Health Services	240	240	250	250	250	240	240	240	250	250	250	250	250	260
Leisure, Hospitality, & Other Svcs.	190	190	180	180	180	180	180	170	170	170	170	170	160	160
Government	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,340	1,340	1,340	1,340
Total Nonagricultural	4,060	4,050	4,040	4,020	4,000	3,980	3,960	3,940	3,930	3,920	3,900	3,880	3,860	3,840
Population & Households:														
Population:	10,210	10,160	10,120	10,070	10,010	9,960	9,900	9,850	9,790	9,730	9,670	9,600	9,540	9,480
Households:	4,080	4,080	4,080	4,080	4,080	4,080	4,090	4,090	4,090	4,080	4,080	4,080	4,070	4,060
Persons per Household:	2.47	2.46	2.45	2.43	2.42	2.41	2.39	2.38	2.36	2.35	2.34	2.32	2.32	2.31
Personal Income:	(Millions)													
Current Year $:	$564.1	$581.5	$600.3	$619.8	$640.5	$661.3	$681.6	$703.3	$725.8	$750.5	$773.3	$798.8	$827.1	$856.4
2009 $:	378.9	382.7	387.0	391.2	396.0	400.4	404.1	408.2	412.3	417.3	420.8	425.3	430.8	436.3
Per Capita Personal Income:														
Current Year $:	$55,260	$57,220	$59,340	$61,570	$63,970	$66,400	$68,830	$71,430	$74,160	$77,160	$80,010	$83,170	$86,690	$90,350
2009 $:	37,120	37,660	38,250	38,860	39,540	40,200	40,810	41,460	42,130	42,900	43,540	44,280	45,160	46,040

Idaho Economics
Winter 2020 County Economic Forecasts

Bingham County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	37,710	41,750	45,770	49,750	50,130	50,290	50,450	50,220	49,910
Population per Square Mile	18.0	19.9	21.8	23.7	23.9	24.0	24.1	24.0	23.8
Total Households:	11,560	13,440	15,000	16,960	17,960	18,870	19,750	20,660	21,290
Persons per Household	3.23	3.08	3.02	2.91	2.77	2.64	2.53	2.41	2.32
Employment:									
Total Nonagricultural	12,080	13,880	14,660	14,110	14,220	13,940	13,760	13,520	13,290
Manufacturing:	2,180	2,400	2,240	2,250	2,230	2,120	1,980	1,810	1,670
Services	2,230	2,510	3,140	3,920	3,970	3,920	3,920	3,900	3,910

Bingham County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,130	830	1,070	1,300	1,390	1,470	1,340	1,040	2,100	2,190	2,310	2,250	2,270	2,190	2,180
Manufacturing	2,180	2,340	2,400	2,110	2,070	2,200	2,460	2,410	2,240	2,250	2,230	2,270	2,200	2,180	2,780
Transp., Trade, & Utilities	2,970	3,080	3,770	2,980	2,900	2,940	2,960	2,890	2,860	2,800	2,800	2,660	2,610	2,560	2,550
Information & Financial Activities	440	570	450	480	450	470	490	460	410	410	420	410	420	410	410
Professional & Business Services	890	1,520	550	430	530	650	640	590	550	560	600	560	510	520	520
Educational & Health Services	540	570	730	890	880	1,180	1,480	1,620	1,530	1,570	1,530	1,490	1,530	1,520	1,530
Leisure, Hospitality, & Other Svcs.	810	1,100	1,230	1,210	1,170	1,350	1,420	1,280	1,060	1,030	1,110	1,130	1,000	1,000	1,020
Government	3,120	3,280	3,680	4,310	4,390	4,230	3,910	4,010	4,150	4,130	4,080	4,080	4,190	4,240	4,080
Total Nonagricultural	12,080	13,290	13,880	13,720	13,770	14,740	15,080	14,860	14,660	14,650	14,800	14,590	14,490	14,390	15,060
Population & Households:															
Population:	37,710	40,700	41,750	43,170	43,400	43,820	44,410	45,090	45,770	45,890	45,510	45,420	45,210	45,060	45,320
Households:	11,560	12,670	13,440	14,510	14,660	14,820	14,900	14,880	15,000	14,990	14,850	14,840	14,840	14,910	15,010
Persons per Household:	3.05	3.02	2.99	2.95	2.94	2.93	2.96	3.00	3.02	3.03	3.04	3.03	3.03	3.02	3.01
Personal Income:	(Millions)														
Current Year $:	$548.4	$671.2	$832.8	$939.2	$1,067.6	$1,167.4	$1,289.6	$1,289.7	$1,322.9	$1,428.9	$1,424.4	$1,464.2	$1,447.4	$1,509.8	$1,539.8
2009 $:	813.3	878.9	1,013.1	1,077.2	1,175.3	1,230.3	1,266.8	1,268.5	1,264.9	1,320.7	1,336.9	1,386.2	1,423.0	1,448.0	1,475.1
Per Capita Personal Income:															
Current Year $:	$14,540	$16,490	$20,170	$22,970	$25,610	$27,210	$28,510	$28,100	$28,130	$29,990	$31,150	$32,740	$34,150	$34,700	$35,710
2009 $:	21,570	21,600	24,260	24,900	27,030	28,030	28,500	28,100	27,670	28,790	29,370	30,500	31,400	31,850	32,320

Bingham County

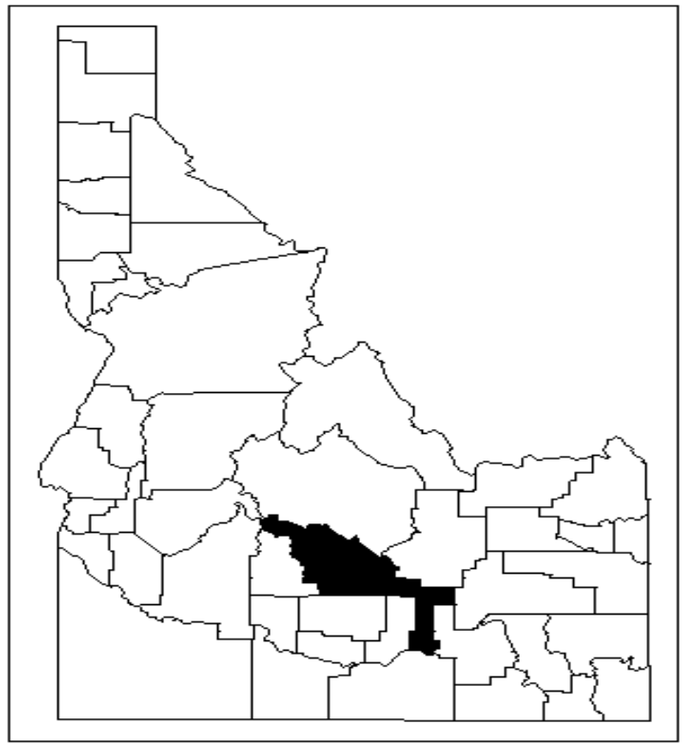
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	2,220	2,240	2,300	2,260	2,300	2,320	2,340	2,350	2,350	2,340	2,340	2,330	2,320	2,310
Manufacturing	2,680	2,490	2,480	2,250	2,250	2,250	2,250	2,240	2,230	2,210	2,200	2,170	2,140	2,120
Transp., Trade, & Utilities	2,620	2,610	2,620	2,070	2,060	2,040	2,020	2,000	1,960	1,940	1,900	1,870	1,850	1,830
Information & Financial Activities	920	960	1,040	1,010	1,020	1,020	1,030	1,030	1,030	1,020	1,020	1,020	1,010	1,010
Professional & Business Services	1,630	1,710	1,730	1,710	1,730	1,750	1,770	1,780	1,790	1,790	1,790	1,800	1,800	1,800
Educational & Health Services	1,630	1,710	1,730	1,710	1,730	1,750	1,770	1,780	1,790	1,790	1,790	1,800	1,800	1,800
Leisure, Hospitality, & Other Svcs.	740	770	860	730	730	720	720	710	690	670	660	650	640	630
Government	740	770	860	730	730	720	720	710	690	670	660	650	640	630
Total Nonagricultural	15,190	15,230	15,500	14,110	14,140	14,200	14,250	14,260	14,220	14,140	14,070	14,010	13,960	13,940
Population & Households:														
Population:	45,880	46,130	46,810	49,750	49,830	49,920	50,010	50,080	50,130	50,170	50,180	50,200	50,240	50,290
Households:	15,160	15,300	15,450	16,960	17,160	17,360	17,570	17,770	17,960	18,150	18,350	18,520	18,700	18,870
Persons per Household:	3.00	2.97	2.94	2.91	2.88	2.85	2.82	2.79	2.77	2.74	2.71	2.69	2.66	2.64
Personal Income:	(Millions)													
Current Year $:	$1,703.0	$1,772.2	$1,836.6	$1,900.7	$1,962.6	$2,027.7	$2,095.6	$2,165.5	$2,233.8	$2,303.8	$2,372.2	$2,440.2	$2,514.6	$2,596.0
2009 $:	1,511.6	1,541.0	1,565.5	1,593.4	1,614.5	1,633.5	1,651.8	1,671.3	1,689.7	1,708.7	1,725.6	1,740.9	1,758.9	1,780.0
Per Capita Personal Income:														
Current Year $:	$37,120	$38,420	$39,230	$38,210	$39,380	$40,620	$41,900	$43,240	$44,560	$45,920	$47,270	$48,610	$50,050	$51,620
2009 $:	32,940	33,410	33,440	32,030	32,400	32,720	33,030	33,370	33,700	34,060	34,380	34,680	35,010	35,400

Bingham County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,310	2,300	2,300	2,300	2,300	2,310	2,310	2,310	2,310	2,310	2,320	2,320	2,330	2,340
Manufacturing	2,100	2,070	2,040	2,010	1,980	1,950	1,920	1,880	1,850	1,810	1,780	1,750	1,730	1,700
Transp., Trade, & Utilities	1,800	1,790	1,780	1,770	1,750	1,740	1,710	1,690	1,670	1,660	1,630	1,610	1,580	1,550
Information & Financial Activities	420	420	410	410	400	390	380	380	370	370	360	350	350	340
Professional & Business Services	610	610	610	610	610	610	610	600	600	600	590	590	580	580
Educational & Health Services	1,810	1,830	1,840	1,850	1,850	1,840	1,840	1,850	1,870	1,880	1,900	1,920	1,940	1,960
Leisure, Hospitality, & Other Svcs.	1,500	1,490	1,480	1,470	1,460	1,450	1,440	1,430	1,420	1,420	1,400	1,390	1,380	1,370
Government	3,350	3,370	3,380	3,390	3,400	3,410	3,420	3,430	3,440	3,480	3,460	3,470	3,480	3,480
Total Nonagricultural	13,900	13,880	13,840	13,800	13,760	13,700	13,630	13,570	13,540	13,520	13,450	13,410	13,360	13,300
Population & Households:														
Population:	50,360	50,420	50,460	50,460	50,450	50,420	50,390	50,340	50,280	50,220	50,150	50,070	49,980	49,890
Households:	19,040	19,210	19,390	19,570	19,750	19,930	20,120	20,310	20,490	20,660	20,830	21,010	21,150	21,280
Persons per Household:	2.62	2.60	2.58	2.56	2.53	2.51	2.48	2.46	2.43	2.41	2.39	2.36	2.34	2.32
Personal Income:	(Millions)													
Current Year $:	$2,680.4	$2,766.7	$2,858.5	$2,952.0	$3,053.0	$3,154.8	$3,255.2	$3,359.9	$3,471.0	$3,585.5	$3,698.3	$3,815.4	$3,943.1	$4,075.5
2009 $:	1,800.5	1,820.8	1,842.6	1,863.3	1,887.3	1,910.1	1,929.9	1,950.2	1,971.8	1,993.6	2,012.5	2,031.5	2,054.0	2,076.6
Per Capita Personal Income:														
Current Year $:	$53,230	$54,870	$56,650	$58,500	$60,520	$62,570	$64,600	$66,750	$69,030	$71,400	$73,750	$76,200	$78,890	$81,700
2009 $:	35,750	36,110	36,520	36,920	37,410	37,880	38,300	38,740	39,210	39,700	40,130	40,580	41,100	41,630

Idaho Economics
Winter 2020 County Economic Forecasts

Blaine County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	13,830	19,120	21,300	23,370	25,330	26,860	28,370	29,980	31,500
Population per Square Mile	5.2	7.2	8.1	8.8	9.6	10.2	10.7	11.3	11.9
Total Households:	5,560	7,860	8,830	9,950	10,850	11,510	12,090	12,810	13,430
Persons per Household	2.47	2.41	2.39	2.33	2.32	2.31	2.33	2.32	2.33
Employment:									
Total Nonagricultural	8,110	11,670	11,700	8,930	10,170	10,740	11,380	12,120	12,790
Manufacturing:	190	360	390	370	410	420	420	400	400
Services	3,470	5,620	5,690	3,630	4,460	4,870	5,330	5,860	6,350

Blaine County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,030	970	1,120	1,410	1,550	1,530	1,420	830	1,380	1,300	1,240	1,310	1,420	1,680	1,640
Manufacturing	190	270	360	520	460	480	480	410	390	380	400	430	430	440	420
Transp., Trade, & Utilities	1,500	1,640	2,180	2,330	2,320	2,370	2,320	2,050	1,830	1,860	1,890	1,920	1,860	1,890	1,930
Information & Financial Activities	830	1,080	930	1,200	1,220	1,260	1,210	1,080	940	910	890	710	710	700	730
Professional & Business Services	600	1,060	1,910	1,980	1,940	1,980	1,910	1,530	1,420	1,430	1,430	1,400	1,480	1,590	1,570
Educational & Health Services	360	430	530	910	870	920	1,000	990	880	910	960	1,050	1,070	1,050	1,090
Leisure, Hospitality, & Other Svcs.	2,510	3,090	3,180	3,560	3,630	3,650	3,740	3,500	3,390	3,430	3,400	3,120	3,490	3,560	3,670
Government	1,090	1,290	1,450	1,360	1,480	1,490	1,510	1,520	1,540	1,530	1,500	1,490	1,490	1,490	1,420
Total Nonagricultural	8,110	9,820	11,670	13,250	13,470	13,920	13,930	12,350	11,700	11,690	11,660	11,400	11,920	12,350	12,460
Population & Households:															
Population:	13,830	17,130	19,120	20,900	21,080	21,170	21,480	21,590	21,300	21,080	21,130	21,330	21,460	21,640	22,060
Households:	5,560	6,890	7,860	8,780	8,880	8,900	8,920	8,810	8,830	8,730	8,750	8,850	8,970	9,100	9,250
Persons per Household:	2.40	2.39	2.38	2.37	2.36	2.36	2.39	2.43	2.39	2.40	2.40	2.39	2.38	2.37	2.35
Personal Income:	(Millions)														
Current Year $:	$338	$550	$918	$1,281	$1,464	$1,523	$1,659	$1,415	$1,287	$1,422	$1,609	$1,700	$1,847	$1,991	$0
2009 $:	502	720	1,040	1,266	1,387	1,386	1,456	1,255	1,147	1,213	1,341	1,341	1,385	1,449	1,479
Per Capita Personal Income:															
Current Year $:	$24,470	$32,080	$45,250	$55,800	$62,210	$63,460	$67,770	$58,070	$54,790	$59,890	$67,240	$67,470	$70,070	$72,670	$74,420
2009 $:	36,280	42,010	54,420	60,470	65,670	65,360	67,730	58,060	53,900	57,510	63,390	62,860	64,420	66,700	67,350

Blaine County

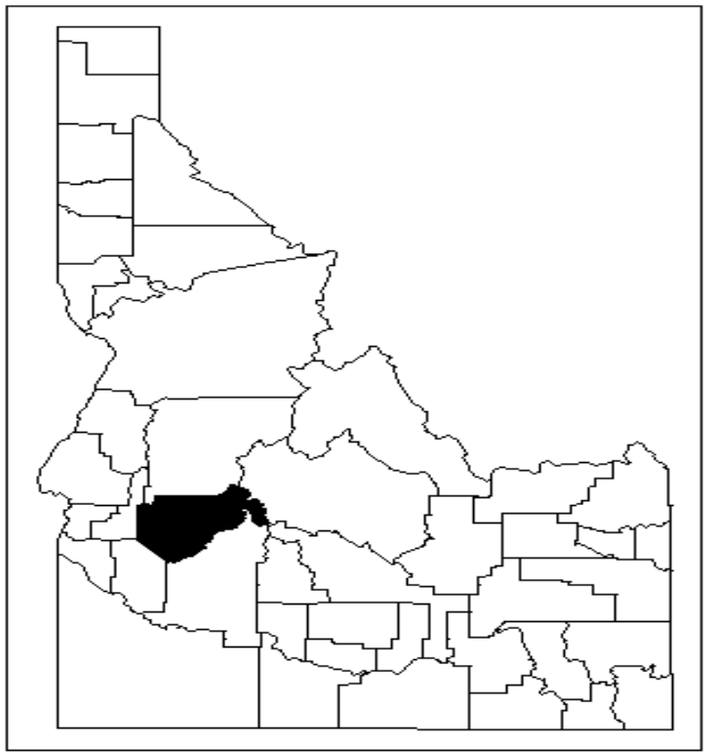
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,830	1,920	1,950	1,850	1,860	1,860	1,860	1,850	1,840	1,810	1,790	1,770	1,740	1,720
Manufacturing	420	390	370	370	360	380	390	400	410	420	420	420	420	420
Transp., Trade, & Utilities	2,090	2,120	2,060	1,530	1,560	1,590	1,620	1,640	1,670	1,700	1,710	1,720	1,730	1,740
Information & Financial Activities	2,250	2,220	2,200	1,530	1,500	1,580	1,650	1,730	1,800	1,860	1,930	1,970	2,010	2,050
Professional & Business Services	1,130	1,190	1,180	1,140	1,170	1,210	1,250	1,290	1,330	1,360	1,390	1,410	1,430	1,450
Educational & Health Services	1,130	1,190	1,180	1,140	1,170	1,210	1,250	1,290	1,330	1,360	1,390	1,410	1,430	1,450
Leisure, Hospitality, & Other Svcs.	3,330	3,340	3,250	750	810	880	930	970	960	950	940	960	970	980
Government	3,330	3,340	3,250	750	810	880	930	970	960	950	940	960	970	980
Total Nonagricultural	12,920	13,030	12,920	8,930	9,210	9,480	9,740	9,980	10,170	10,310	10,440	10,530	10,630	10,740
Population & Households:														
Population:	22,370	22,770	23,020	23,370	23,750	24,140	24,530	24,930	25,330	25,720	26,050	26,340	26,600	26,860
Households:	9,410	9,630	9,850	9,950	10,130	10,300	10,480	10,670	10,850	11,040	11,200	11,320	11,420	11,510
Persons per Household:	2.34	2.33	2.33	2.33	2.33	2.32	2.32	2.32	2.32	2.31	2.31	2.31	2.31	2.31
Personal Income:	(Millions)													
Current Year $:	$1,705	$1,794	$1,887	$1,998	$2,102	$2,221	$2,344	$2,471	$2,603	$2,740	$2,876	$3,007	$3,142	$3,288
2009 $:	1,513.3	1,560.3	1,608.9	1,675.2	1,729.1	1,788.9	1,847.4	1,907.4	1,968.9	2,032.4	2,092.2	2,145.3	2,197.6	2,254.4
Per Capita Personal Income:														
Current Year $:	$76,210	$78,810	$81,990	$85,520	$88,490	$92,000	$95,550	$99,130	$102,770	$106,550	$110,400	$114,170	$118,090	$122,400
2009 $:	67,640	68,520	69,890	71,700	72,800	74,110	75,320	76,510	77,730	79,020	80,310	81,450	82,600	83,930

Blaine County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,700	1,680	1,670	1,660	1,650	1,640	1,640	1,630	1,630	1,620	1,620	1,620	1,620	1,620
Manufacturing	420	420	420	420	420	420	410	410	410	400	400	400	400	400
Transp., Trade, & Utilities	1,500	1,520	1,530	1,550	1,570	1,580	1,590	1,600	1,610	1,630	1,640	1,640	1,650	1,650
Information & Financial Activities	540	540	550	550	560	560	560	560	560	560	570	570	570	570
Professional & Business Services	1,800	1,830	1,870	1,910	1,970	2,010	2,040	2,050	2,080	2,110	2,130	2,150	2,180	2,200
Educational & Health Services	1,480	1,510	1,540	1,560	1,580	1,600	1,620	1,660	1,700	1,740	1,780	1,830	1,880	1,930
Leisure, Hospitality, & Other Svcs.	1,660	1,690	1,720	1,750	1,780	1,820	1,860	1,900	1,960	2,020	2,050	2,090	2,120	2,140
Government	1,730	1,760	1,790	1,820	1,850	1,880	1,920	1,960	1,990	2,040	2,060	2,100	2,140	2,190
Total Nonagricultural	10,830	10,940	11,080	11,220	11,380	11,510	11,640	11,770	11,930	12,120	12,250	12,410	12,560	12,710
Population & Households:														
Population:	27,120	27,400	27,700	28,040	28,370	28,700	29,020	29,340	29,660	29,980	30,300	30,610	30,920	31,230
Households:	11,600	11,700	11,810	11,950	12,090	12,240	12,380	12,530	12,670	12,810	12,950	13,090	13,200	13,320
Persons per Household:	2.32	2.32	2.33	2.33	2.33	2.33	2.33	2.32	2.32	2.32	2.32	2.32	2.32	2.33
Personal Income:	(Millions)													
Current Year $:	$3,437	$3,593	$3,767	$3,951	$4,150	$4,356	$4,566	$4,792	$5,028	$5,287	$5,552	$5,841	$6,155	$6,486
2009 $:	2,309	2,365	2,428	2,494	2,566	2,637	2,707	2,781	2,856	2,940	3,021	3,110	3,206	3,305
Per Capita Personal Income:														
Current Year $:	$126,740	$131,170	$135,990	$140,910	$146,300	$151,790	$157,340	$163,300	$169,500	$176,340	$183,250	$190,810	$199,050	$207,660
2009 $:	85,140	86,320	87,660	88,940	90,440	91,900	93,290	94,780	96,290	98,050	99,720	101,600	103,690	105,810

Idaho Economics
Winter 2020 County Economic Forecasts

Boise County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,590	6,700	7,010	8,990	10,660	10,760	11,080	11,430	12,100
Population per Square Mile	1.9	3.5	3.7	4.7	5.6	5.7	5.8	6.0	6.4
Total Households:	1,370	2,650	2,980	4,640	4,560	4,620	4,760	4,940	5,230
Persons per Household	2.59	2.51	2.33	1.92	2.32	2.31	2.31	2.30	2.30
Employment:									
Total Nonagricultural	880	1,290	1,540	2,130	2,570	2,630	2,770	2,910	3,060
Manufacturing:	30	20	10	100	110	110	110	110	110
Services	340	480	700	820	1,040	1,070	1,150	1,230	1,320

Boise County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	130	190	180	170	200	190	110	70	110	110	140	140	150	140	170
Manufacturing	30	30	20	50	40	50	40	20	10	10	20	20	20	30	20
Transp., Trade, & Utilities	50	100	100	190	190	200	200	180	180	200	210	190	180	170	180
Information & Financial Activities	10	10	10	30	30	40	30	20	20	20	20	20	20	20	20
Professional & Business Services	10	30	70	60	100	130	100	80	60	60	70	80	50	50	80
Educational & Health Services	30	40	60	70	60	50	60	50	60	50	50	60	60	70	60
Leisure, Hospitality, & Other Svcs.	300	470	350	500	540	540	560	630	580	560	560	560	590	540	520
Government	330	450	500	540	530	510	530	560	560	510	500	470	480	490	490
Total Nonagricultural	880	1,310	1,290	1,600	1,690	1,710	1,620	1,600	1,540	1,510	1,540	1,520	1,520	1,480	1,520
Population & Households:															
Population:	3,590	5,210	6,700	6,980	7,150	7,230	7,150	7,050	7,010	6,990	6,790	6,720	6,780	6,960	7,100
Households:	1,370	2,010	2,650	3,010	3,120	3,170	3,130	3,030	2,980	2,970	2,890	2,850	2,870	2,850	2,830
Persons per Household:	2.46	2.42	2.37	2.31	2.27	2.25	2.26	2.30	2.33	2.34	2.33	2.34	2.35	2.35	2.35
Personal Income:	(Millions)														
Current Year $:	$52.6	$97.7	$147.1	$192.4	$202.2	$208.0	$217.2	$209.3	$212.9	$220.3	$222.5	$229.7	$242.2	$257.7	$270.9
2009 $:	78.0	127.9	178.6	219.8	235.0	251.2	248.6	236.5	244.8	248.9	250.8	251.5	259.4	262.5	262.7
Per Capita Personal Income:															
Current Year $:	$14,650	$18,760	$22,050	$23,390	$23,580	$25,020	$25,710	$28,890	$31,010	$33,670	$34,760	$33,500	$35,360	$36,890	$39,000
2009 $:	21,730	24,570	26,520	27,600	27,470	28,570	28,650	31,310	32,730	34,670	34,740	33,500	34,790	35,430	36,770

Boise County

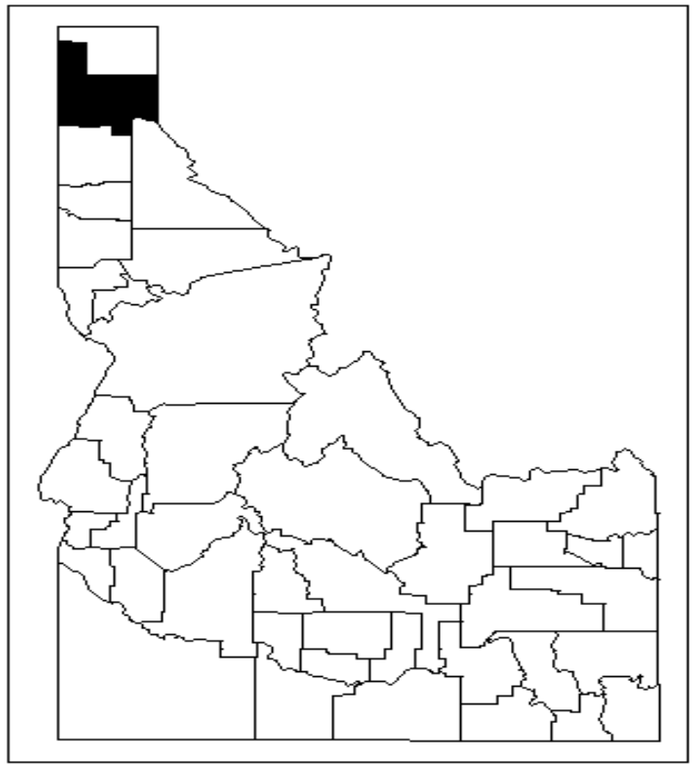
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	180	210	220	520	580	600	610	630	600	600	600	610	610	610
Manufacturing	30	40	40	100	110	110	110	120	110	110	110	110	110	110
Transp., Trade, & Utilities	170	160	170	170	190	190	200	200	190	190	190	190	190	190
Information & Financial Activities	110	130	150	140	180	190	200	210	190	190	190	190	200	200
Professional & Business Services	60	60	70	60	70	70	80	80	80	80	80	80	90	90
Educational & Health Services	60	60	70	60	70	70	80	80	80	80	80	80	90	90
Leisure, Hospitality, & Other Svcs.	500	530	580	590	700	730	760	780	730	730	740	740	740	740
Government	500	530	580	590	700	730	760	780	730	730	740	740	740	740
Total Nonagricultural	1,530	1,630	1,740	2,130	2,480	2,560	2,650	2,730	2,570	2,580	2,600	2,610	2,620	2,630
Population & Households:														
Population:	7,350	7,660	7,830	8,990	10,520	10,790	11,070	11,360	10,660	10,680	10,700	10,720	10,740	10,760
Households:	2,820	2,830	2,840	4,640	4,510	4,510	4,500	4,500	4,560	4,580	4,590	4,600	4,610	4,620
Persons per Household:	2.34	2.33	2.33	1.92	2.31	2.37	2.44	2.51	2.32	2.32	2.32	2.31	2.31	2.31
Personal Income:	(Millions)													
Current Year $:	$300.8	$313.9	$327.4	$284.9	$357.5	$384.5	$414.5	$447.3	$433.5	$455.3	$476.3	$497.1	$519.1	$543.9
2009 $:	267.0	272.9	279.0	238.8	294.1	309.7	326.7	345.2	327.9	337.7	346.5	354.7	363.1	373.0
Per Capita Personal Income:														
Current Year $:	$40,950	$41,000	$41,800	$31,670	$33,990	$35,640	$37,450	$39,370	$40,680	$42,620	$44,500	$46,360	$48,330	$50,540
2009 $:	36,340	35,650	35,630	26,550	27,960	28,710	29,520	30,390	30,770	31,610	32,370	33,080	33,800	34,660

Boise County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	610	610	620	620	620	630	630	630	640	640	650	650	660	660
Manufacturing	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Transp., Trade, & Utilities	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Information & Financial Activities	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Professional & Business Services	190	190	190	200	200	200	200	200	210	210	210	210	210	220
Educational & Health Services	90	90	100	100	100	100	100	110	110	110	120	120	130	130
Leisure, Hospitality, & Other Svcs.	810	820	830	840	850	860	880	890	900	910	930	940	950	960
Government	640	650	660	670	670	680	690	690	700	720	720	730	730	740
Total Nonagricultural	2,650	2,680	2,710	2,740	2,770	2,790	2,820	2,840	2,870	2,910	2,940	2,970	3,000	3,030
Population & Households:														
Population:	10,820	10,880	10,940	11,010	11,080	11,150	11,220	11,290	11,360	11,430	11,500	11,570	11,640	11,710
Households:	4,640	4,670	4,690	4,730	4,760	4,790	4,830	4,870	4,900	4,940	4,970	5,010	5,030	5,060
Persons per Household:	2.31	2.31	2.31	2.31	2.31	2.31	2.30	2.30	2.30	2.30	2.30	2.29	2.29	2.30
Personal Income:	(Millions)													
Current Year $:	$568.0	$594.4	$622.5	$651.9	$683.9	$716.5	$748.9	$783.9	$821.4	$863.5	$903.0	$946.7	$993.2	$1,042.4
2009 $:	381.6	391.2	401.3	411.5	422.8	433.8	444.0	455.0	466.6	480.1	491.4	504.1	517.4	531.1
Per Capita Personal Income:														
Current Year $:	$44,500	$46,360	$48,330	$50,540	$52,510	$54,640	$56,880	$59,200	$61,710	$64,250	$66,740	$69,430	$72,300	$75,540
2009 $:	32,370	33,080	33,800	34,660	35,270	35,960	36,660	37,360	38,150	38,900	39,570	40,300	41,070	42,000

Idaho Economics
Winter 2020 County Economic Forecasts

Bonner County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	26,840	36,950	40,900	50,210	55,050	59,350	63,720	68,200	72,210
Population per Square Mile	15.4	21.3	23.5	28.9	31.7	34.2	36.7	39.2	41.6
Total Households:	10,320	14,840	17,110	20,650	21,850	22,920	24,090	25,450	26,570
Persons per Household	2.56	2.45	2.35	2.40	2.48	2.55	2.61	2.64	2.68
Employment:									
Total Nonagricultural	8,660	12,100	12,890	15,680	17,350	18,470	19,690	21,010	22,240
Manufacturing:	1,570	1,480	1,880	1,620	1,900	2,020	2,070	2,080	2,100
Services	2,450	3,710	4,040	5,260	5,860	6,250	6,750	7,310	7,890

Bonner County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	550	570	630	890	1,010	1,000	840	560	1,080	1,010	880	950	1,000	1,040	1,010
Manufacturing	1,570	1,580	1,480	2,150	2,260	2,320	2,150	1,900	1,880	1,860	1,970	2,010	2,040	2,140	2,280
Transp., Trade, & Utilities	1,640	2,240	3,160	3,120	3,060	3,280	3,120	2,910	2,840	2,770	2,740	2,840	2,740	2,650	2,700
Information & Financial Activities	570	870	630	810	800	840	810	730	700	680	610	610	570	620	670
Professional & Business Services	250	570	760	880	800	930	850	700	740	710	730	730	700	710	670
Educational & Health Services	610	710	960	1,240	1,300	1,270	1,200	1,200	1,140	1,140	1,150	1,250	1,290	1,360	1,430
Leisure, Hospitality, & Other Svcs.	1,590	2,010	2,000	2,170	2,230	2,360	2,540	2,450	2,170	2,080	2,120	2,130	2,150	2,200	2,320
Government	1,880	2,110	2,480	2,390	2,460	2,450	2,410	2,410	2,410	2,360	2,330	2,300	2,370	2,400	2,390
Total Nonagricultural	8,660	10,650	12,100	13,650	13,910	14,720	14,120	13,360	12,890	12,550	12,490	12,790	12,840	13,050	13,480
Population & Households:															
Population:	26,840	33,250	36,950	39,580	40,130	40,740	40,970	40,810	40,900	40,780	40,350	40,530	41,290	41,600	42,360
Households:	10,320	12,860	14,840	16,730	17,110	17,440	17,430	17,140	17,110	17,010	16,820	16,930	17,330	17,480	17,670
Persons per Household:	2.43	2.40	2.37	2.33	2.31	2.30	2.32	2.35	2.35	2.36	2.37	2.37	2.37	2.36	2.36
Personal Income:	(Millions)														
Current Year $:	$358	$554	$783	$1,065	$1,186	$1,249	$1,248	$1,202	$1,202	$1,276	$1,306	$1,327	$1,400	$1,489	$1,555
2009 $:	531	726	955	1,193	1,292	1,341	1,282	1,235	1,225	1,294	1,300	1,323	1,358	1,420	1,458
Per Capita Personal Income:															
Current Year $:	$13,340	$16,670	$21,490	$27,760	$30,440	$31,900	$31,290	$30,220	$30,440	$33,010	$34,060	$34,850	$35,480	$36,880	$38,060
2009 $:	19,790	21,830	25,850	30,090	32,130	32,850	31,280	30,210	29,950	31,700	32,110	32,470	32,620	33,850	34,440

Bonner County

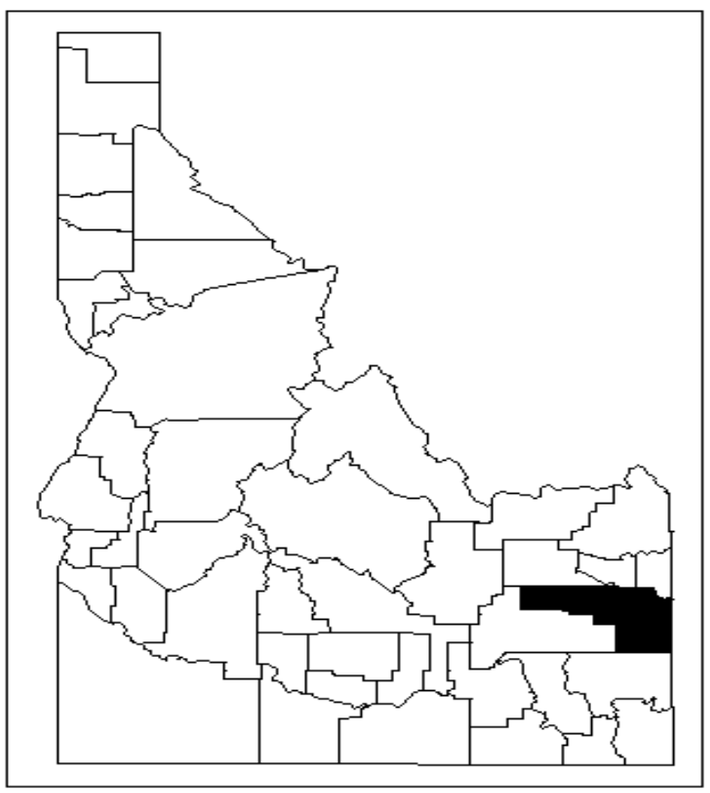
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,100	1,210	1,300	4,330	4,370	4,400	4,430	4,460	4,480	4,500	4,520	4,540	4,550	4,570
Manufacturing	2,280	2,230	2,120	1,620	1,680	1,740	1,790	1,850	1,900	1,940	1,970	1,980	1,990	2,020
Transp., Trade, & Utilities	2,910	2,960	3,010	2,680	2,740	2,790	2,830	2,870	2,910	2,950	2,970	2,990	3,030	3,050
Information & Financial Activities	1,210	1,340	1,330	1,030	1,060	1,100	1,140	1,180	1,220	1,250	1,280	1,310	1,340	1,360
Professional & Business Services	1,470	1,480	1,600	1,160	1,210	1,260	1,320	1,380	1,430	1,470	1,510	1,550	1,590	1,630
Educational & Health Services	1,470	1,480	1,600	1,160	1,210	1,260	1,320	1,380	1,430	1,470	1,510	1,550	1,590	1,630
Leisure, Hospitality, & Other Svcs.	2,000	2,130	2,220	2,080	2,120	2,160	2,200	2,220	2,210	2,210	2,210	2,230	2,240	2,250
Government	2,000	2,130	2,220	2,080	2,120	2,160	2,200	2,220	2,210	2,210	2,210	2,230	2,240	2,250
Total Nonagricultural	13,840	14,210	14,510	15,680	16,010	16,370	16,730	17,060	17,350	17,590	17,810	18,030	18,240	18,470
Population & Households:														
Population:	43,650	44,710	45,740	50,210	51,140	52,090	53,060	54,060	55,050	56,030	56,910	57,760	58,560	59,350
Households:	18,110	18,490	18,880	20,650	20,900	21,140	21,390	21,630	21,850	22,070	22,250	22,500	22,720	22,920
Persons per Household:	2.35	2.36	2.37	2.40	2.41	2.43	2.45	2.46	2.48	2.50	2.52	2.53	2.54	2.55
Personal Income:	(Millions)													
Current Year $:	$1,690	$1,785	$1,881	$1,997	$2,104	$2,228	$2,360	$2,496	$2,635	$2,780	$2,924	$3,069	$3,219	$3,379
2009 $:	1,500	1,552	1,603	1,674	1,731	1,795	1,860	1,927	1,993	2,062	2,127	2,189	2,251	2,317
Per Capita Personal Income:														
Current Year $:	$38,700	$39,920	$41,130	$39,770	$41,150	$42,780	$44,480	$46,180	$47,870	$49,630	$51,380	$53,130	$54,960	$56,930
2009 $:	34,350	34,710	35,060	33,340	33,850	34,460	35,060	35,640	36,210	36,810	37,380	37,910	38,440	39,040

Bonner County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	4,590	4,600	4,620	4,640	4,670	4,690	4,720	4,740	4,760	4,790	4,810	4,840	4,870	4,900
Manufacturing	2,030	2,040	2,050	2,060	2,070	2,080	2,080	2,080	2,080	2,080	2,090	2,090	2,100	2,110
Transp., Trade, & Utilities	2,730	2,770	2,820	2,860	2,900	2,940	2,970	3,000	3,040	3,070	3,110	3,130	3,150	3,170
Information & Financial Activities	740	750	760	760	770	780	780	790	790	800	810	810	820	820
Professional & Business Services	1,010	1,020	1,050	1,070	1,100	1,130	1,140	1,150	1,170	1,190	1,200	1,220	1,240	1,250
Educational & Health Services	1,670	1,720	1,770	1,820	1,860	1,900	1,940	2,000	2,070	2,130	2,210	2,290	2,370	2,450
Leisure, Hospitality, & Other Svcs.	3,660	3,700	3,730	3,750	3,780	3,820	3,860	3,890	3,940	3,990	4,020	4,050	4,080	4,110
Government	2,250	2,320	2,390	2,450	2,530	2,610	2,690	2,770	2,850	2,960	3,020	3,110	3,200	3,290
Total Nonagricultural	18,680	18,930	19,180	19,430	19,690	19,940	20,180	20,420	20,700	21,010	21,270	21,550	21,830	22,110
Population & Households:														
Population:	60,190	61,040	61,910	62,820	63,720	64,610	65,510	66,410	67,300	68,200	69,100	69,990	70,890	71,790
Households:	23,120	23,330	23,570	23,830	24,090	24,360	24,640	24,910	25,190	25,450	25,710	25,970	26,190	26,410
Persons per Household:	2.57	2.58	2.59	2.60	2.61	2.61	2.62	2.63	2.63	2.64	2.65	2.66	2.67	2.68
Personal Income:	(Millions)													
Current Year $:	$3,548	$3,724	$3,916	$4,120	$4,343	$4,573	$4,809	$5,061	$5,330	$5,617	$5,913	$6,230	$6,577	$6,942
2009 $:	2,384	2,451	2,524	2,601	2,685	2,769	2,851	2,938	3,028	3,123	3,218	3,317	3,426	3,537
Per Capita Personal Income:														
Current Year $:	$58,950	$61,010	$63,250	$65,590	$68,160	$70,770	$73,410	$76,210	$79,190	$82,370	$85,580	$89,020	$92,770	$96,700
2009 $:	39,600	40,150	40,770	41,400	42,130	42,850	43,520	44,240	44,990	45,800	46,570	47,400	48,330	49,270

Idaho Economics
Winter 2020 County Economic Forecasts

Bonneville County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	72,930	82,970	104,680	123,800	140,750	159,370	180,610	204,660	230,000
Population per Square Mile	39.0	44.4	56.0	66.3	75.3	85.3	96.7	109.5	123.1
Total Households:	24,290	29,020	36,990	43,290	46,880	50,450	54,050	58,260	62,700
Persons per Household	2.96	2.82	2.79	2.82	2.96	3.11	3.29	3.46	3.61
Employment:									
Total Nonagricultural	26,080	38,120	43,070	50,710	58,500	65,200	72,570	80,140	87,670
Manufacturing:	1,400	2,050	2,080	5,430	5,770	5,950	6,070	6,130	6,170
Services	10,330	15,510	17,630	19,350	24,000	28,060	32,300	36,680	41,460

Bonneville County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,490	1,810	2,200	2,720	3,210	3,510	3,180	2,420	3,190	2,660	2,660	2,720	2,920	3,300	3,470
Manufacturing	1,400	1,610	2,050	2,340	2,470	2,490	2,430	2,080	2,080	2,160	2,480	2,590	2,770	3,090	2,820
Transp., Trade, & Utilities	6,880	9,260	10,580	11,880	12,300	12,170	12,170	11,490	11,360	11,590	11,710	11,870	12,110	12,750	12,320
Information & Financial Activities	1,950	2,030	2,430	2,970	3,240	3,190	3,490	3,260	2,970	2,840	2,700	2,620	2,580	2,590	2,650
Professional & Business Services	4,040	5,120	5,460	8,930	9,100	5,280	5,070	4,790	4,560	4,450	4,310	4,850	4,840	4,720	5,790
Educational & Health Services	2,750	3,770	4,640	6,360	6,500	6,820	7,070	7,310	7,440	7,600	7,690	7,980	8,250	8,350	8,710
Leisure, Hospitality, & Other Svcs.	3,550	4,860	5,400	5,970	6,160	6,470	6,440	6,250	5,630	5,770	5,890	6,140	6,290	6,570	6,910
Government	4,030	5,070	5,340	5,410	5,420	5,630	5,790	5,890	5,880	5,780	5,820	5,830	5,870	5,940	5,980
Total Nonagricultural	26,080	33,530	38,120	46,580	48,400	45,850	45,630	43,330	43,070	42,760	43,200	44,560	45,630	47,550	48,940
Population & Households:															
Population:	72,930	79,500	82,970	91,710	94,760	97,890	100,810	103,020	104,680	105,810	106,760	107,370	108,240	109,850	112,120
Households:	24,290	27,250	29,020	33,410	34,640	35,750	36,410	36,470	36,990	37,730	37,700	38,500	38,960	39,340	39,830
Persons per Household:	2.79	2.76	2.73	2.71	2.71	2.71	2.73	2.79	2.79	2.76	2.79	2.75	2.75	2.75	2.75
Personal Income:	(Millions)														
Current Year $:	$1,252	$1,605	$2,081	$3,010	$3,328	$3,569	$3,683	$3,548	$3,613	$3,751	$3,968	$4,004	$4,166	$4,579	$4,795
2009 $:	1,857	2,102	2,081	3,010	3,328	3,569	3,683	3,548	3,613	3,751	3,968	4,004	4,166	4,579	4,795
Per Capita Personal Income:															
Current Year $:	$17,170	$20,190	$24,850	$31,990	$33,800	$34,930	$35,710	$34,650	$34,590	$36,210	$37,700	$38,550	$40,370	$41,930	$43,490
2009 $:	25,460	26,440	29,890	34,660	35,680	35,980	35,690	34,650	34,030	34,770	35,540	35,920	37,110	38,490	39,350

Bonneville County

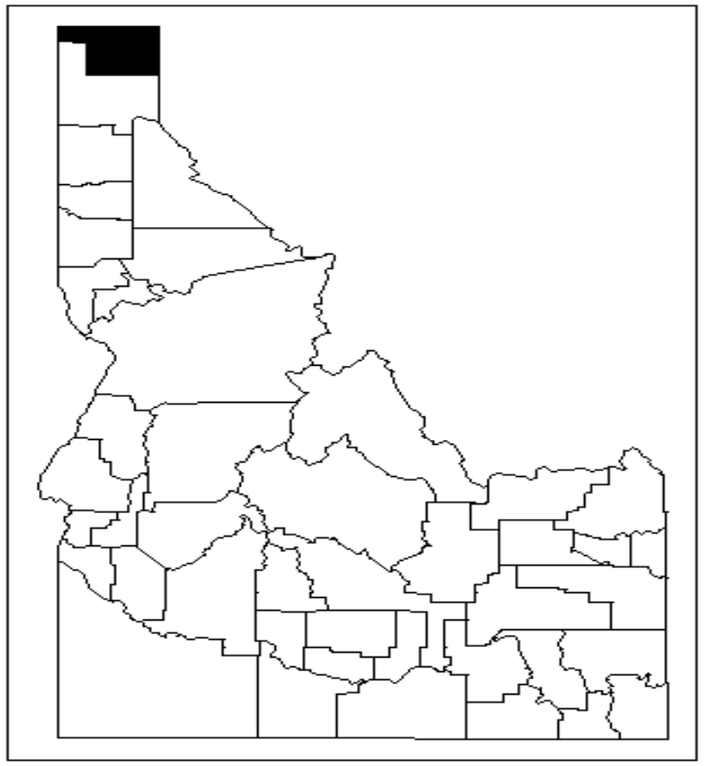
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	3,600	3,800	4,040	11,260	11,440	11,600	11,750	11,890	12,010	12,110	12,230	12,340	12,440	12,560
Manufacturing	2,910	3,230	3,380	5,430	5,500	5,580	5,640	5,710	5,770	5,810	5,860	5,880	5,910	5,950
Transp., Trade, & Utilities	13,160	13,330	13,180	7,590	7,870	8,120	8,360	8,550	8,700	8,880	9,030	9,180	9,410	9,600
Information & Financial Activities	7,770	7,820	8,250	4,170	4,630	5,090	5,560	6,060	6,510	6,950	7,490	7,880	8,290	8,670
Professional & Business Services	9,140	9,570	10,250	9,680	10,030	10,390	10,770	11,130	11,480	11,790	12,070	12,400	12,740	13,040
Educational & Health Services	9,140	9,570	10,250	9,680	10,030	10,390	10,770	11,130	11,480	11,790	12,070	12,400	12,740	13,040
Leisure, Hospitality, & Other Svcs.	5,810	6,150	6,350	5,870	6,030	6,190	6,340	6,450	6,490	6,510	6,570	6,670	6,770	6,880
Government	5,810	6,150	6,350	5,870	6,030	6,190	6,340	6,450	6,490	6,510	6,570	6,670	6,770	6,880
Total Nonagricultural	50,080	51,840	53,580	50,710	52,280	53,940	55,580	57,140	58,500	59,770	61,120	62,420	63,800	65,200
Population & Households:														
Population:	114,490	116,440	119,060	123,800	127,040	130,350	133,760	137,230	140,750	144,320	147,950	151,680	155,490	159,370
Households:	41,130	42,210	43,350	43,290	44,030	44,740	45,460	46,180	46,880	47,590	48,330	49,050	49,760	50,450
Persons per Household:	2.74	2.76	2.78	2.82	2.84	2.87	2.90	2.93	2.96	2.99	3.01	3.04	3.08	3.11
Personal Income:	(Millions)													
Current Year $:	$5,103	$5,434	$5,783	$6,218	$6,627	$7,076	$7,550	$8,046	$8,555	$9,102	$9,670	$10,252	$10,868	$11,527
2009 $:	4,529	4,725	4,929	5,213	5,452	5,700	5,951	6,210	6,471	6,751	7,035	7,314	7,602	7,904
Per Capita Personal Income:														
Current Year $:	$44,570	$46,660	$48,570	$50,220	$52,170	$54,280	$56,450	$58,630	$60,780	$63,070	$65,360	$67,590	$69,900	$72,330
2009 $:	39,560	40,570	41,400	42,100	42,910	43,730	44,490	45,250	45,970	46,780	47,550	48,220	48,890	49,590

Bonneville County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	12,690	12,810	12,930	13,080	13,240	13,400	13,550	13,700	13,860	14,020	14,210	14,400	14,600	14,820
Manufacturing	5,980	6,000	6,020	6,050	6,070	6,090	6,100	6,110	6,120	6,130	6,150	6,160	6,180	6,200
Transp., Trade, & Utilities	8,940	9,200	9,480	9,730	9,980	10,210	10,420	10,630	10,870	11,110	11,340	11,520	11,660	11,830
Information & Financial Activities	3,060	3,100	3,140	3,180	3,210	3,230	3,250	3,280	3,310	3,350	3,370	3,400	3,430	3,450
Professional & Business Services	6,880	7,160	7,500	7,870	8,380	8,770	9,060	9,260	9,560	9,860	10,120	10,430	10,730	11,030
Educational & Health Services	13,380	13,770	14,150	14,490	14,800	15,080	15,430	15,840	16,340	16,820	17,370	17,920	18,520	19,130
Leisure, Hospitality, & Other Svcs.	8,570	8,720	8,860	8,990	9,120	9,270	9,440	9,610	9,800	10,000	10,160	10,320	10,470	10,620
Government	7,050	7,230	7,410	7,580	7,770	7,970	8,160	8,360	8,570	8,860	8,980	9,190	9,420	9,650
Total Nonagricultural	66,550	68,000	69,490	70,960	72,570	74,030	75,410	76,800	78,430	80,140	81,690	83,330	85,000	86,730
Population & Households:														
Population:	163,380	167,520	171,760	176,130	180,610	185,200	189,890	194,700	199,630	204,660	209,800	215,060	220,420	225,880
Households:	51,100	51,780	52,490	53,260	54,050	54,860	55,700	56,550	57,410	58,260	59,110	59,980	60,780	61,560
Persons per Household:	3.15	3.19	3.22	3.26	3.29	3.32	3.36	3.39	3.42	3.46	3.49	3.53	3.57	3.61
Personal Income:	(Millions)													
Current Year $:	$12,234	$12,967	$13,757	$14,594	$15,505	$16,449	$17,422	$18,464	$19,584	$20,768	$22,021	$23,342	$24,638	$26,069
2009 $:	8,218	8,534	8,867	9,212	9,585	9,959	10,329	10,717	11,125	11,547	11,983	12,428	12,834	13,283
Per Capita Personal Income:														
Current Year $:	$74,880	$77,410	$80,090	$82,860	$85,850	$88,820	$91,750	$94,830	$98,100	$101,480	$104,960	$108,540	$111,780	$115,410
2009 $:	50,300	50,940	51,630	52,300	53,070	53,770	54,400	55,050	55,730	56,420	57,110	57,790	58,230	58,810

Idaho Economics
Winter 2020 County Economic Forecasts

Boundary County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	8,370	9,910	11,000	12,610	13,560	14,470	15,320	16,090	16,900
Population per Square Mile	6.6	7.8	8.7	9.9	10.7	11.4	12.1	12.7	13.3
Total Households:	2,860	3,740	4,420	5,150	5,540	5,900	6,210	6,540	6,850
Persons per Household	2.86	2.59	2.44	2.40	2.40	2.40	2.41	2.41	2.41
Employment:									
Total Nonagricultural	2,650	3,610	3,240	5,660	6,030	6,300	6,580	6,860	7,130
Manufacturing:	310	480	210	880	920	930	930	920	910
Services	500	1,100	800	1,360	1,480	1,550	1,650	1,730	1,830

Boundary County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	380	330	310	390	410	430	370	270	480	460	440	480	530	500	540
Manufacturing	310	390	480	410	370	310	270	280	210	290	340	370	360	390	400
Transp., Trade, & Utilities	540	590	650	600	590	580	600	580	560	530	570	570	590	600	580
Information & Financial Activities	140	160	100	110	110	120	120	120	90	90	80	80	80	80	90
Professional & Business Services	40	70	160	200	350	460	230	250	280	330	450	210	220	210	230
Educational & Health Services	240	370	570	330	260	270	490	430	350	380	360	340	350	370	370
Leisure, Hospitality, & Other Svcs.	220	290	380	230	220	200	220	210	170	170	170	170	170	190	180
Government	790	870	970	1,150	1,140	1,130	1,150	1,150	1,160	1,140	1,100	1,110	1,140	1,160	1,170
Total Nonagricultural	2,650	3,060	3,610	3,420	3,460	3,560	3,530	3,410	3,240	3,330	3,430	3,270	3,370	3,440	3,470
Population & Households:															
Population:	8,370	9,480	9,910	10,300	10,530	10,750	10,830	10,820	11,000	10,820	10,820	10,850	10,960	11,300	11,700
Households:	2,860	3,410	3,740	4,180	4,320	4,440	4,450	4,410	4,420	4,340	4,350	4,370	4,430	4,480	4,540
Persons per Household:	2.55	2.51	2.47	2.42	2.39	2.37	2.38	2.41	2.44	2.44	2.44	2.44	2.43	2.42	2.41
Personal Income:	(Millions)														
Current Year $:	$96	$136	$178	$222	$240	$256	$276	$277	$286	$298	$307	$319	$344	$353	$358
2009 $:	142	178	217	236	249	260	267	268	267	280	294	300	312	329	341
Per Capita Personal Income:															
Current Year $:	$11,450	$14,300	$18,210	$21,100	$22,360	$23,390	$24,610	$24,740	$24,690	$26,940	$28,770	$29,610	$30,870	$32,300	$33,750
2009 $:	16,980	18,730	21,900	22,870	23,610	24,090	24,600	24,740	24,280	25,870	27,120	27,580	28,380	29,650	30,540

Boundary County

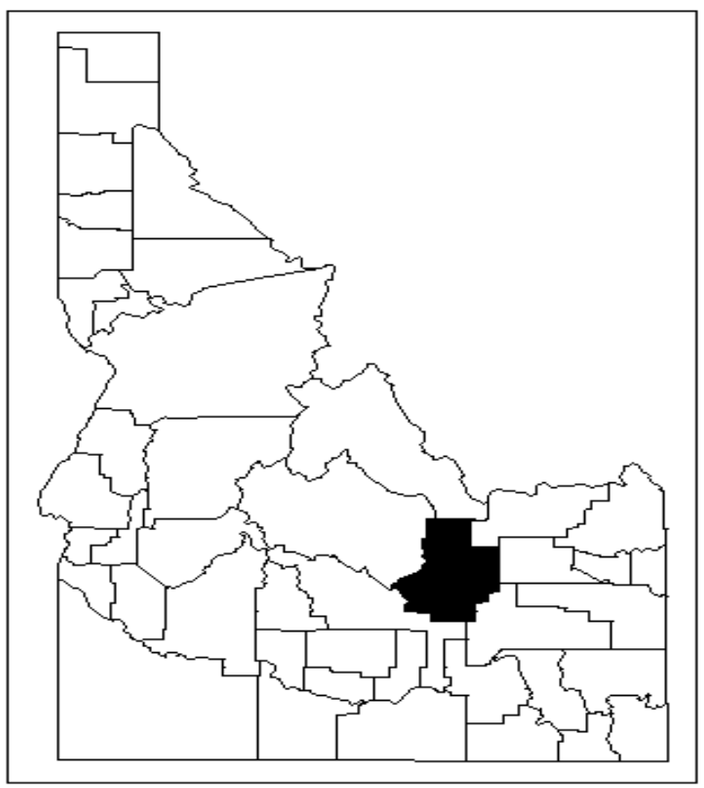
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	560	620	670	1,730	1,750	1,770	1,780	1,790	1,800	1,810	1,820	1,830	1,830	1,840
Manufacturing	440	460	480	880	890	900	910	920	920	930	930	930	930	930
Transp., Trade, & Utilities	570	580	600	290	300	310	310	320	320	320	320	320	330	330
Information & Financial Activities	290	310	330	500	510	520	530	540	550	550	560	570	580	580
Professional & Business Services	380	390	370	830	840	850	860	880	890	890	900	910	920	920
Educational & Health Services	380	390	370	830	840	850	860	880	890	890	900	910	920	920
Leisure, Hospitality, & Other Svcs.	120	140	150	170	170	180	180	180	180	180	180	180	180	180
Government	120	140	150	170	170	180	180	180	180	180	180	180	180	180
Total Nonagricultural	3,490	3,650	3,730	5,660	5,730	5,820	5,900	5,970	6,030	6,080	6,130	6,190	6,240	6,300
Population & Households:														
Population:	11,970	12,020	12,250	12,610	12,800	12,990	13,190	13,380	13,560	13,740	13,930	14,120	14,300	14,470
Households:	4,910	5,010	5,110	5,150	5,230	5,310	5,390	5,470	5,540	5,620	5,690	5,770	5,840	5,900
Persons per Household:	2.40	2.40	2.39	2.40	2.40	2.40	2.39	2.39	2.40	2.39	2.39	2.40	2.40	2.40
Personal Income:	(Millions)													
Current Year $:	$398	$421	$443	$468	$493	$520	$549	$579	$608	$638	$670	$703	$738	$775
2009 $:	353	366	378	393	405	419	433	447	460	474	488	502	516	532
Per Capita Personal Income:														
Current Year $:	$33,260	$35,020	$36,190	$37,140	$38,490	$40,040	$41,660	$43,260	$44,850	$46,460	$48,120	$49,810	$51,610	$53,570
2009 $:	29,520	30,450	30,850	31,140	31,660	32,250	32,840	33,390	33,920	34,460	35,000	35,540	36,100	36,730

Boundary County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,850	1,860	1,860	1,870	1,890	1,900	1,910	1,920	1,930	1,940	1,950	1,960	1,970	1,990
Manufacturing	930	930	930	930	930	930	930	920	920	920	920	910	910	910
Transp., Trade, & Utilities	330	330	340	340	350	350	350	360	360	360	370	370	370	370
Information & Financial Activities	220	220	230	230	230	230	220	220	220	220	220	220	220	220
Professional & Business Services	380	380	390	390	400	410	410	410	420	420	420	430	430	430
Educational & Health Services	940	950	960	970	970	980	990	1,000	1,010	1,020	1,040	1,060	1,070	1,090
Leisure, Hospitality, & Other Svcs.	260	260	270	270	270	270	270	280	280	280	290	290	290	290
Government	1,450	1,480	1,500	1,520	1,550	1,580	1,600	1,630	1,660	1,700	1,710	1,740	1,770	1,790
Total Nonagricultural	6,360	6,420	6,470	6,530	6,580	6,640	6,690	6,740	6,800	6,860	6,920	6,980	7,030	7,090
Population & Households:														
Population:	14,650	14,820	14,990	15,160	15,320	15,480	15,630	15,790	15,940	16,090	16,240	16,390	16,540	16,680
Households:	5,960	6,020	6,080	6,150	6,210	6,280	6,340	6,410	6,480	6,540	6,600	6,660	6,720	6,770
Persons per Household:	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
Personal Income:	(Millions)													
Current Year $:	$815	$856	$899	$945	$995	$1,046	$1,098	$1,154	$1,213	$1,276	$1,341	$1,411	$1,488	$1,570
2009 $:	548	563	580	597	615	633	651	670	689	709	730	751	775	800
Per Capita Personal Income:														
Current Year $:	$55,630	$57,720	$59,970	$62,370	$64,940	$67,600	$70,260	$73,110	$76,120	$79,270	$82,570	$86,080	$89,980	$94,080
2009 $:	37,370	37,980	38,650	39,370	40,150	40,930	41,650	42,440	43,240	44,080	44,930	45,830	46,870	47,940

Idaho Economics
Winter 2020 County Economic Forecasts

Butte County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	2,920	2,890	2,920	2,390	2,230	2,110	2,010	1,900	1,850
Population per Square Mile	1.3	1.3	1.3	1.1	1.0	0.9	0.9	0.9	0.8
Total Households:	1,000	1,100	1,140	1,050	1,080	1,110	1,120	1,130	1,140
Persons per Household	2.88	2.60	2.51	2.25	2.03	1.88	1.77	1.66	1.60
Employment:									
Total Nonagricultural	7,620	5,520	8,690	8,410	8,700	8,630	8,610	8,530	8,460
Manufacturing:	30	10	20	30	30	20	20	20	20
Services	6,210	5,010	8,190	7,960	8,020	7,970	7,980	7,890	7,830

Butte County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	120	110	50	40	40	40	30	40	50	70	60	90	90	70	60
Manufacturing	30	20	10	10	20	20	20	20	20	20	20	40	50	50	50
Transp., Trade, & Utilities	700	130	140	100	100	110	110	110	120	110	120	120	120	120	120
Information & Financial Activities	190	40	50	40	50	60	60	50	50	50	40	50	50	60	40
Professional & Business Services	5,520	4,480	4,790	3,450	3,740	7,570	7,540	7,640	7,960	7,790	7,070	6,500	6,430	6,730	6,980
Educational & Health Services	330	140	130	140	140	140	140	140	140	150	140	110	100	100	90
Leisure, Hospitality, & Other Svcs.	370	80	90	90	110	130	120	110	80	70	70	70	60	60	70
Government	370	240	260	230	270	270	270	280	280	270	240	230	210	220	230
Total Nonagricultural	7,620	5,250	5,520	4,110	4,480	8,410	8,290	8,350	8,690	8,510	7,770	7,210	7,120	7,390	7,640
Population & Households:															
Population:	2,920	3,020	2,890	2,830	2,790	2,840	2,850	2,840	2,920	2,830	2,760	2,670	2,660	2,570	2,570
Households:	1,000	1,070	1,100	1,120	1,130	1,130	1,140	1,130	1,140	1,100	1,080	1,050	1,050	1,040	1,040
Persons per Household:	2.56	2.52	2.49	2.51	2.45	2.48	2.46	2.47	2.51	2.51	2.50	2.48	2.46	2.44	2.41
Personal Income:	(Millions)														
Current Year $:	$39	$50	$63	$53	$63	$70	$90	$86	$81	$87	$85	$87	$85	$87	$89
2009 $:	58	66	76	80	84	84	92	91	85	88	90	90	83	105	124
Per Capita Personal Income:															
Current Year $:	$13,460	$16,740	$21,920	$25,960	$28,560	$28,470	$32,430	$31,960	$29,900	$32,720	$35,090	$36,810	$34,530	$44,350	$54,020
2009 $:	19,960	21,920	26,360	28,140	30,140	29,330	32,410	31,960	29,420	31,420	33,080	34,300	31,750	40,710	48,890

Butte County

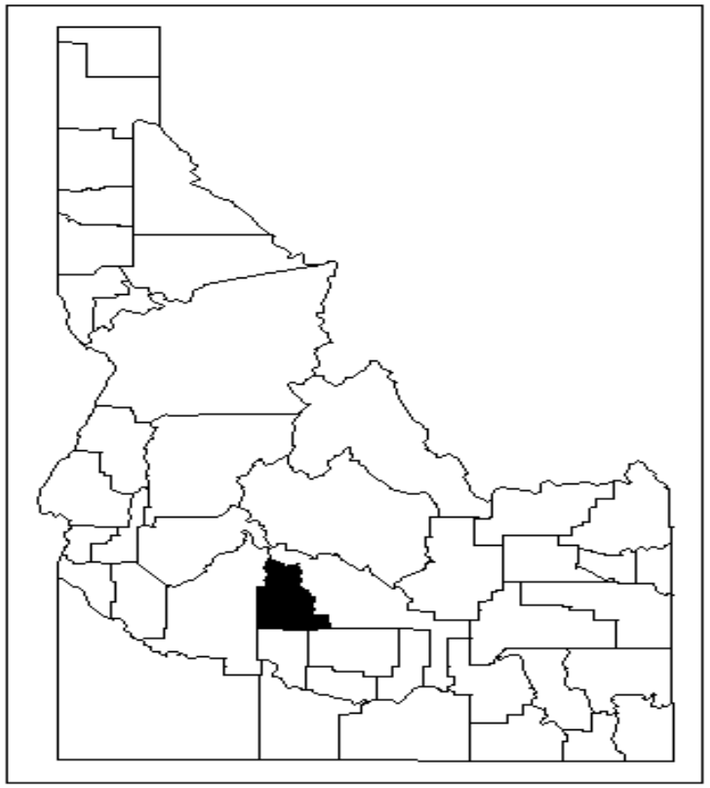
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	70	50	40	50	50	50	50	50	40	40	40	40	40	40
Manufacturing	50	50	50	30	30	30	30	30	30	30	20	20	20	20
Transp., Trade, & Utilities	130	130	140	100	90	90	90	90	80	80	80	70	70	70
Information & Financial Activities	7,200	7,360	7,710	7,670	7,690	7,730	7,760	7,780	7,760	7,720	7,710	7,700	7,720	7,730
Professional & Business Services	90	100	110	250	250	250	240	240	240	240	240	240	230	230
Educational & Health Services	90	100	110	250	250	250	240	240	240	240	240	240	230	230
Leisure, Hospitality, & Other Svcs.	50	50	50	40	40	40	40	40	40	30	30	30	30	30
Government	50	50	50	40	40	40	40	40	40	30	30	30	30	30
Total Nonagricultural	7,810	7,980	8,350	8,410	8,690	8,710	8,730	8,730	8,700	8,650	8,630	8,610	8,620	8,630
Population & Households:														
Population:	2,590	2,590	2,600	2,390	2,360	2,330	2,300	2,270	2,230	2,200	2,170	2,150	2,130	2,110
Households:	1,040	1,030	1,030	1,050	1,050	1,060	1,070	1,080	1,080	1,090	1,100	1,100	1,100	1,110
Persons per Household:	2.39	2.35	2.30	2.25	2.20	2.16	2.12	2.08	2.03	1.99	1.95	1.93	1.90	1.88
Personal Income:	(Millions)													
Current Year $:	$152	$163	$174	$182	$191	$206	$219	$228	$239	$235	$236	$240	$247	$256
2009 $:	134	142	148	153	157	166	173	176	181	175	172	171	173	176
Per Capita Personal Income:														
Current Year $:	$58,620	$63,120	$66,870	$76,320	$81,150	$88,770	$95,520	$100,670	$106,990	$107,200	$108,960	$111,740	$115,880	$121,420
2009 $:	52,030	54,890	57,000	63,980	66,760	71,510	75,290	77,700	80,930	79,510	79,260	79,720	81,060	83,260

Butte County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Manufacturing	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Transp., Trade, & Utilities	60	60	60	60	60	60	60	60	60	60	60	60	50	50
Information & Financial Activities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Professional & Business Services	7,700	7,700	7,700	7,700	7,710	7,700	7,670	7,640	7,630	7,620	7,600	7,580	7,560	7,540
Educational & Health Services	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Leisure, Hospitality, & Other Svcs.	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Government	490	490	490	480	480	480	480	480	480	480	480	480	480	470
Total Nonagricultural	8,630	8,630	8,620	8,610	8,610	8,600	8,580	8,550	8,530	8,530	8,500	8,480	8,460	8,440
Population & Households:														
Population:	2,090	2,080	2,060	2,040	2,010	1,990	1,970	1,950	1,930	1,900	1,880	1,860	1,830	1,830
Households:	1,110	1,110	1,120	1,120	1,120	1,120	1,130	1,130	1,130	1,130	1,130	1,130	1,130	1,130
Persons per Household:	1.86	1.84	1.82	1.80	1.77	1.75	1.73	1.71	1.68	1.66	1.64	1.62	1.60	1.60
Personal Income:	(Millions)													
Current Year $:	$259	$266	$275	$282	$292	$302	$313	$326	$343	$366	$376	$395	$467	$482
2009 $:	174	175	177	178	181	183	186	189	195	203	205	210	243	246
Per Capita Personal Income:														
Current Year $:	$123,610	$127,930	$133,490	$138,670	$145,050	$151,460	$158,930	$167,490	$178,180	$192,120	$200,100	$212,810	$254,290	$263,540
2009 $:	83,040	84,190	86,050	87,530	89,670	91,700	94,220	97,220	101,220	106,820	108,890	113,310	132,460	134,280

Idaho Economics
Winter 2020 County Economic Forecasts

Camas County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	740	970	1,120	1,490	1,490	1,490	1,460	1,440	1,410
Population per Square Mile	0.7	0.9	1.0	1.4	1.4	1.4	1.4	1.3	1.3
Total Households:	270	400	490	730	800	860	920	980	1,020
Persons per Household	2.73	2.42	2.27	2.05	1.87	1.72	1.59	1.47	1.38
Employment:									
Total Nonagricultural	210	270	380	380	390	380	370	360	360
Manufacturing:	0	0	0	0	0	0	0	0	0
Services	60	90	110	80	80	80	80	80	80

Camas County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	10	10	10	30	30	40	30	40	30	20	30	20	30	30	30
Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transp., Trade, & Utilities	20	20	20	80	90	100	100	110	110	100	120	140	140	130	130
Information & Financial Activities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Professional & Business Services	0	10	10	30	40	50	50	50	50	50	60	60	40	30	30
Educational & Health Services	10	10	10	10	10	20	20	20	20	20	20	20	20	20	20
Leisure, Hospitality, & Other Svcs.	50	90	80	60	70	70	80	50	40	40	40	40	20	20	30
Government	100	110	120	130	120	120	130	140	120	130	120	110	120	120	120
Total Nonagricultural	210	260	270	350	390	420	430	430	380	370	420	420	390	370	380
Population & Households:															
Population:	740	890	970	1,070	1,070	1,100	1,120	1,130	1,120	1,120	1,090	1,040	1,050	1,070	1,080
Households:	270	340	400	460	470	480	490	480	490	480	470	460	470	460	470
Persons per Household:	2.40	2.38	2.35	2.32	2.30	2.29	2.29	2.34	2.27	2.27	2.26	2.25	2.23	2.21	2.19
Personal Income:	(Millions)														
Current Year $:	$11	$16	$22	$32	$34	$33	$34	$33	$30	$35	$39	$42	$42	$42	$40
2009 $:	17	21	27	33	35	36	37	38	34	38	44	48	48	48	48
Per Capita Personal Income:															
Current Year $:	$15,230	$17,750	$23,530	$28,660	$31,210	$31,430	$33,070	$33,550	$31,480	$36,160	$43,480	$49,150	$50,200	$50,960	$51,990
2009 $:	22,580	23,240	28,300	31,070	32,950	32,370	33,060	33,540	30,970	34,720	40,990	45,790	46,150	46,780	47,050

Camas County

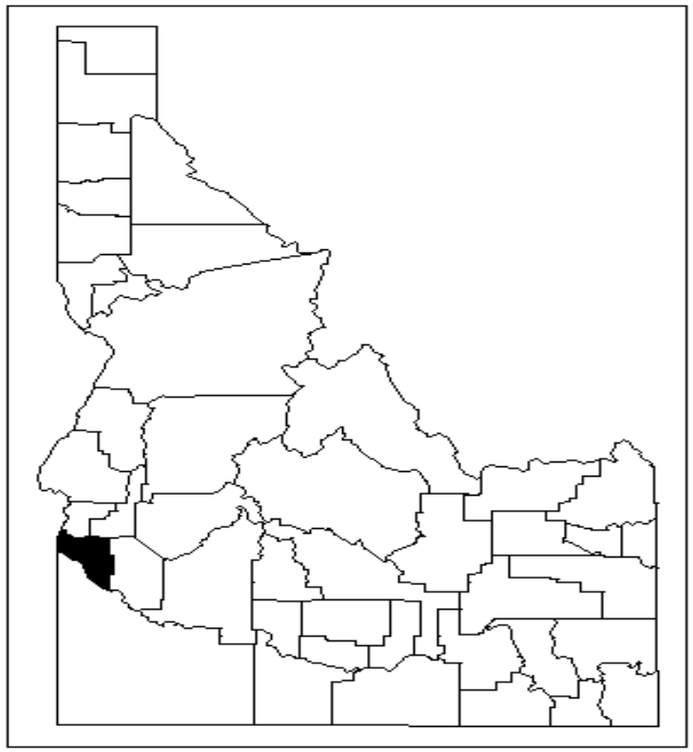
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	40	40	40	40	40	40	50	50	50	50	50	50	50	50
Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transp., Trade, & Utilities	140	130	130	130	130	130	130	130	130	120	120	120	120	120
Information & Financial Activities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Professional & Business Services	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Educational & Health Services	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Leisure, Hospitality, & Other Svcs.	20	10	20	20	20	20	20	20	20	10	10	10	10	10
Government	20	10	20	20	20	20	20	20	20	10	10	10	10	10
Total Nonagricultural	380	360	320	380	380	380	390	390	390	390	390	380	380	380
Population & Households:														
Population:	1,100	1,120	1,110	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490
Households:	470	470	480	730	740	750	770	780	800	810	830	840	850	860
Persons per Household:	2.17	2.14	2.10	2.05	2.01	1.97	1.94	1.90	1.87	1.83	1.80	1.77	1.74	1.72
Personal Income:	(Millions)													
Current Year $:	$55	$57	$59	$61	$63	$66	$68	$71	$73	$76	$79	$81	$84	$87
2009 $:	49	50	50	51	52	53	54	55	55	56	57	58	59	59
Per Capita Personal Income:														
Current Year $:	$50,370	$50,890	$53,340	$40,940	$42,400	$44,040	$45,720	$47,450	$49,190	$50,920	$52,690	$54,420	$56,270	$58,390
2009 $:	44,710	44,250	45,470	34,320	34,880	35,480	36,040	36,620	37,210	37,770	38,330	38,820	39,360	40,040

Camas County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	50	50	50	50	50	50	50	50	50	50	50	50	60	60
Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transp., Trade, & Utilities	110	110	110	110	110	110	110	100	100	100	100	100	100	90
Information & Financial Activities	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Professional & Business Services	40	40	40	40	40	40	40	30	30	30	30	30	30	30
Educational & Health Services	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Leisure, Hospitality, & Other Svcs.	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Government	120	120	120	120	120	120	120	120	120	120	120	120	120	120
Total Nonagricultural	380	380	380	380	370	370	370	370	370	360	360	360	360	360
Population & Households:														
Population:	1,480	1,480	1,470	1,470	1,460	1,460	1,450	1,450	1,440	1,440	1,430	1,420	1,420	1,410
Households:	870	880	890	900	920	930	940	950	960	980	990	1,000	1,010	1,020
Persons per Household:	1.69	1.67	1.65	1.62	1.59	1.57	1.54	1.52	1.49	1.47	1.44	1.42	1.40	1.38
Personal Income:	(Millions)													
Current Year $:	$89	$92	$95	$98	$102	$105	$108	$112	$115	$119	$123	$127	$131	$135
2009 $:	60	61	61	62	63	64	64	65	65	66	67	67	68	69
Per Capita Personal Income:														
Current Year $:	$60,360	$62,430	$64,690	$66,990	$69,500	$72,030	$74,540	$77,190	$79,940	$82,990	$85,740	$88,850	$92,310	$95,930
2009 $:	40,550	41,080	41,700	42,290	42,970	43,610	44,200	44,800	45,420	46,150	46,660	47,310	48,080	48,880

Idaho Economics
Winter 2020 County Economic Forecast for

Canyon County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	91,200	133,080	189,350	230,960	261,490	295,850	331,480	369,580	410,450
Population per Square Mile	154.6	225.6	321.0	391.6	443.4	501.6	562.0	626.6	695.9
Total Households:	31,280	45,550	63,790	78,510	84,250	90,340	95,890	101,230	107,660
Persons per Household	2.85	2.87	2.91	2.87	3.02	3.17	3.34	3.51	3.65
Employment:									
Total Nonagricultural	31,730	46,610	51,020	67,520	89,100	113,630	142,410	177,030	215,370
Manufacturing:	9,350	11,310	7,470	10,570	12,930	15,220	17,190	19,040	20,730
Services	7,060	11,590	16,110	21,850	30,250	40,740	53,410	69,260	88,200

Canyon County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	2,520	4,390	5,250	6,880	7,990	7,290	5,880	4,470	5,590	5,640	5,940	6,610	7,160	7,960	8,360
Manufacturing	9,350	9,380	11,310	8,580	9,570	9,840	9,250	7,630	7,470	7,500	7,640	7,970	8,100	8,540	9,100
Transp., Trade, & Utilities	6,720	7,910	9,710	10,950	11,180	12,010	11,830	11,310	10,970	11,040	11,600	11,890	12,080	12,510	12,710
Information & Financial Activities	1,530	1,770	2,230	2,360	2,670	2,700	2,550	2,400	2,160	2,160	2,180	2,300	2,330	2,410	2,530
Professional & Business Services	1,080	1,570	2,600	3,610	4,480	4,640	4,380	3,850	3,670	3,630	3,800	4,130	4,390	4,290	4,600
Educational & Health Services	3,220	4,200	5,020	6,470	6,400	6,800	7,080	7,400	7,560	7,450	7,310	7,220	7,360	7,700	7,840
Leisure, Hospitality, & Other Svcs.	2,760	3,990	3,970	4,720	5,140	5,600	5,650	5,530	4,880	4,900	5,200	5,520	6,000	6,320	6,850
Government	4,550	5,370	6,520	7,680	7,860	8,170	8,610	9,070	9,250	9,130	9,240	9,280	9,520	9,690	9,720
Total Nonagricultural	31,730	38,580	46,610	51,250	55,290	57,120	54,920	51,150	51,020	50,860	52,260	54,320	56,240	58,620	61,120
Population & Households:															
Population:	91,200	110,440	133,080	163,950	172,190	179,650	185,000	187,360	189,350	191,350	193,730	198,590	202,440	206,840	211,380
Households:	31,280	38,030	45,550	57,420	60,270	62,550	63,620	63,160	63,790	64,240	65,110	66,540	67,190	69,070	70,690
Persons per Household:	2.85	2.83	2.81	2.81	2.81	2.82	2.85	2.91	2.91	2.92	2.92	2.94	2.95	2.95	2.95
Personal Income:	(Millions)														
Current Year $:	$1,253	$1,869	$2,708	$3,644	$4,179	$4,576	$4,697	$4,575	$4,656	$4,888	$5,182	$5,360	$5,608	$5,923	$6,204
2009 $:	1,858	2,448	3,298	3,881	4,228	4,444	4,290	4,252	4,321	4,440	4,571	4,744	4,991	5,130	5,299
Per Capita Personal Income:															
Current Year $:	$13,740	$16,930	$20,510	$21,720	$23,170	$23,970	$23,180	$22,670	$23,140	$24,110	$24,940	$25,510	$26,660	$26,840	$27,510
2009 $:	20,380	22,170	24,670	23,540	24,460	24,690	23,160	22,670	22,770	23,150	23,510	23,770	24,520	24,630	24,890

Canyon County

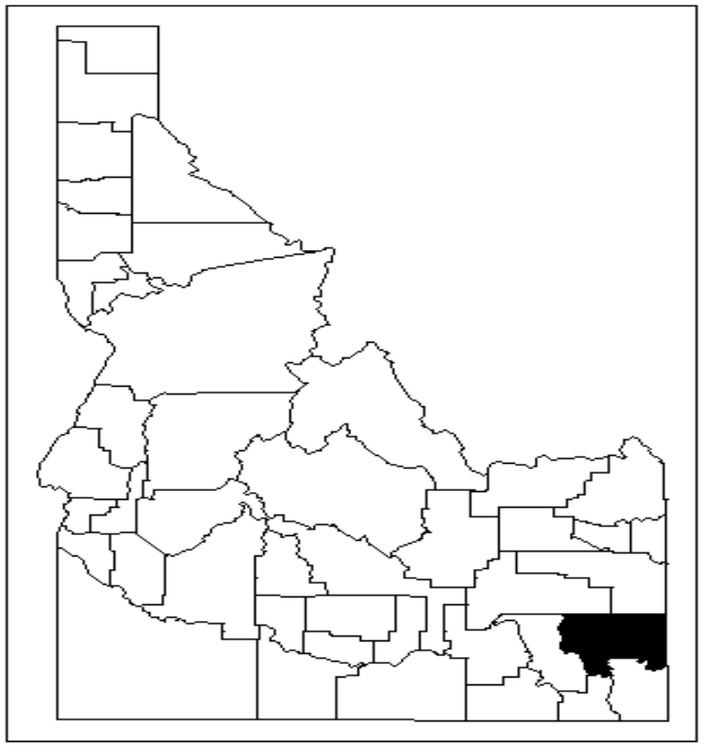
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	9,090	10,010	10,900	11,870	12,580	13,260	13,950	14,650	15,280	15,860	16,490	17,120	17,700	18,350
Manufacturing	9,770	10,470	10,700	10,570	10,840	11,360	11,870	12,400	12,930	13,440	13,930	14,330	14,750	15,220
Transp., Trade, & Utilities	13,590	13,910	14,910	15,710	16,500	17,250	18,010	18,760	19,510	20,340	21,150	21,970	22,900	23,820
Information & Financial Activities	6,770	6,990	7,050	4,740	5,220	5,720	6,280	6,880	7,500	8,130	8,870	9,560	10,280	11,060
Professional & Business Services	8,370	9,280	10,260	10,770	11,340	12,060	12,850	13,670	14,560	15,450	16,340	17,300	18,300	19,340
Educational & Health Services	8,370	9,280	10,260	10,770	11,340	12,060	12,850	13,670	14,560	15,450	16,340	17,300	18,300	19,340
Leisure, Hospitality, & Other Svcs.	5,540	6,080	6,280	6,300	6,670	7,040	7,440	7,820	8,170	8,520	8,920	9,350	9,790	10,250
Government	5,540	6,080	6,280	6,300	6,670	7,040	7,440	7,820	8,170	8,520	8,920	9,350	9,790	10,250
Total Nonagricultural	64,200	68,040	71,580	67,520	71,260	75,510	79,960	84,540	89,100	93,700	98,510	103,300	108,280	113,630
Population & Households:														
Population:	216,860	223,240	229,850	230,960	233,720	240,640	247,770	255,110	261,490	268,030	274,730	281,600	288,640	295,850
Households:	72,930	79,650	78,640	78,510	78,580	80,060	81,560	83,090	84,250	85,430	86,630	87,850	89,090	90,340
Persons per Household:	2.93	2.82	2.86	2.87	2.90	2.93	2.96	2.99	3.02	3.05	3.08	3.11	3.14	3.17
Personal Income:	(Millions)													
Current Year $:	$6,254	$6,809	$7,381	$8,199	$8,921	$9,735	$10,656	$11,679	$12,764	$13,966	$15,196	$16,473	$17,851	$19,416
2009 $:	5,551	5,920	6,292	6,873	7,339	7,842	8,400	9,014	9,655	10,358	11,054	11,752	12,486	13,313
Per Capita Personal Income:														
Current Year $:	$28,840	$30,500	$32,110	$35,500	$38,170	$40,450	$43,010	$45,780	$48,810	$52,110	$55,310	$58,500	$61,850	$65,630
2009 $:	25,600	26,520	27,370	29,760	31,400	32,590	33,900	35,330	36,920	38,650	40,240	41,730	43,260	45,000

Canyon County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	18,990	19,640	20,310	21,070	21,910	22,770	23,600	24,470	25,380	26,340	27,360	28,400	29,510	30,730
Manufacturing	15,650	16,020	16,400	16,800	17,190	17,590	17,960	18,320	18,660	19,040	19,440	19,860	20,290	20,710
Transp., Trade, & Utilities	24,070	25,090	26,170	27,230	28,360	29,490	30,620	31,780	33,040	34,380	35,640	36,900	38,110	39,400
Information & Financial Activities	3,710	3,840	3,980	4,110	4,260	4,400	4,540	4,700	4,860	5,050	5,220	5,400	5,580	5,770
Professional & Business Services	8,780	9,380	10,030	10,740	11,600	12,410	13,170	13,910	14,760	15,680	16,540	17,500	18,510	19,530
Educational & Health Services	20,370	21,580	22,780	24,030	25,260	26,430	27,760	29,280	31,030	32,840	34,770	36,820	39,060	41,400
Leisure, Hospitality, & Other Svcs.	13,780	14,410	15,100	15,810	16,560	17,330	18,100	18,910	19,800	20,740	21,600	22,510	23,430	24,380
Government	13,380	14,240	15,200	16,270	17,280	18,290	19,340	20,460	21,630	22,950	24,090	25,410	26,780	28,220
Total Nonagricultural	118,740	124,200	129,980	136,050	142,410	148,710	155,100	161,810	169,160	177,030	184,650	192,800	201,270	210,150
Population & Households:														
Population:	302,660	309,620	316,740	324,020	331,480	338,770	346,220	353,840	361,620	369,580	377,710	385,640	393,740	402,010
Households:	91,430	92,530	93,640	94,760	95,890	96,940	98,000	99,070	100,140	101,230	102,320	103,320	104,330	105,350
Persons per Household:	3.21	3.24	3.27	3.30	3.34	3.37	3.40	3.44	3.47	3.51	3.54	3.58	3.61	3.65
Personal Income:	(Millions)													
Current Year $:	$20,941	$22,669	$24,557	$26,606	$28,870	$31,265	$33,810	$36,563	$39,612	$43,108	$46,536	$50,432	$54,723	$59,404
2009 $:	14,067	14,918	15,829	16,794	17,847	18,930	20,046	21,222	22,503	23,969	25,323	26,853	28,506	30,268
Per Capita Personal Income:														
Current Year $:	$69,190	$73,220	$77,530	$82,110	$87,090	$92,290	$97,650	$103,330	$109,540	$116,640	$123,210	$130,770	$138,980	$147,770
2009 $:	46,480	48,180	49,980	51,830	53,840	55,880	57,900	59,980	62,230	64,860	67,040	69,630	72,400	75,290

Idaho Economics
Winter 2020 County Economic Forecasts

Caribou County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	6,980	7,280	6,970	9,000	10,250	10,090	10,070	10,030	9,930
Population per Square Mile	4.0	4.1	3.9	5.1	5.8	5.7	5.7	5.7	5.6
Total Households:	2,270	2,580	2,610	4,320	4,240	4,280	4,320	4,370	4,380
Persons per Household	3.04	2.80	2.65	2.07	2.40	2.34	2.32	2.28	2.26
Employment:									
Total Nonagricultural	2,680	3,090	3,030	6,130	6,800	6,680	6,610	6,510	6,430
Manufacturing:	610	810	710	660	770	700	640	580	520
Services	280	430	440	230	270	230	230	220	210

Caribou County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	510	440	440	370	380	410	420	360	770	820	830	840	750	760	910
Manufacturing	610	790	810	730	720	740	760	730	710	710	710	730	730	720	720
Transp., Trade, & Utilities	460	530	530	520	510	550	560	510	410	390	410	400	410	410	390
Information & Financial Activities	110	140	100	90	180	200	210	160	110	110	130	110	200	210	90
Professional & Business Services	40	40	70	170	170	170	170	180	120	110	140	170	170	120	150
Educational & Health Services	80	130	120	110	130	130	110	110	100	100	110	120	120	110	110
Leisure, Hospitality, & Other Svcs.	160	200	240	210	220	200	230	270	220	230	220	220	190	180	130
Government	710	730	790	770	770	760	760	780	780	770	760	750	750	740	730
Total Nonagricultural	2,680	2,990	3,090	2,980	3,070	3,220	3,300	3,210	3,030	3,090	3,200	3,230	3,230	3,180	3,210
Population & Households:															
Population:	6,980	7,300	7,280	6,960	6,890	6,870	6,840	6,920	6,970	6,840	6,770	6,790	6,790	6,730	6,870
Households:	2,270	2,440	2,580	2,620	2,610	2,620	2,600	2,600	2,610	2,560	2,540	2,570	2,590	2,610	2,630
Persons per Household:	2.76	2.73	2.69	2.64	2.62	2.61	2.61	2.65	2.65	2.65	2.65	2.64	2.62	2.61	2.59
Personal Income:	(Millions)														
Current Year $:	$102	$134	$152	$189	$200	$209	$234	$229	$218	$237	$249	$252	$252	$256	$264
2009 $:	152	175	186	214	219	220	230	236	220	243	257	256	265	272	277
Per Capita Personal Income:															
Current Year $:	$14,670	$18,300	$21,200	$28,310	$30,130	$31,090	$33,680	$34,070	$32,080	$36,870	$40,120	$40,150	$42,040	$43,240	$44,610
2009 $:	21,760	23,970	25,500	30,680	31,810	32,020	33,660	34,070	31,560	35,410	37,820	37,400	38,650	39,690	40,370

Caribou County

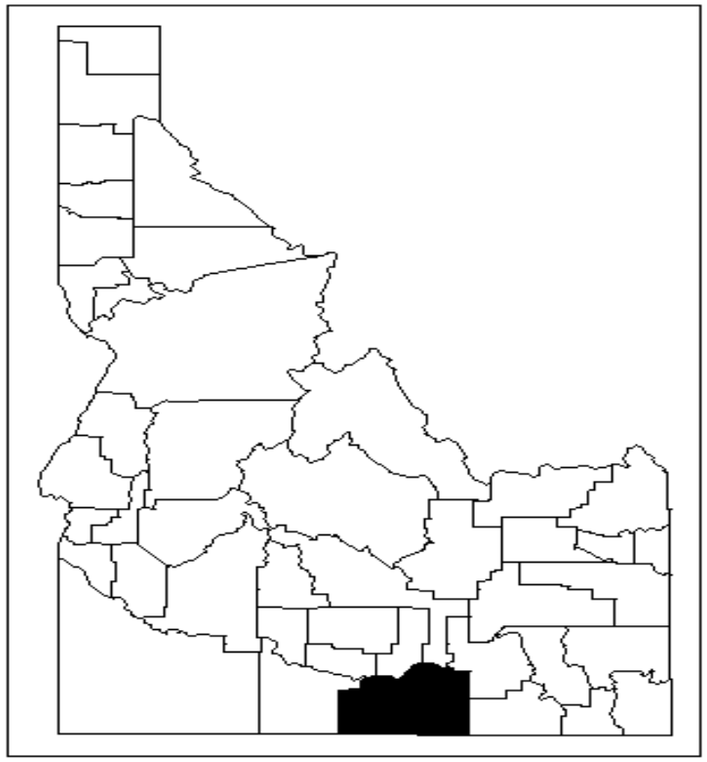
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	930	900	1,110	3,720	4,070	4,120	4,180	4,230	4,060	4,050	4,050	4,040	4,030	4,030
Manufacturing	700	720	730	660	790	810	820	840	770	750	740	720	710	700
Transp., Trade, & Utilities	450	440	460	390	460	470	470	480	430	420	410	410	410	400
Information & Financial Activities	230	230	230	570	610	620	630	650	620	640	650	670	660	680
Professional & Business Services	120	130	130	80	100	110	110	110	100	100	100	100	100	100
Educational & Health Services	120	130	130	80	100	110	110	110	100	100	100	100	100	100
Leisure, Hospitality, & Other Svcs.	100	130	120	70	90	90	90	90	70	70	60	60	60	60
Government	100	130	120	70	90	90	90	90	70	70	60	60	60	60
Total Nonagricultural	3,300	3,310	3,590	6,130	6,880	6,980	7,090	7,200	6,800	6,760	6,730	6,710	6,680	6,680
Population & Households:														
Population:	6,970	7,040	7,160	9,000	10,390	10,590	10,770	10,970	10,250	10,200	10,160	10,120	10,100	10,090
Households:	2,650	2,680	2,700	4,320	4,180	4,170	4,160	4,160	4,240	4,260	4,280	4,280	4,280	4,280
Persons per Household:	2.57	2.55	2.52	2.07	2.48	2.52	2.57	2.62	2.40	2.38	2.36	2.35	2.35	2.34
Personal Income:	(Millions)													
Current Year $:	$317	$328	$336	$286	$351	$368	$385	$402	$377	$381	$385	$389	$395	$405
2009 $:	281	285	286	240	289	296	304	310	285	283	280	278	277	278
Per Capita Personal Income:														
Current Year $:	$45,440	$46,580	$46,970	$31,790	$33,770	$34,740	$35,740	$36,670	$36,760	$37,380	$37,910	$38,460	$39,140	$40,150
2009 $:	40,330	40,500	40,030	26,650	27,780	27,980	28,170	28,300	27,800	27,720	27,580	27,440	27,380	27,530

Caribou County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	4,020	4,020	4,010	4,010	4,010	4,010	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Manufacturing	690	680	670	650	640	630	620	600	590	580	570	560	550	540
Transp., Trade, & Utilities	360	350	350	350	350	340	340	340	330	330	330	320	320	320
Information & Financial Activities	660	680	680	670	670	680	680	670	670	670	680	670	670	690
Professional & Business Services	60	60	60	60	60	60	60	60	50	50	50	50	40	40
Educational & Health Services	100	100	100	100	100	100	90	90	100	100	100	100	100	100
Leisure, Hospitality, & Other Svcs.	70	80	80	80	80	70	70	70	70	70	70	60	70	70
Government	700	700	700	700	700	700	700	710	710	710	710	710	710	710
Total Nonagricultural	6,650	6,670	6,650	6,630	6,610	6,590	6,570	6,540	6,520	6,510	6,490	6,470	6,460	6,460
Population & Households:														
Population:	10,090	10,090	10,080	10,080	10,070	10,070	10,060	10,050	10,040	10,030	10,010	10,000	9,980	9,970
Households:	4,280	4,290	4,300	4,310	4,320	4,330	4,340	4,350	4,370	4,370	4,380	4,390	4,390	4,390
Persons per Household:	2.34	2.34	2.33	2.33	2.32	2.31	2.30	2.30	2.29	2.28	2.27	2.26	2.26	2.26
Personal Income:	(Millions)													
Current Year $:	$413	$423	$433	$444	$455	$467	$477	$489	$501	$515	$526	$540	$556	$573
2009 $:	277	278	279	281	282	283	283	284	284	286	286	288	290	292
Per Capita Personal Income:														
Current Year $:	$40,940	$41,950	$42,950	$44,080	$45,210	$46,390	$47,440	$48,650	$49,870	$51,320	$52,540	$54,010	$55,700	$57,460
2009 $:	27,500	27,610	27,680	27,830	27,950	28,080	28,130	28,240	28,330	28,540	28,590	28,760	29,020	29,280

Idaho Economics
Winter 2020 County Economic Forecasts

Cassia County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	19,660	21,390	23,080	22,090	26,880	27,240	27,780	28,090	28,220
Population per Square Mile	7.7	8.3	9.0	8.6	10.5	10.6	10.8	10.9	11.0
Total Households:	6,360	7,120	7,670	9,110	9,350	9,620	9,920	10,210	10,360
Persons per Household	3.04	2.96	2.96	2.39	2.83	2.79	2.76	2.71	2.68
Employment:									
Total Nonagricultural	7,090	8,990	9,810	15,460	17,520	17,580	17,800	17,950	18,060
Manufacturing:	1,330	1,140	1,200	1,130	1,370	1,350	1,300	1,230	1,170
Services	1,550	2,230	2,270	2,280	2,700	2,730	2,820	2,900	3,010

Cassia County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	650	780	820	970	1,000	1,050	1,030	870	1,870	1,930	2,000	2,060	2,130	2,130	2,280
Manufacturing	1,330	1,180	1,140	970	1,000	1,130	1,170	1,190	1,200	1,230	1,240	1,390	1,300	1,350	1,330
Transp., Trade, & Utilities	1,730	2,050	2,480	2,460	2,420	2,540	2,660	2,600	2,480	2,530	2,580	2,620	2,690	2,870	2,940
Information & Financial Activities	410	580	450	390	400	440	440	400	330	310	330	330	360	340	380
Professional & Business Services	100	170	360	220	210	230	160	280	350	330	320	360	360	370	390
Educational & Health Services	780	910	1,060	1,180	1,430	1,570	1,570	1,480	1,290	1,290	1,230	1,260	1,280	1,220	1,280
Leisure, Hospitality, & Other Svcs.	680	900	810	750	730	670	780	720	630	670	630	790	820	810	870
Government	1,420	1,570	1,870	1,720	1,750	1,760	1,750	1,790	1,810	1,780	1,790	1,730	1,750	1,760	1,740
Total Nonagricultural	7,090	8,140	8,990	8,660	8,930	9,550	9,760	9,690	9,810	9,900	9,950	10,390	10,530	10,660	11,000
Population & Households:															
Population:	19,660	21,020	21,390	21,370	21,280	21,570	22,130	22,480	23,080	23,110	23,260	23,340	23,500	23,500	23,480
Households:	6,360	6,850	7,120	7,380	7,380	7,480	7,610	7,600	7,670	7,670	7,700	7,750	7,840	7,920	8,010
Persons per Household:	2.93	2.90	2.88	2.86	2.84	2.84	2.87	2.92	2.96	2.97	2.97	2.97	2.96	2.95	2.94
Personal Income:	(Millions)														
Current Year $:	$327	$381	$481	$571	$582	$661	$722	$665	$752	$799	$842	$952	$987	$1,011	$1,004
2009 $:	484	499	586	632	629	700	736	675	722	766	792	823	866	882	893
Per Capita Personal Income:															
Current Year $:	$16,610	$18,110	$22,780	$27,210	$27,960	$31,440	$33,260	$30,000	$31,840	$34,490	$36,060	$37,830	$39,990	$40,420	$41,200
2009 $:	24,630	23,720	27,400	29,490	29,520	32,380	33,240	30,000	31,320	33,120	34,000	35,240	36,770	37,110	37,280

Cassia County

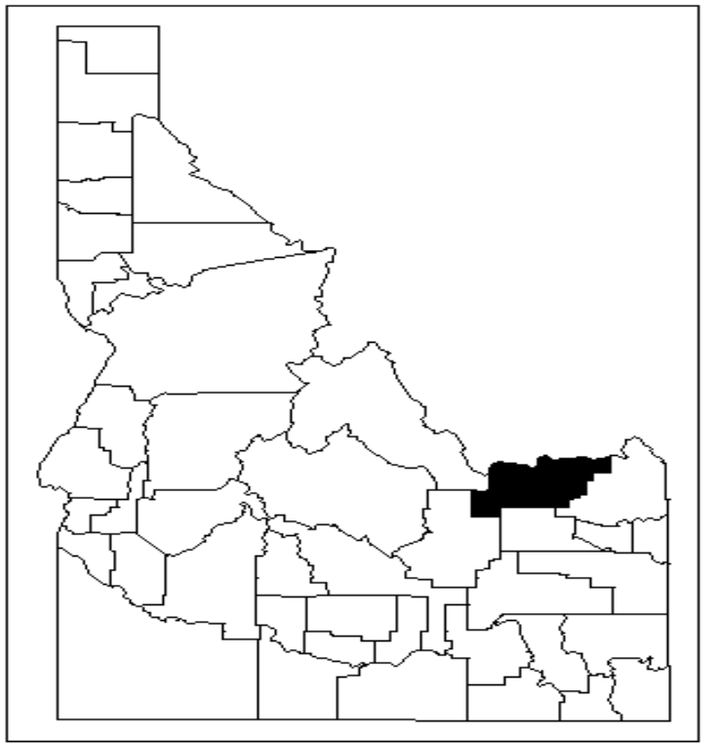
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	2,390	2,410	2,520	6,840	7,580	7,730	7,880	8,020	7,700	7,700	7,710	7,710	7,720	7,730
Manufacturing	1,410	1,220	1,350	1,130	1,370	1,410	1,450	1,490	1,370	1,370	1,370	1,360	1,350	1,350
Transp., Trade, & Utilities	2,940	2,980	3,060	2,980	3,070	3,170	3,260	3,340	3,040	3,020	3,000	2,980	2,980	2,980
Information & Financial Activities	700	710	800	540	670	700	720	750	690	690	690	700	700	700
Professional & Business Services	1,290	1,330	1,410	1,300	1,390	1,440	1,490	1,540	1,460	1,470	1,470	1,480	1,500	1,510
Educational & Health Services	1,290	1,330	1,410	1,300	1,390	1,440	1,490	1,540	1,460	1,470	1,470	1,480	1,500	1,510
Leisure, Hospitality, & Other Svcs.	660	680	770	540	670	700	720	730	650	640	620	620	620	610
Government	660	680	770	540	670	700	720	730	650	640	620	620	620	610
Total Nonagricultural	11,110	11,080	11,650	15,460	17,270	17,740	18,210	18,660	17,520	17,490	17,480	17,490	17,520	17,580
Population & Households:														
Population:	23,650	23,790	24,030	22,090	26,530	27,340	28,140	28,950	26,880	26,900	26,940	27,010	27,110	27,240
Households:	8,110	8,230	8,350	9,110	9,120	9,170	9,220	9,270	9,350	9,400	9,460	9,500	9,560	9,620
Persons per Household:	2.93	2.92	2.90	2.39	2.87	2.94	3.01	3.08	2.83	2.82	2.81	2.80	2.79	2.79
Personal Income:	(Millions)													
Current Year $:	$1,032	$1,081	$1,127	$978	$1,225	$1,305	$1,387	$1,477	$1,411	$1,461	$1,510	$1,561	$1,620	$1,686
2009 $:	916	940	961	820	1,008	1,051	1,093	1,140	1,068	1,084	1,099	1,114	1,133	1,156
Per Capita Personal Income:														
Current Year $:	$43,640	$45,440	$46,910	$44,250	$46,180	$47,730	$49,290	$51,000	$52,520	$54,300	$56,070	$57,820	$59,750	$61,890
2009 $:	38,730	39,510	39,980	37,100	37,990	38,450	38,860	39,360	39,730	40,270	40,780	41,250	41,800	42,430

Cassia County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	7,740	7,750	7,760	7,770	7,790	7,810	7,830	7,840	7,860	7,870	7,900	7,920	7,940	7,970
Manufacturing	1,350	1,330	1,330	1,320	1,300	1,290	1,280	1,260	1,250	1,230	1,220	1,210	1,200	1,190
Transp., Trade, & Utilities	2,920	2,930	2,940	2,940	2,940	2,940	2,930	2,930	2,920	2,920	2,910	2,900	2,880	2,860
Information & Financial Activities	400	400	400	390	390	390	380	380	370	370	370	360	360	350
Professional & Business Services	370	380	380	390	390	400	400	390	400	400	400	400	390	390
Educational & Health Services	1,520	1,550	1,570	1,580	1,590	1,590	1,600	1,610	1,640	1,670	1,690	1,720	1,750	1,780
Leisure, Hospitality, & Other Svcs.	850	850	850	840	840	840	840	840	840	840	840	830	830	820
Government	2,470	2,490	2,510	2,530	2,540	2,560	2,580	2,600	2,620	2,650	2,650	2,670	2,690	2,700
Total Nonagricultural	17,620	17,680	17,730	17,760	17,800	17,820	17,840	17,860	17,900	17,950	17,970	18,010	18,040	18,060
Population & Households:														
Population:	27,370	27,500	27,610	27,700	27,780	27,850	27,920	27,980	28,040	28,090	28,140	28,180	28,220	28,250
Households:	9,680	9,740	9,800	9,860	9,920	9,980	10,040	10,100	10,150	10,210	10,260	10,310	10,340	10,370
Persons per Household:	2.79	2.78	2.78	2.77	2.76	2.75	2.74	2.73	2.72	2.71	2.70	2.69	2.69	2.68
Personal Income:	(Millions)													
Current Year $:	$1,753	$1,823	$1,897	$1,972	$2,052	$2,134	$2,216	$2,301	$2,391	$2,488	$2,582	$2,683	$2,792	$2,905
2009 $:	1,177	1,200	1,223	1,244	1,269	1,292	1,314	1,336	1,358	1,383	1,405	1,428	1,454	1,480
Per Capita Personal Income:														
Current Year $:	$64,030	$66,290	$68,720	$71,180	$73,880	$76,620	$79,370	$82,250	$85,290	$88,570	$91,790	$95,210	$98,940	$102,840
2009 $:	43,010	43,630	44,290	44,930	45,670	46,390	47,060	47,740	48,450	49,250	49,950	50,690	51,540	52,400

Idaho Economics
Winter 2020 County Economic Forecasts

Clark County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	760	1,020	980	1,030	970	920	880	840	800
Population per Square Mile	0.4	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Total Households:	280	340	350	360	350	350	360	380	380
Persons per Household	2.68	2.98	2.83	2.86	2.76	2.60	2.41	2.22	2.09
Employment:									
Total Nonagricultural	320	510	520	530	500	470	440	420	390
Manufacturing:	10	30	30	20	20	20	20	20	20
Services	10	30	70	110	110	100	100	90	80

Clark County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	100	120	140	160	150	170	180	150	130	160	120	130	130	130	130
Manufacturing	10	30	30	40	30	40	40	40	30	40	20	20	20	20	20
Transp., Trade, & Utilities	30	40	50	50	40	20	50	40	30	30	70	90	90	50	50
Information & Financial Activities	10	20	20	30	30	30	30	30	20	20	20	30	30	30	30
Professional & Business Services	0	0	10	20	50	70	90	60	50	50	70	70	70	70	70
Educational & Health Services	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10
Leisure, Hospitality, & Other Svcs.	10	20	20	20	20	20	20	20	20	20	20	30	30	30	30
Government	150	190	230	200	190	180	190	210	210	200	170	160	150	140	140
Total Nonagricultural	320	420	510	510	510	540	620	580	520	540	450	460	480	430	420
Population & Households:															
Population:	760	870	1,020	930	950	950	980	960	980	950	880	880	890	890	870
Households:	280	310	340	330	340	350	350	350	350	330	300	300	300	290	290
Persons per Household:	2.92	2.87	2.83	2.78	2.76	2.74	2.76	2.77	2.83	2.86	2.89	2.90	2.91	2.92	2.93
Personal Income:	(Millions)														
Current Year $:	$25	$22	$23	$20	$18	$19	$27	$22	$23	$30	$23	$28	$24	$22	$22
2009 $:	37	29	28	29	27	29	37	35	30	42	43	43	46	46	45
Per Capita Personal Income:															
Current Year $:	$32,780	$25,200	$22,960	$28,620	$27,140	$30,160	$37,700	$36,570	$31,470	$45,420	$51,790	$53,740	$58,160	$58,800	$59,280
2009 $:	48,610	33,000	27,610	31,020	28,650	31,060	37,670	36,570	30,960	43,620	48,830	50,060	53,470	53,980	53,640

Clark County

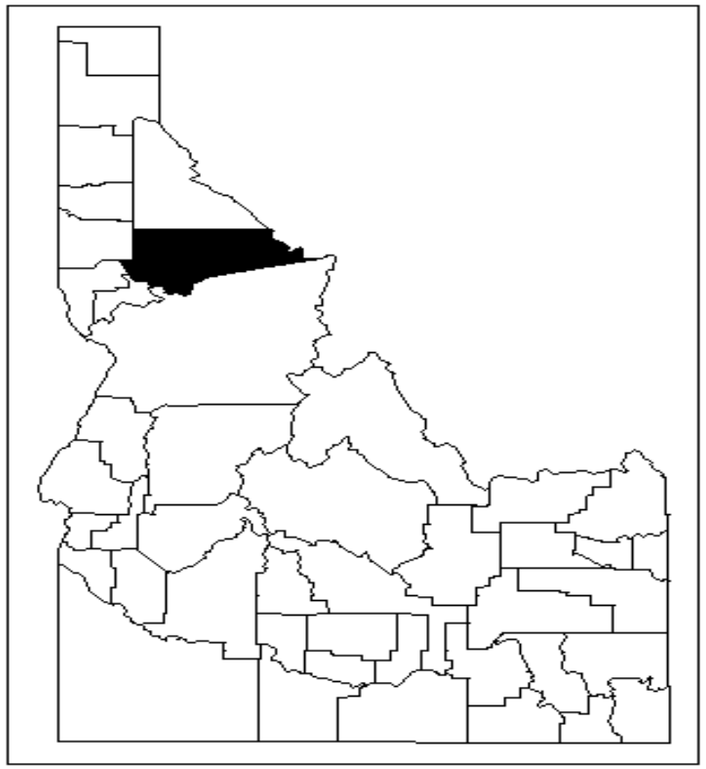
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	130	130	100	100	100	100	90	90	90	90	80	80	80	70
Manufacturing	20	20	170	20	20	20	20	20	20	20	20	20	20	20
Transp., Trade, & Utilities	70	70	70	150	140	140	140	140	140	140	130	130	130	130
Information & Financial Activities	100	100	90	80	80	80	80	80	80	80	80	80	80	80
Professional & Business Services	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Educational & Health Services	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Leisure, Hospitality, & Other Svcs.	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Government	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Total Nonagricultural	430	440	330	530	530	520	520	510	500	500	490	480	470	470
Population & Households:														
Population:	880	850	850	1,030	1,020	1,010	990	980	970	960	950	940	930	920
Households:	280	280	270	360	360	360	360	350	350	350	350	350	350	350
Persons per Household:	2.94	2.92	2.90	2.86	2.83	2.81	2.79	2.77	2.76	2.74	2.72	2.68	2.64	2.60
Personal Income:	(Millions)													
Current Year $:	$52	$53	$54	$56	$58	$59	$60	$61	$63	$64	$66	$67	$69	$71
2009 $:	46	46	46	47	48	48	47	47	48	48	48	48	48	48
Per Capita Personal Income:														
Current Year $:	$58,610	$62,230	$64,230	$54,440	$56,830	$58,710	$60,480	$62,570	$64,810	$67,200	$69,440	$71,530	$73,950	$76,870
2009 $:	52,020	54,110	54,750	45,640	46,750	47,300	47,670	48,290	49,020	49,840	50,520	51,030	51,730	52,710

Clark County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	70	70	70	70	60	60	60	60	60	60	60	50	50	50
Manufacturing	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Transp., Trade, & Utilities	110	110	110	110	110	110	110	110	100	100	100	100	100	100
Information & Financial Activities	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Professional & Business Services	60	60	60	60	60	60	60	60	60	50	50	50	50	50
Educational & Health Services	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Leisure, Hospitality, & Other Svcs.	30	30	30	30	30	30	30	30	30	30	30	30	30	20
Government	130	130	130	130	130	120	120	120	120	120	120	120	120	120
Total Nonagricultural	460	460	450	450	440	440	430	430	420	420	410	410	400	400
Population & Households:														
Population:	910	900	900	890	880	870	860	850	840	840	830	820	810	800
Households:	350	360	360	360	360	370	370	370	370	380	380	380	380	380
Persons per Household:	2.57	2.53	2.49	2.45	2.41	2.37	2.34	2.30	2.26	2.22	2.19	2.15	2.12	2.09
Personal Income:	(Millions)													
Current Year $:	$72	$75	$77	$79	$81	$84	$86	$88	$90	$93	$95	$98	$100	$103
2009 $:	49	49	50	50	50	51	51	51	51	52	52	52	52	53
Per Capita Personal Income:														
Current Year $:	$79,550	$82,680	$85,890	$89,160	$92,670	$96,290	$99,760	$103,450	$107,160	$111,380	$115,240	$119,440	$124,010	$128,760
2009 $:	53,440	54,410	55,360	56,280	57,290	58,300	59,150	60,050	60,870	61,930	62,710	63,590	64,600	65,610

Idaho Economics
Winter 2020 County Economic Forecasts

Clearwater County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	8,510	8,930	8,730	10,100	9,460	8,950	8,520	8,050	7,640
Population per Square Mile	3.5	3.6	3.5	4.1	3.8	3.6	3.5	3.3	3.1
Total Households:	3,210	3,490	3,660	4,720	4,860	5,000	5,130	5,270	5,330
Persons per Household	2.47	2.39	2.20	2.02	1.84	1.69	1.57	1.44	1.36
Employment:									
Total Nonagricultural	3,240	3,230	2,840	2,530	2,370	2,200	2,070	1,940	1,820
Manufacturing:	320	450	210	240	230	210	190	180	170
Services	590	700	810	820	790	730	700	660	640

Clearwater County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	410	320	250	220	240	250	220	150	360	330	320	370	360	360	360
Manufacturing	320	400	450	270	300	220	200	210	210	180	180	150	140	190	190
Transp., Trade, & Utilities	410	420	410	430	420	430	420	380	360	410	440	420	420	440	440
Information & Financial Activities	150	140	90	100	90	90	90	90	70	80	90	90	100	90	70
Professional & Business Services	140	120	130	100	90	90	90	80	80	80	70	90	90	60	70
Educational & Health Services	150	140	330	530	520	520	530	550	500	480	460	450	470	470	470
Leisure, Hospitality, & Other Svcs.	310	360	240	240	260	250	260	260	230	240	230	240	230	230	240
Government	1,350	1,390	1,320	1,170	1,150	1,140	1,090	1,070	1,070	1,030	1,010	980	1,010	1,020	1,010
Total Nonagricultural	3,240	3,290	3,230	3,050	3,070	3,050	2,980	2,900	2,840	2,790	2,770	2,750	2,770	2,790	2,760
Population & Households:															
Population:	8,510	8,990	8,930	8,660	8,780	8,790	8,760	8,760	8,730	8,610	8,580	8,570	8,560	8,550	8,650
Households:	3,210	3,420	3,490	3,630	3,720	3,750	3,730	3,680	3,660	3,650	3,640	3,670	3,670	3,700	3,730
Persons per Household:	2.35	2.32	2.28	2.23	2.20	2.19	2.19	2.22	2.20	2.20	2.20	2.19	2.18	2.17	2.15
Personal Income:	(Millions)														
Current Year $:	$118	$153	$182	$221	$234	$243	$246	$252	$253	$260	$261	$270	$275	$287	$292
2009 $:	175	200	222	249	256	262	254	262	259	259	257	260	263	273	278
Per Capita Personal Income:															
Current Year $:	$13,910	$17,000	$20,650	$26,430	$27,620	$28,840	$29,010	$29,840	$30,450	$31,310	$31,730	$32,370	$33,410	$34,670	$35,740
2009 $:	20,620	22,260	24,840	28,650	29,150	29,710	28,990	29,840	29,950	30,070	29,910	30,160	30,720	31,820	32,340

Clearwater County

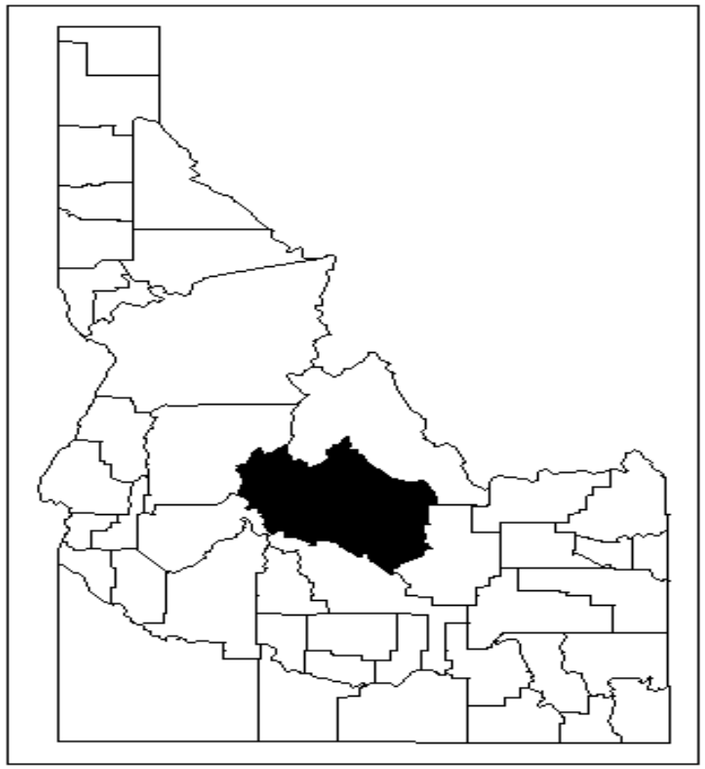
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	290	280	280	420	430	430	430	430	430	430	430	420	420	420
Manufacturing	180	170	150	240	240	240	230	230	230	220	220	220	210	210
Transp., Trade, & Utilities	480	410	420	520	510	500	490	480	470	460	450	440	430	420
Information & Financial Activities	130	130	130	320	320	320	310	310	310	300	300	300	300	290
Professional & Business Services	470	480	480	430	430	420	420	420	410	400	400	390	390	380
Educational & Health Services	470	480	480	430	430	420	420	420	410	400	400	390	390	380
Leisure, Hospitality, & Other Svcs.	200	200	190	170	170	170	170	160	160	150	140	140	140	130
Government	200	200	190	170	170	170	170	160	160	150	140	140	140	130
Total Nonagricultural	2,700	2,610	2,590	2,530	2,510	2,480	2,450	2,420	2,370	2,320	2,280	2,250	2,220	2,200
Population & Households:														
Population:	8,650	8,760	8,760	10,100	9,980	9,860	9,730	9,600	9,460	9,330	9,220	9,120	9,030	8,950
Households:	3,760	3,770	3,770	4,720	4,760	4,780	4,810	4,840	4,860	4,880	4,920	4,940	4,970	5,000
Persons per Household:	2.14	2.10	2.07	2.02	1.98	1.95	1.91	1.87	1.84	1.80	1.77	1.74	1.72	1.69
Personal Income:	(Millions)													
Current Year $:	$318	$326	$333	$336	$341	$346	$352	$357	$361	$365	$370	$375	$382	$389
2009 $:	283	284	284	282	280	279	277	275	273	271	269	268	267	267
Per Capita Personal Income:														
Current Year $:	$36,820	$37,230	$38,010	$33,310	$34,150	$35,140	$36,180	$37,170	$38,130	$39,100	$40,110	$41,150	$42,270	$43,470
2009 $:	32,680	32,370	32,400	27,920	28,090	28,310	28,520	28,690	28,840	29,000	29,180	29,360	29,560	29,800

Clearwater County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	420	420	410	410	410	410	410	410	410	410	410	410	410	410
Manufacturing	210	200	200	200	190	190	190	190	180	180	180	170	170	170
Transp., Trade, & Utilities	310	300	290	290	280	280	270	260	260	250	250	240	230	230
Information & Financial Activities	220	220	210	210	210	210	210	200	200	200	200	200	190	190
Professional & Business Services	190	190	190	180	180	180	180	180	180	180	180	170	170	170
Educational & Health Services	380	380	380	370	370	360	350	350	350	350	350	350	350	340
Leisure, Hospitality, & Other Svcs.	160	160	160	150	150	150	150	140	140	140	140	140	130	130
Government	300	290	280	270	260	260	250	240	230	230	210	210	200	190
Total Nonagricultural	2,170	2,150	2,120	2,090	2,070	2,040	2,010	1,980	1,960	1,940	1,910	1,880	1,860	1,830
Population & Households:														
Population:	8,870	8,790	8,700	8,610	8,520	8,420	8,330	8,240	8,140	8,050	7,960	7,860	7,770	7,680
Households:	5,020	5,050	5,070	5,100	5,130	5,160	5,190	5,220	5,250	5,270	5,300	5,320	5,340	5,360
Persons per Household:	1.67	1.64	1.62	1.59	1.57	1.54	1.52	1.49	1.47	1.44	1.42	1.40	1.38	1.36
Personal Income:	(Millions)													
Current Year $:	$397	$404	$412	$420	$429	$437	$445	$453	$462	$470	$479	$488	$498	$509
2009 $:	267	266	266	265	265	264	264	263	262	261	261	260	259	259
Per Capita Personal Income:														
Current Year $:	$44,760	$46,000	$47,360	$48,780	$50,320	$51,860	$53,380	$54,980	$56,680	$58,410	$60,170	$62,020	$64,090	$66,240
2009 $:	30,070	30,270	30,530	30,790	31,110	31,400	31,650	31,910	32,200	32,480	32,740	33,020	33,380	33,750

Idaho Economics
Winter 2020 County Economic Forecasts

Custer County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	4,180	4,340	4,360	5,780	5,510	5,330	5,140	4,920	4,720
Population per Square Mile	0.8	0.9	0.9	1.2	1.1	1.1	1.0	1.0	1.0
Total Households:	1,580	1,790	1,940	2,910	3,090	3,270	3,400	3,540	3,620
Persons per Household	2.59	2.38	2.20	1.96	1.76	1.61	1.49	1.37	1.29
Employment:									
Total Nonagricultural	1,680	1,640	1,670	1,620	1,510	1,400	1,300	1,200	1,110
Manufacturing:	10	10	0	70	70	70	70	70	70
Services	450	430	410	570	530	470	440	400	360

Custer County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	370	360	220	180	220	260	280	220	470	510	480	370	320	170	170
Manufacturing	10	10	10	10	10	10	10	10	0	10	10	10	10	10	10
Transp., Trade, & Utilities	250	260	340	340	260	280	290	280	240	220	210	210	220	240	250
Information & Financial Activities	100	120	90	90	90	100	100	100	80	80	80	80	80	70	70
Professional & Business Services	60	50	50	80	60	70	50	50	60	60	80	80	60	70	60
Educational & Health Services	60	70	90	120	120	100	90	90	60	80	100	90	90	90	80
Leisure, Hospitality, & Other Svcs.	320	340	290	240	250	290	350	330	290	290	280	300	330	350	370
Government	500	550	560	500	540	510	520	530	540	530	510	490	480	470	450
Total Nonagricultural	1,680	1,760	1,640	1,570	1,550	1,640	1,730	1,660	1,670	1,690	1,680	1,580	1,550	1,420	1,450
Population & Households:															
Population:	4,180	4,410	4,340	4,080	4,160	4,200	4,300	4,360	4,360	4,330	4,330	4,230	4,130	4,060	4,080
Households:	1,580	1,730	1,790	1,790	1,840	1,870	1,910	1,910	1,940	1,940	1,940	1,910	1,880	1,890	1,900
Persons per Household:	2.35	2.31	2.28	2.24	2.22	2.20	2.21	2.24	2.20	2.20	2.19	2.18	2.16	2.14	2.12
Personal Income:	(Millions)														
Current Year $:	$64	$84	$94	$111	$120	$133	$145	$151	$149	$157	$172	$174	$167	$166	$167
2009 $:	95	110	115	117	123	129	132	139	135	140	138	140	142	144	145
Per Capita Personal Income:															
Current Year $:	$15,370	$19,000	$22,000	$26,300	$27,970	$29,850	$30,670	$31,810	$31,570	$33,470	$33,770	$35,550	$37,150	$38,150	$39,140
2009 $:	22,800	24,880	26,460	28,500	29,530	30,740	30,650	31,810	31,060	32,140	31,840	33,120	34,160	35,020	35,420

Custer County

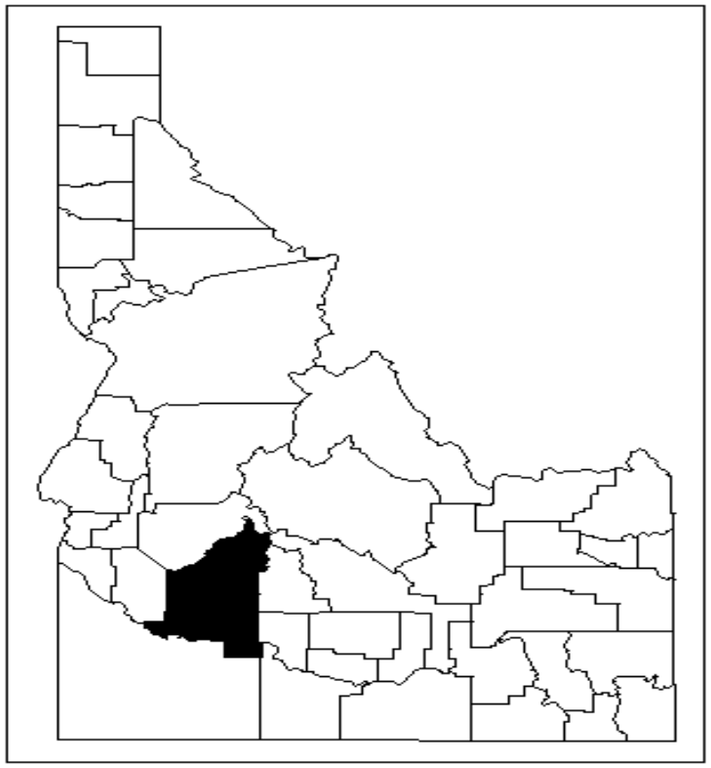
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	180	170	170	150	150	150	150	150	150	150	150	150	150	150
Manufacturing	10	30	20	70	70	70	70	70	70	70	70	70	70	70
Transp., Trade, & Utilities	280	280	300	570	570	560	560	550	540	540	530	530	520	520
Information & Financial Activities	100	110	100	150	150	140	140	140	140	140	140	140	140	130
Professional & Business Services	80	80	80	110	110	110	110	100	100	100	100	100	100	100
Educational & Health Services	80	80	80	110	110	110	110	100	100	100	100	100	100	100
Leisure, Hospitality, & Other Svcs.	330	350	360	340	340	330	320	320	300	290	280	280	270	260
Government	330	350	360	340	340	330	320	320	300	290	280	280	270	260
Total Nonagricultural	1,480	1,490	1,510	1,620	1,600	1,580	1,560	1,540	1,510	1,480	1,450	1,430	1,410	1,400
Population & Households:														
Population:	4,140	4,250	4,320	5,780	5,730	5,680	5,620	5,570	5,510	5,450	5,410	5,380	5,360	5,330
Households:	1,910	1,910	1,920	2,910	2,940	2,980	3,020	3,060	3,090	3,130	3,180	3,210	3,240	3,270
Persons per Household:	2.10	2.06	2.02	1.96	1.92	1.88	1.84	1.80	1.76	1.72	1.68	1.65	1.63	1.61
Personal Income:	(Millions)													
Current Year $:	$166	$169	$173	$175	$178	$181	$184	$187	$189	$192	$195	$199	$203	$207
2009 $:	147	147	147	147	146	146	145	144	143	142	142	142	142	142
Per Capita Personal Income:														
Current Year $:	$40,020	$39,820	$39,990	$30,210	$31,010	$31,870	$32,740	$33,570	$34,360	$35,150	$36,020	$36,900	$37,860	$38,900
2009 $:	35,530	34,620	34,080	25,330	25,510	25,680	25,810	25,910	25,990	26,070	26,200	26,320	26,480	26,670

Custer County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	150	150	150	150	160	160	160	160	160	160	160	160	160	160
Manufacturing	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Transp., Trade, & Utilities	420	420	420	410	410	400	400	390	390	390	380	380	370	370
Information & Financial Activities	160	150	150	150	150	150	150	150	140	140	140	140	140	140
Professional & Business Services	70	70	70	70	70	70	60	60	60	60	60	60	60	60
Educational & Health Services	100	100	100	90	90	90	90	90	90	90	90	90	90	90
Leisure, Hospitality, & Other Svcs.	300	300	290	280	280	270	270	260	260	250	250	240	230	230
Government	270	260	260	260	250	250	240	240	230	240	230	220	220	210
Total Nonagricultural	1,380	1,360	1,340	1,320	1,300	1,280	1,260	1,240	1,220	1,200	1,180	1,160	1,140	1,120
Population & Households:														
Population:	5,300	5,260	5,230	5,180	5,140	5,090	5,050	5,010	4,960	4,920	4,870	4,830	4,780	4,730
Households:	3,300	3,330	3,350	3,380	3,400	3,430	3,460	3,490	3,510	3,540	3,560	3,590	3,610	3,630
Persons per Household:	1.58	1.56	1.54	1.51	1.49	1.47	1.44	1.42	1.39	1.37	1.35	1.33	1.31	1.29
Personal Income:	(Millions)													
Current Year $:	$212	$216	$220	$224	$229	$233	$237	$242	$246	$251	$256	$261	$267	$273
2009 $:	142	142	142	142	141	141	141	140	140	140	139	139	139	139
Per Capita Personal Income:														
Current Year $:	$39,980	$41,030	$42,150	$43,300	$44,530	$45,760	$46,960	$48,250	$49,640	$51,090	$52,540	$54,080	$55,810	$57,620
2009 $:	26,860	27,000	27,170	27,330	27,530	27,700	27,840	28,010	28,200	28,410	28,590	28,800	29,070	29,360

Idaho Economics
Winter 2020 County Economic Forecasts

Elmore County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	21,360	28,610	27,120	35,030	40,390	39,870	40,050	40,080	40,400
Population per Square Mile	6.9	9.3	8.8	11.4	13.1	13.0	13.0	13.0	13.1
Total Households:	7,190	9,170	10,140	16,750	15,970	15,900	16,140	16,440	16,770
Persons per Household	2.55	2.68	2.29	1.91	2.30	2.28	2.26	2.22	2.20
Employment:									
Total Nonagricultural	5,340	6,540	6,560	10,320	12,960	12,700	12,660	12,600	12,520
Manufacturing:	240	450	390	1,570	1,780	1,750	1,730	1,700	1,680
Services	1,230	1,540	1,780	2,450	4,130	3,970	3,960	3,910	3,910

Elmore County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	430	490	360	370	420	450	400	310	700	670	660	630	660	700	750
Manufacturing	240	430	450	240	220	320	420	450	390	390	400	460	520	530	550
Transp., Trade, & Utilities	1,010	1,080	1,390	1,310	1,280	1,330	1,300	1,140	1,110	1,050	1,030	1,070	1,120	1,160	1,170
Information & Financial Activities	340	340	310	380	380	420	360	310	280	270	260	280	280	270	270
Professional & Business Services	320	270	340	350	350	420	410	430	370	310	200	280	320	300	300
Educational & Health Services	330	330	340	530	550	580	560	600	510	510	520	720	1,000	820	850
Leisure, Hospitality, & Other Svcs.	580	770	860	960	970	990	980	910	910	880	850	820	840	890	930
Government	2,090	2,230	2,500	2,310	2,310	2,350	2,370	2,310	2,340	2,270	2,240	2,040	1,860	1,820	1,880
Total Nonagricultural	5,340	5,950	6,540	6,450	6,500	6,980	6,980	6,720	6,560	6,310	6,100	6,290	6,560	6,520	6,710
Population & Households:															
Population:	21,360	25,080	28,610	25,920	25,930	26,600	26,930	26,770	27,120	26,220	26,290	26,270	26,230	25,830	26,140
Households:	7,190	8,040	9,170	9,920	9,990	10,300	10,350	10,160	10,140	9,730	9,700	9,670	9,650	9,640	9,650
Persons per Household:	2.53	2.41	2.30	2.25	2.23	2.22	2.24	2.27	2.29	2.31	2.32	2.32	2.32	2.33	2.33
Personal Income:	(Millions)														
Current Year $:	$386	$444	$626	$715	$720	$742	$779	$743	$758	$774	$793	$837	$877	$909	$930
2009 $:	572	581	754	866	877	901	914	910	917	908	904	940	963	993	1,008
Per Capita Personal Income:															
Current Year $:	$18,050	$17,680	$21,900	$30,760	$31,970	$32,820	$33,930	$33,960	$34,410	$36,110	$36,580	$38,530	$40,090	$41,410	$42,630
2009 $:	26,770	23,160	26,340	33,340	33,750	33,810	33,910	33,960	33,850	34,670	34,490	35,890	36,860	38,010	38,570

Elmore County

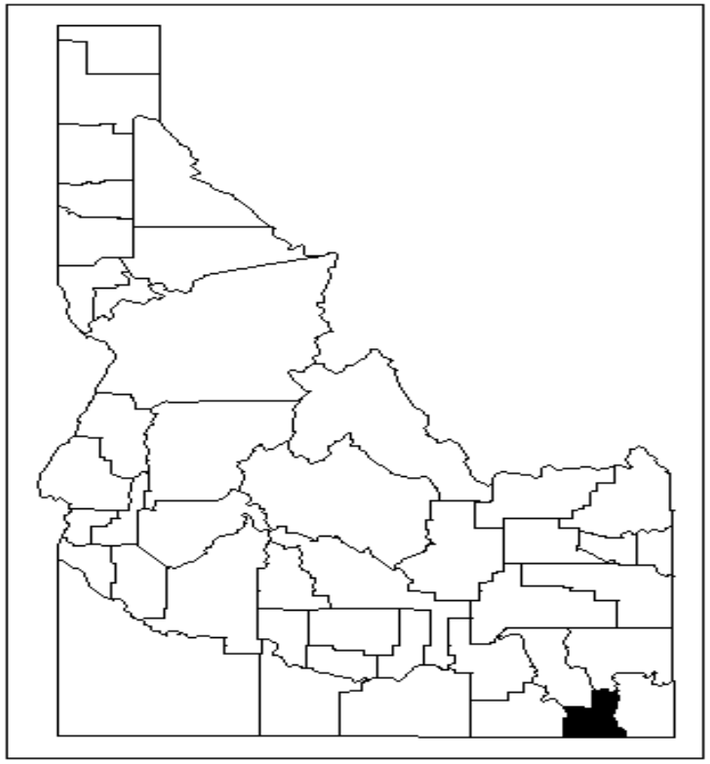
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	780	850	840	2,610	2,890	2,940	3,000	3,050	2,940	2,940	2,940	2,950	2,950	2,950
Manufacturing	620	720	750	1,570	1,770	1,800	1,830	1,870	1,780	1,780	1,770	1,770	1,760	1,750
Transp., Trade, & Utilities	1,230	1,340	1,310	1,190	1,480	1,510	1,550	1,580	1,430	1,420	1,400	1,380	1,370	1,340
Information & Financial Activities	550	490	480	870	980	1,000	1,020	1,040	980	970	970	960	960	950
Professional & Business Services	840	830	870	820	930	2,320	2,370	2,400	2,310	2,300	2,290	2,280	2,270	2,250
Educational & Health Services	840	830	870	820	930	2,320	2,370	2,400	2,310	2,300	2,290	2,280	2,270	2,250
Leisure, Hospitality, & Other Svcs.	750	790	800	860	1,010	1,030	1,050	1,060	970	950	930	910	900	890
Government	750	790	800	860	1,010	1,030	1,050	1,060	970	950	930	910	900	890
Total Nonagricultural	6,850	7,090	7,150	10,320	11,610	13,230	13,500	13,760	12,960	12,900	12,830	12,770	12,730	12,700
Population & Households:														
Population:	26,880	27,360	27,510	35,030	40,520	41,370	42,230	43,090	40,390	40,290	40,150	40,030	39,950	39,870
Households:	9,670	9,720	9,780	16,750	16,040	15,940	15,830	15,710	15,970	15,940	15,900	15,900	15,900	15,900
Persons per Household:	2.32	2.32	2.31	1.91	2.30	2.36	2.42	2.49	2.30	2.30	2.30	2.29	2.29	2.28
Personal Income:	(Millions)													
Current Year $:	$1,150	$1,189	$1,225	$1,039	$1,293	$1,370	$1,448	$1,528	$1,446	$1,480	$1,510	$1,540	$1,574	$1,602
2009 $:	1,021	1,034	1,045	871	1,064	1,103	1,142	1,179	1,094	1,098	1,098	1,099	1,101	1,098
Per Capita Personal Income:														
Current Year $:	$42,790	$43,470	$44,540	$29,650	$31,920	$33,110	$34,300	$35,460	$35,810	$36,740	$37,600	$38,470	$39,410	$40,160
2009 $:	37,980	37,800	37,970	24,860	26,260	26,670	27,040	27,370	27,090	27,250	27,350	27,440	27,560	27,540

Elmore County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,960	2,960	2,970	2,980	2,990	3,000	3,010	3,020	3,020	3,030	3,040	3,050	3,060	3,080
Manufacturing	1,750	1,750	1,740	1,740	1,730	1,730	1,720	1,720	1,710	1,700	1,700	1,690	1,690	1,690
Transp., Trade, & Utilities	1,270	1,270	1,270	1,260	1,260	1,250	1,240	1,230	1,230	1,210	1,210	1,200	1,190	1,180
Information & Financial Activities	320	320	310	310	300	300	290	290	290	280	280	270	270	260
Professional & Business Services	700	700	700	700	700	700	700	700	690	690	690	680	680	670
Educational & Health Services	2,270	2,270	2,280	2,280	2,280	2,270	2,270	2,270	2,280	2,280	2,300	2,300	2,320	2,320
Leisure, Hospitality, & Other Svcs.	1,020	1,010	1,000	990	980	980	970	960	960	950	950	940	930	920
Government	2,390	2,400	2,400	2,400	2,410	2,410	2,420	2,420	2,420	2,470	2,420	2,430	2,430	2,430
Total Nonagricultural	12,680	12,680	12,670	12,660	12,660	12,640	12,620	12,610	12,600	12,600	12,580	12,580	12,560	12,550
Population & Households:														
Population:	39,920	39,960	40,000	40,030	40,050	40,070	40,080	40,080	40,080	40,080	40,070	40,050	40,030	40,010
Households:	15,940	15,970	16,020	16,080	16,140	16,200	16,260	16,330	16,390	16,440	16,490	16,540	16,570	16,590
Persons per Household:	2.28	2.28	2.27	2.27	2.26	2.25	2.24	2.24	2.23	2.22	2.21	2.21	2.20	2.20
Personal Income:	(Millions)													
Current Year $:	$1,661	$1,709	$1,761	$1,816	$1,873	$1,932	$1,988	$2,047	$2,109	$2,159	$2,238	$2,307	$2,385	$2,465
2009 $:	1,116	1,125	1,135	1,146	1,158	1,169	1,179	1,188	1,198	1,200	1,218	1,229	1,242	1,256
Per Capita Personal Income:														
Current Year $:	$41,600	$42,770	$44,030	$45,360	$46,770	$48,210	$49,600	$51,080	$52,620	$53,870	$55,850	$57,610	$59,570	$61,610
2009 $:	27,940	28,150	28,380	28,630	28,920	29,190	29,410	29,650	29,890	29,950	30,390	30,670	31,030	31,390

Idaho Economics
Winter 2020 County Economic Forecasts

Franklin County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	9,290	11,350	12,780	12,730	14,270	15,960	17,520	19,250	21,040
Population per Square Mile	14.0	17.1	19.2	19.1	21.4	24.0	26.3	28.9	31.6
Total Households:	2,760	3,510	4,040	4,040	4,480	4,960	5,370	5,840	6,310
Persons per Household	3.26	3.14	3.07	3.05	3.08	3.11	3.15	3.19	3.23
Employment:									
Total Nonagricultural	1,730	2,600	3,020	3,250	3,530	3,650	3,830	3,980	4,130
Manufacturing:	310	220	130	230	230	210	190	170	160
Services	250	510	560	400	450	480	510	550	580

Franklin County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	140	160	230	440	490	510	510	380	420	410	400	450	480	450	500
Manufacturing	310	270	220	200	190	220	180	150	130	130	150	160	190	220	250
Transp., Trade, & Utilities	410	510	560	770	780	850	810	790	800	800	820	830	860	920	910
Information & Financial Activities	80	120	150	200	210	220	200	190	190	180	170	160	140	150	140
Professional & Business Services	20	20	30	70	80	120	110	100	80	80	100	100	110	110	150
Educational & Health Services	60	80	120	140	170	190	190	170	170	180	180	180	170	170	180
Leisure, Hospitality, & Other Svcs.	180	240	360	320	300	310	290	290	300	290	250	290	280	310	330
Government	530	690	920	1,160	1,170	1,220	1,210	1,240	1,000	1,000	1,000	1,010	1,020	1,030	1,020
Total Nonagricultural	1,730	2,090	2,600	3,310	3,400	3,310	3,260	3,070	3,020	2,990	3,000	3,120	3,210	3,320	3,480
Population & Households:															
Population:	9,290	10,240	11,350	12,080	12,090	12,280	12,570	12,760	12,780	12,810	12,800	12,800	12,910	12,960	13,320
Households:	2,760	3,030	3,510	3,910	3,950	4,020	4,080	4,070	4,040	3,960	3,930	3,910	3,970	4,020	4,090
Persons per Household:	3.10	3.06	3.03	2.99	2.97	2.97	2.99	3.04	3.07	3.14	3.16	3.19	3.19	3.18	3.17
Personal Income:	(Millions)														
Current Year $:	$105	$146	$212	$268	$276	$306	$318	$311	$330	$343	$368	$375	$405	$427	$439
2009 $:	156	191	259	310	314	339	345	338	340	346	365	377	393	405	415
Per Capita Personal Income:															
Current Year $:	$11,310	$14,250	$18,920	$23,720	$24,520	$26,750	$27,450	$26,470	$27,040	$28,120	$30,220	$31,440	$32,750	$33,440	$34,300
2009 $:	16,770	18,660	22,760	25,700	25,880	27,550	27,440	26,470	26,600	27,010	28,490	29,290	30,110	30,700	31,040

Franklin County

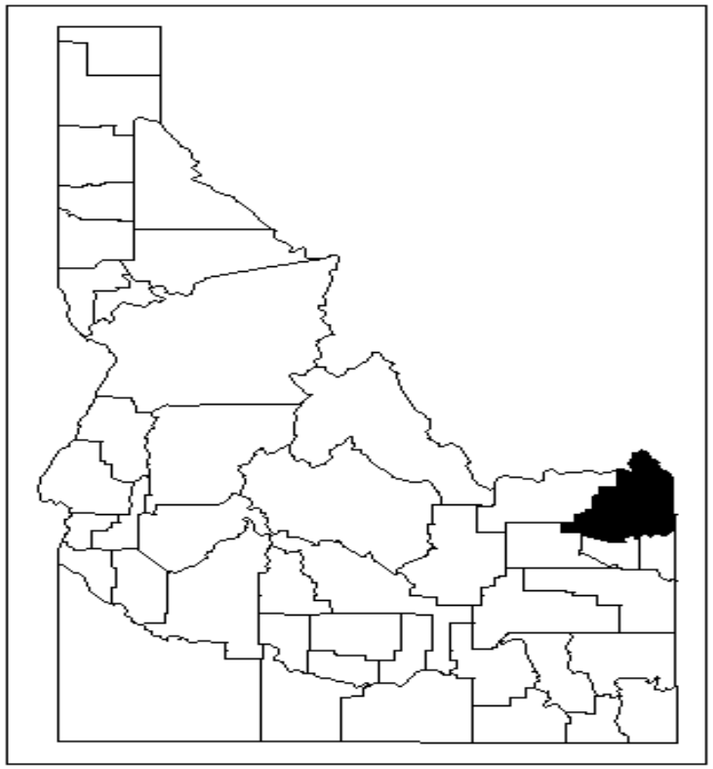
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	510	510	530	520	530	550	550	560	560	560	560	560	550	550
Manufacturing	240	290	270	230	230	230	230	230	230	220	220	220	210	210
Transp., Trade, & Utilities	980	960	920	960	970	980	990	1,000	1,000	1,010	1,020	1,030	1,040	1,050
Information & Financial Activities	230	240	260	200	210	210	220	220	230	230	230	240	240	240
Professional & Business Services	180	190	210	90	100	100	110	110	120	120	130	130	140	140
Educational & Health Services	180	190	210	90	100	100	110	110	120	120	130	130	140	140
Leisure, Hospitality, & Other Svcs.	290	290	280	110	110	120	120	120	110	110	100	100	100	100
Government	290	290	280	110	110	120	120	120	110	110	100	100	100	100
Total Nonagricultural	3,530	3,590	3,600	3,250	3,300	3,370	3,440	3,480	3,530	3,550	3,570	3,600	3,620	3,650
Population & Households:														
Population:	13,470	13,700	13,880	12,730	13,030	13,340	13,640	13,960	14,270	14,580	14,920	15,260	15,610	15,960
Households:	4,160	4,260	4,370	4,040	4,130	4,220	4,300	4,390	4,480	4,570	4,670	4,770	4,870	4,960
Persons per Household:	3.16	3.16	3.16	3.05	3.05	3.06	3.06	3.07	3.08	3.08	3.09	3.09	3.10	3.11
Personal Income:	(Millions)													
Current Year $:	$482	$511	$541	$574	$606	$639	$674	$710	$746	$784	$823	$863	$905	$951
2009 $:	428	444	461	481	498	515	531	548	565	582	599	616	633	652
Per Capita Personal Income:														
Current Year $:	$35,810	$37,260	$38,950	$45,080	$46,480	$47,890	$49,410	$50,850	$52,300	$53,760	$55,190	$56,560	$57,980	$59,600
2009 $:	31,790	32,400	33,200	37,790	38,240	38,580	38,950	39,240	39,560	39,870	40,150	40,350	40,560	40,870

Franklin County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	550	550	550	560	560	560	550	550	540	540	540	530	530	530
Manufacturing	210	200	200	200	190	190	180	180	180	170	170	170	170	160
Transp., Trade, & Utilities	1,000	1,010	1,020	1,030	1,040	1,050	1,060	1,070	1,070	1,080	1,090	1,090	1,100	1,100
Information & Financial Activities	120	120	120	120	120	120	120	120	120	130	130	130	130	130
Professional & Business Services	190	200	200	200	200	210	210	210	210	210	210	220	220	220
Educational & Health Services	150	150	160	160	170	170	180	180	190	200	210	210	220	230
Leisure, Hospitality, & Other Svcs.	140	140	140	140	140	140	140	130	130	130	130	130	130	130
Government	1,330	1,350	1,360	1,390	1,410	1,430	1,450	1,470	1,490	1,510	1,540	1,560	1,580	1,610
Total Nonagricultural	3,690	3,720	3,760	3,790	3,830	3,860	3,890	3,920	3,950	3,980	4,010	4,040	4,070	4,110
Population & Households:														
Population:	16,270	16,590	16,910	17,220	17,520	17,850	18,190	18,540	18,890	19,250	19,620	19,990	20,370	20,750
Households:	5,040	5,120	5,210	5,290	5,370	5,460	5,560	5,650	5,750	5,840	5,940	6,040	6,130	6,220
Persons per Household:	3.12	3.13	3.14	3.15	3.15	3.16	3.17	3.17	3.18	3.19	3.19	3.20	3.21	3.23
Personal Income:	(Millions)													
Current Year $:	$999	$1,049	$1,102	$1,158	$1,217	$1,278	$1,340	$1,406	$1,476	$1,551	$1,628	$1,709	$1,797	$1,891
2009 $:	671	690	710	731	752	774	794	816	839	862	886	910	936	963
Per Capita Personal Income:														
Current Year $:	$61,390	$63,220	$65,140	$67,260	$69,450	$71,580	$73,640	$75,840	$78,140	$80,560	$82,990	$85,500	$88,240	$91,100
2009 $:	41,240	41,600	41,990	42,450	42,930	43,340	43,660	44,020	44,390	44,790	45,160	45,530	45,960	46,420

Idaho Economics
Winter 2020 County Economic Forecasts

Fremont County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	10,970	11,770	13,230	12,510	12,660	12,730	12,660	12,510	12,360
Population per Square Mile	5.9	6.3	7.1	6.7	6.8	6.8	6.8	6.7	6.6
Total Households:	3,480	3,920	4,440	4,570	5,040	5,440	5,740	6,060	6,290
Persons per Household	3.14	2.99	2.97	2.73	2.50	2.33	2.20	2.06	1.96
Employment:									
Total Nonagricultural	2,420	2,830	2,890	3,190	3,270	3,250	3,220	3,180	3,150
Manufacturing:	130	60	40	500	490	490	480	470	470
Services	410	570	620	740	750	740	730	710	700

Fremont County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	260	300	360	350	340	380	330	270	360	570	540	550	680	500	500
Manufacturing	130	30	60	50	50	40	40	50	40	50	40	30	30	40	40
Transp., Trade, & Utilities	510	550	580	510	500	540	520	490	460	490	470	500	500	510	550
Information & Financial Activities	100	120	100	130	140	160	150	140	110	100	90	120	80	70	80
Professional & Business Services	40	50	80	130	110	60	50	50	90	100	110	110	100	100	100
Educational & Health Services	130	130	160	220	210	190	200	200	180	180	160	160	160	180	200
Leisure, Hospitality, & Other Svcs.	240	320	330	320	370	390	410	410	340	320	320	360	380	360	380
Government	1,010	1,100	1,170	1,130	1,120	1,170	1,160	1,200	1,200	1,190	1,160	1,120	1,100	1,100	990
Total Nonagricultural	2,420	2,610	2,830	2,850	2,840	2,990	2,940	2,910	2,890	2,870	2,810	2,960	2,930	2,730	2,850
Population & Households:															
Population:	10,970	11,570	11,770	12,610	12,770	13,010	13,110	13,170	13,230	13,110	12,970	12,870	12,800	12,810	12,910
Households:	3,480	3,720	3,920	4,330	4,400	4,480	4,470	4,430	4,440	4,400	4,360	4,360	4,370	4,410	4,460
Persons per Household:	2.97	2.95	2.93	2.91	2.90	2.90	2.93	2.97	2.97	2.98	2.97	2.96	2.94	2.92	2.90
Personal Income:	(Millions)														
Current Year $:	$143	$174	$225	$253	$277	$297	$332	$350	$346	$372	$380	$416	$416	$432	$445
2009 $:	212	228	273	303	324	335	338	355	335	347	359	384	395	403	411
Per Capita Personal Income:															
Current Year $:	$13,030	$15,040	$19,270	$22,130	$24,020	$24,940	$25,800	$26,890	$25,760	$27,550	$29,290	$31,890	$33,360	$34,000	$35,030
2009 $:	19,320	19,690	23,180	23,980	25,350	25,680	25,790	26,890	25,340	26,460	27,610	29,710	30,670	31,210	31,700

Fremont County

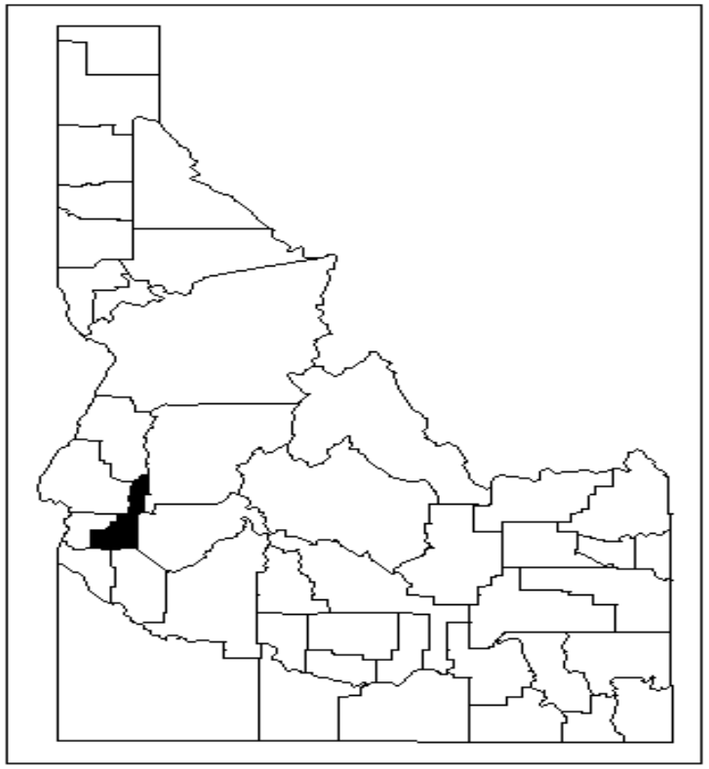
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	530	500	550	790	800	810	810	820	820	820	820	810	810	810
Manufacturing	50	100	100	500	500	500	490	490	490	490	490	490	490	490
Transp., Trade, & Utilities	550	540	550	540	540	540	540	540	530	530	520	520	510	510
Information & Financial Activities	200	220	230	310	310	310	320	320	320	320	320	320	320	320
Professional & Business Services	200	190	200	180	190	190	190	190	190	200	200	200	200	200
Educational & Health Services	200	190	200	180	190	190	190	190	190	200	200	200	200	200
Leisure, Hospitality, & Other Svcs.	320	340	370	240	240	240	240	240	230	220	220	210	210	210
Government	320	340	370	240	240	240	240	240	230	220	220	210	210	210
Total Nonagricultural	2,930	3,020	3,130	3,190	3,210	3,230	3,250	3,260	3,270	3,260	3,250	3,250	3,250	3,250
Population & Households:														
Population:	13,120	13,160	13,100	12,510	12,540	12,570	12,600	12,630	12,660	12,680	12,690	12,700	12,710	12,730
Households:	4,530	4,580	4,640	4,570	4,660	4,750	4,850	4,940	5,040	5,140	5,240	5,310	5,380	5,440
Persons per Household:	2.88	2.84	2.79	2.73	2.68	2.64	2.59	2.55	2.50	2.46	2.41	2.39	2.36	2.33
Personal Income:	(Millions)													
Current Year $:	$477	$498	$517	$536	$556	$577	$600	$623	$647	$671	$695	$719	$745	$773
2009 $:	423	433	441	450	457	465	473	481	489	498	506	513	521	530
Per Capita Personal Income:														
Current Year $:	$36,360	$37,840	$39,500	$42,860	$44,320	$45,910	$47,580	$49,340	$51,110	$52,950	$54,790	$56,650	$58,620	$60,750
2009 $:	32,270	32,900	33,670	35,930	36,460	36,980	37,510	38,080	38,660	39,270	39,860	40,410	41,010	41,650

Fremont County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	800	800	800	800	800	800	790	790	790	790	790	790	790	790
Manufacturing	480	480	480	480	480	480	480	470	470	470	470	470	470	470
Transp., Trade, & Utilities	500	500	500	500	490	490	480	480	470	470	470	460	450	450
Information & Financial Activities	170	170	170	170	170	170	170	170	160	160	160	160	160	160
Professional & Business Services	150	150	150	150	160	160	150	150	150	150	150	150	150	150
Educational & Health Services	200	200	200	200	200	200	200	200	200	200	210	210	210	210
Leisure, Hospitality, & Other Svcs.	380	380	380	370	370	360	360	360	360	350	350	350	340	340
Government	540	550	550	550	560	560	560	570	570	580	580	580	580	590
Total Nonagricultural	3,240	3,240	3,230	3,230	3,220	3,210	3,200	3,190	3,180	3,180	3,170	3,160	3,150	3,150
Population & Households:														
Population:	12,720	12,720	12,700	12,680	12,660	12,640	12,610	12,580	12,540	12,510	12,470	12,430	12,380	12,340
Households:	5,500	5,560	5,620	5,680	5,740	5,810	5,870	5,940	6,000	6,060	6,120	6,180	6,230	6,280
Persons per Household:	2.31	2.28	2.25	2.23	2.20	2.17	2.14	2.11	2.08	2.06	2.03	2.00	1.98	1.96
Personal Income:	(Millions)													
Current Year $:	$800	$827	$857	$888	$921	$955	$988	$1,023	$1,060	$1,099	$1,135	$1,173	$1,215	$1,258
2009 $:	538	545	553	560	570	578	586	594	602	611	618	625	633	641
Per Capita Personal Income:														
Current Year $:	$62,910	$65,070	$67,500	$69,980	$72,760	$75,560	$78,400	$81,370	$84,540	$87,850	$91,020	$94,390	$98,070	$101,930
2009 $:	42,260	42,820	43,510	44,170	44,980	45,750	46,480	47,230	48,030	48,850	49,530	50,260	51,090	51,940

Idaho Economics
Winter 2020 County Economic Forecasts

Gem County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	12,010	15,220	16,690	23,930	25,250	26,940	29,070	31,340	33,500
Population per Square Mile	21.3	27.1	29.7	42.5	44.9	47.9	51.7	55.7	59.5
Total Households:	4,440	5,600	6,510	9,020	9,050	9,200	9,480	9,820	10,110
Persons per Household	2.67	2.70	2.54	2.63	2.76	2.90	3.04	3.16	3.28
Employment:									
Total Nonagricultural	2,540	3,180	3,090	5,760	6,150	6,570	7,130	7,730	8,330
Manufacturing:	670	470	180	770	790	810	830	850	860
Services	420	670	1,030	1,760	1,940	2,160	2,440	2,750	3,120

Gem County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	200	290	330	400	490	480	370	250	340	350	350	350	400	470	470
Manufacturing	670	560	470	100	150	150	150	130	180	170	110	120	140	130	140
Transp., Trade, & Utilities	520	640	740	680	730	690	700	610	580	550	590	580	570	600	650
Information & Financial Activities	110	140	150	160	220	190	160	120	100	100	100	100	90	100	110
Professional & Business Services	50	50	90	150	120	100	100	110	100	80	90	100	100	100	130
Educational & Health Services	180	280	300	520	550	560	620	620	610	610	630	690	750	840	860
Leisure, Hospitality, & Other Svcs.	180	270	290	340	330	350	340	350	320	280	280	290	320	330	360
Government	610	750	810	870	890	880	880	890	910	910	910	930	920	940	930
Total Nonagricultural	2,540	2,990	3,180	3,230	3,470	3,410	3,300	3,050	3,090	2,990	3,010	3,080	3,220	3,470	3,650
Population & Households:															
Population:	12,010	13,850	15,220	16,300	16,630	16,830	16,940	16,810	16,690	16,690	16,630	16,570	16,650	16,690	16,960
Households:	4,440	5,050	5,600	6,380	6,550	6,650	6,650	6,540	6,510	6,500	6,490	6,460	6,490	6,480	6,480
Persons per Household:	2.66	2.62	2.58	2.54	2.52	2.51	2.52	2.54	2.54	2.54	2.55	2.56	2.57	2.57	2.57
Personal Income:	(Millions)														
Current Year $:	$163	$232	$303	$362	$407	$432	$467	$454	$451	$464	$480	$515	$530	$561	$579
2009 $:	242	304	368	413	443	460	474	462	450	437	459	476	491	502	508
Per Capita Personal Income:															
Current Year $:	$13,570	$16,770	$20,010	$23,270	$25,160	$26,500	$27,980	$27,450	$27,330	$27,180	$29,090	$30,500	$31,590	$32,330	$33,230
2009 $:	20,120	21,960	24,070	25,220	26,560	27,290	27,970	27,450	26,880	26,100	27,420	28,410	29,040	29,680	30,070

Gem County

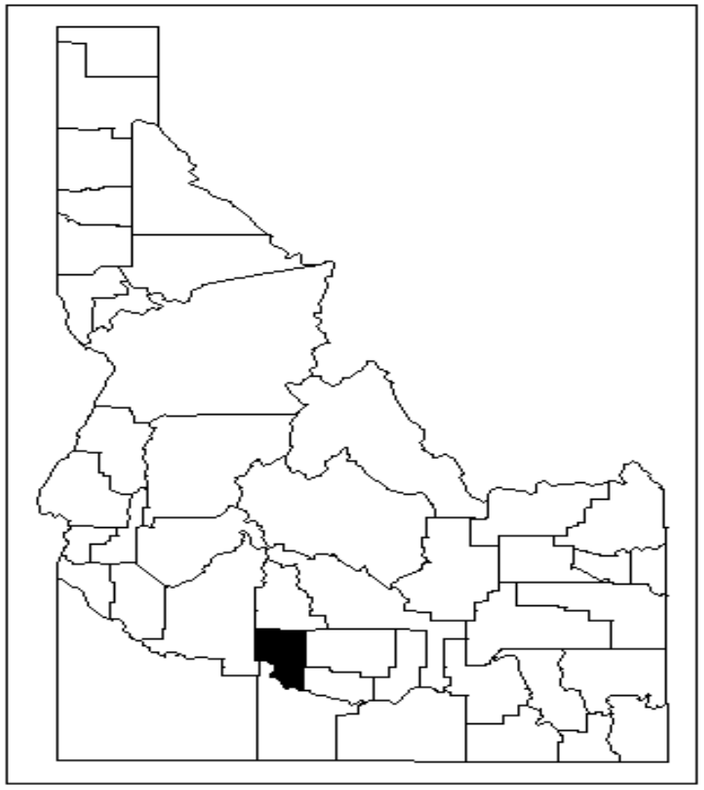
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	490	480	470	650	670	680	700	710	720	730	740	750	760	770
Manufacturing	140	220	270	770	770	780	780	790	790	800	800	800	810	810
Transp., Trade, & Utilities	660	690	730	1,510	1,520	1,530	1,530	1,540	1,540	1,550	1,560	1,560	1,570	1,580
Information & Financial Activities	250	270	310	810	810	820	830	830	840	850	850	860	870	880
Professional & Business Services	890	690	700	700	720	750	770	800	830	860	880	910	950	980
Educational & Health Services	890	690	700	700	720	750	770	800	830	860	880	910	950	980
Leisure, Hospitality, & Other Svcs.	290	320	320	330	340	350	350	360	360	360	360	370	370	380
Government	290	320	320	330	340	350	350	360	360	360	360	370	370	380
Total Nonagricultural	3,750	3,700	3,820	5,760	5,830	5,920	6,000	6,080	6,150	6,220	6,290	6,380	6,470	6,570
Population & Households:														
Population:	17,310	17,590	18,110	23,930	24,190	24,450	24,710	24,980	25,250	25,530	25,830	26,180	26,550	26,940
Households:	6,500	6,590	6,690	9,020	9,040	9,040	9,050	9,050	9,050	9,050	9,060	9,100	9,160	9,200
Persons per Household:	2.56	2.58	2.59	2.63	2.65	2.68	2.71	2.73	2.76	2.79	2.82	2.85	2.87	2.90
Personal Income:	(Millions)													
Current Year $:	$585	$618	$649	$695	$728	$767	$810	$856	$903	$955	$1,007	$1,062	$1,123	$1,195
2009 $:	520	537	554	582	599	618	638	660	683	708	733	758	786	819
Per Capita Personal Income:														
Current Year $:	$33,820	$35,110	$35,860	$29,030	$30,100	$31,370	$32,770	$34,260	$35,770	$37,400	$39,000	$40,590	$42,310	$44,340
2009 $:	30,020	30,530	30,570	24,340	24,760	25,270	25,830	26,440	27,060	27,740	28,370	28,960	29,590	30,400

Gem County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	780	790	800	820	830	850	860	880	900	910	930	950	970	990
Manufacturing	820	820	820	830	830	830	840	840	840	850	850	850	860	860
Transp., Trade, & Utilities	1,580	1,590	1,610	1,620	1,630	1,640	1,650	1,660	1,670	1,680	1,690	1,700	1,700	1,710
Information & Financial Activities	120	120	120	120	120	120	120	120	120	120	120	120	130	130
Professional & Business Services	780	790	790	800	810	820	820	830	830	840	850	850	860	860
Educational & Health Services	1,020	1,060	1,100	1,140	1,180	1,210	1,250	1,300	1,360	1,410	1,470	1,530	1,600	1,660
Leisure, Hospitality, & Other Svcs.	410	420	430	440	450	460	470	480	490	500	510	510	520	530
Government	1,170	1,190	1,220	1,250	1,280	1,310	1,330	1,360	1,380	1,420	1,440	1,460	1,490	1,520
Total Nonagricultural	6,670	6,780	6,890	7,010	7,130	7,240	7,350	7,460	7,590	7,730	7,850	7,980	8,120	8,260
Population & Households:														
Population:	27,360	27,780	28,210	28,640	29,070	29,520	29,960	30,420	30,880	31,340	31,820	32,290	32,780	33,270
Households:	9,250	9,300	9,360	9,420	9,480	9,550	9,620	9,690	9,750	9,820	9,880	9,950	10,000	10,050
Persons per Household:	2.93	2.96	2.99	3.01	3.04	3.06	3.09	3.11	3.14	3.16	3.19	3.22	3.25	3.28
Personal Income:	(Millions)													
Current Year $:	$1,256	$1,326	$1,400	$1,477	$1,562	$1,649	$1,736	$1,830	$1,931	$2,049	$2,154	$2,274	$2,404	$2,541
2009 $:	844	872	902	932	966	998	1,029	1,062	1,097	1,139	1,172	1,211	1,252	1,295
Per Capita Personal Income:														
Current Year $:	$45,920	$47,720	$49,620	$51,580	$53,720	$55,860	$57,950	$60,170	$62,550	$65,370	$67,700	$70,420	$73,330	$76,390
2009 $:	30,850	31,410	31,980	32,560	33,210	33,820	34,360	34,920	35,530	36,350	36,840	37,490	38,200	38,920

Idaho Economics
Winter 2020 County Economic Forecasts

Gooding County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	11,700	14,200	15,470	14,650	18,100	18,680	19,270	19,750	20,120
Population per Square Mile	16.0	19.4	21.2	20.0	24.8	25.6	26.4	27.0	27.5
Total Households:	4,300	5,090	5,530	6,330	6,470	6,720	7,000	7,300	7,520
Persons per Household	2.68	2.75	2.75	2.28	2.76	2.74	2.71	2.67	2.64
Employment:									
Total Nonagricultural	3,440	5,290	6,160	5,720	6,870	6,920	7,010	7,080	6,550
Manufacturing:	60	360	760	750	950	940	920	880	840
Services	800	1,000	990	1,100	1,360	1,360	1,380	1,390	820

Gooding County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	540	710	1,000	1,450	1,590	1,480	1,530	1,250	2,250	2,200	2,060	2,080	2,080	2,080	2,200
Manufacturing	60	220	360	840	840	870	890	860	760	780	790	830	790	810	840
Transp., Trade, & Utilities	1,070	1,200	1,470	1,060	1,030	1,040	1,020	990	960	950	920	880	840	810	820
Information & Financial Activities	110	150	120	160	180	170	150	140	150	150	160	160	170	180	180
Professional & Business Services	80	110	160	320	330	340	230	230	200	190	210	200	160	160	160
Educational & Health Services	400	360	330	430	460	450	480	470	370	240	260	220	280	310	330
Leisure, Hospitality, & Other Svcs.	320	510	500	530	500	540	600	560	420	400	410	470	490	510	530
Government	870	1,070	1,350	1,300	1,320	1,320	1,340	1,360	1,340	1,340	1,350	1,440	1,420	1,400	1,140
Total Nonagricultural	3,440	4,330	5,290	6,090	6,240	6,320	6,360	6,090	6,160	5,940	5,870	5,970	5,910	5,920	6,090
Population & Households:															
Population:	11,700	13,000	14,200	14,610	14,750	14,960	15,220	15,270	15,470	15,360	15,250	15,170	15,090	15,190	15,140
Households:	4,300	4,690	5,090	5,430	5,500	5,580	5,610	5,530	5,530	5,460	5,400	5,350	5,350	5,340	5,360
Persons per Household:	2.72	2.70	2.68	2.66	2.65	2.65	2.67	2.72	2.75	2.77	2.78	2.78	2.78	2.78	2.78
Personal Income:	(Millions)														
Current Year $:	$187	$258	$336	$446	$427	$543	$556	$423	$565	$673	$699	$728	$870	$814	$806
2009 $:	277	338	410	496	465	572	549	437	536	597	622	650	681	676	670
Per Capita Personal Income:															
Current Year $:	$15,950	$19,840	$23,990	$31,270	$29,810	$37,040	$36,070	$28,610	$35,230	$40,500	$43,340	$46,160	$49,150	$48,790	$48,980
2009 $:	23,650	25,980	28,860	33,890	31,470	38,150	36,050	28,610	34,660	38,890	40,860	43,000	45,190	44,790	44,330

Gooding County

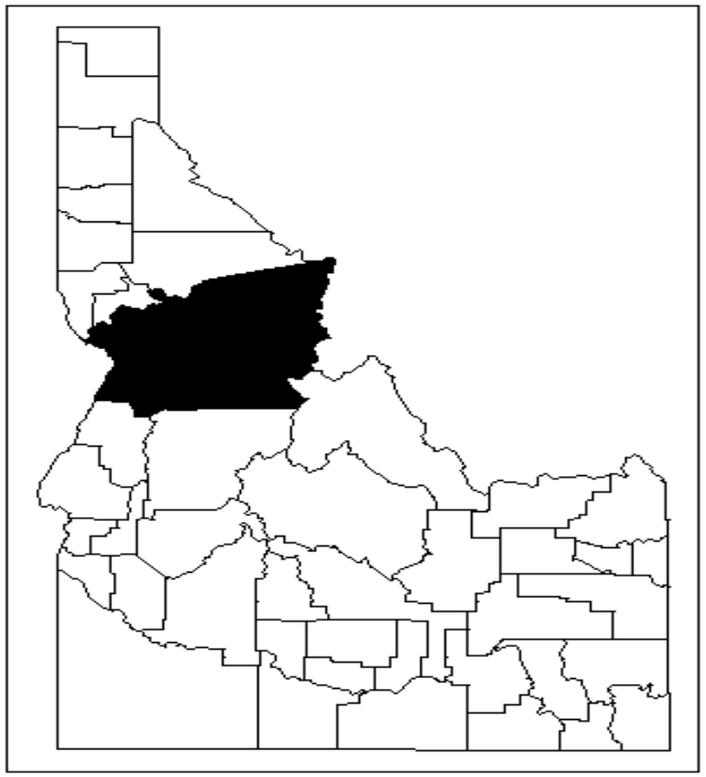
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	2,120	2,110	2,060	2,000	2,100	2,180	2,250	2,330	2,200	2,200	2,200	2,210	2,210	2,210
Manufacturing	860	860	850	750	910	950	980	1,020	950	950	950	940	940	940
Transp., Trade, & Utilities	820	810	840	780	940	970	990	1,010	930	930	920	920	920	920
Information & Financial Activities	330	340	320	310	370	380	400	410	380	380	380	380	380	380
Professional & Business Services	330	360	630	340	420	440	460	470	440	440	450	450	450	460
Educational & Health Services	330	360	630	340	420	440	460	470	440	440	450	450	450	460
Leisure, Hospitality, & Other Svcs.	330	310	320	360	430	440	450	460	420	410	400	400	400	400
Government	330	310	320	360	430	440	450	460	420	410	400	400	400	400
Total Nonagricultural	6,060	6,090	6,110	5,720	6,670	6,880	7,100	7,310	6,870	6,870	6,870	6,880	6,890	6,920
Population & Households:														
Population:	15,120	15,120	15,180	14,650	17,540	18,120	18,730	19,360	18,100	18,210	18,310	18,420	18,550	18,680
Households:	5,390	5,440	5,500	6,330	6,290	6,330	6,360	6,400	6,470	6,510	6,540	6,600	6,660	6,720
Persons per Household:	2.77	2.77	2.76	2.28	2.75	2.82	2.90	2.98	2.76	2.76	2.76	2.75	2.75	2.74
Personal Income:	(Millions)													
Current Year $:	$769	$804	$838	$731	$919	$982	$1,048	$1,122	$1,079	$1,125	$1,168	$1,212	$1,261	$1,314
2009 $:	682	699	715	613	756	791	826	866	816	834	850	865	882	901
Per Capita Personal Income:														
Current Year $:	$50,840	$53,190	$55,240	$49,890	$52,430	$54,180	$55,940	$57,950	$59,620	$61,740	$63,790	$65,780	$67,970	$70,370
2009 $:	45,120	46,250	47,080	41,820	43,130	43,650	44,090	44,730	45,100	45,790	46,400	46,930	47,540	48,250

Gooding County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,210	2,220	2,220	2,230	2,250	2,260	2,270	2,280	2,290	2,300	2,320	2,330	2,350	2,370
Manufacturing	940	940	930	930	920	910	910	900	890	880	870	860	860	850
Transp., Trade, & Utilities	910	910	910	910	910	910	910	910	910	910	900	900	890	880
Information & Financial Activities	170	160	160	160	160	160	160	160	150	150	150	150	150	150
Professional & Business Services	230	230	230	230	240	240	240	230	230	230	230	230	230	230
Educational & Health Services	460	470	470	480	480	480	480	480	490	500	500	510	520	520
Leisure, Hospitality, & Other Svcs.	670	670	670	670	660	660	660	660	660	660	650	650	650	640
Government	1,340	1,360	1,370	1,380	1,390	1,400	1,410	1,420	1,430	1,450	1,450	1,460	1,470	1,480
Total Nonagricultural	6,940	6,960	6,980	6,990	7,010	7,020	7,030	7,030	7,050	7,080	7,090	7,100	7,110	7,120
Population & Households:														
Population:	18,810	18,940	19,060	19,170	19,270	19,380	19,470	19,570	19,660	19,750	19,840	19,920	20,000	20,080
Households:	6,770	6,820	6,880	6,940	7,000	7,060	7,120	7,180	7,240	7,300	7,360	7,410	7,460	7,500
Persons per Household:	2.74	2.74	2.73	2.72	2.71	2.71	2.70	2.69	2.68	2.67	2.66	2.65	2.64	2.64
Personal Income:	(Millions)													
Current Year $:	$1,368	$1,425	$1,485	$1,545	$1,610	$1,675	$1,741	$1,808	$1,878	$1,954	$2,025	$2,101	$2,183	$2,268
2009 $:	919	938	957	975	995	1,014	1,032	1,049	1,067	1,087	1,102	1,119	1,137	1,155
Per Capita Personal Income:														
Current Year $:	$72,720	$75,230	$77,940	$80,580	$83,510	$86,460	$89,380	$92,380	$95,510	$98,940	$102,090	$105,450	$109,110	$112,910
2009 $:	48,850	49,510	50,240	50,860	51,630	52,350	52,990	53,620	54,260	55,010	55,550	56,150	56,840	57,530

Idaho Economics
Winter 2020 County Economic Forecasts

Idaho County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	13,870	15,470	16,310	20,670	20,170	19,690	19,290	18,770	18,280
Population per Square Mile	1.6	1.8	1.9	2.4	2.4	2.3	2.3	2.2	2.2
Total Households:	5,260	6,140	6,840	9,530	10,130	10,620	11,030	11,470	11,740
Persons per Household	2.55	2.43	2.30	2.11	1.94	1.80	1.70	1.59	1.52
Employment:									
Total Nonagricultural	4,040	4,340	4,250	4,240	4,170	4,000	3,890	3,750	3,630
Manufacturing:	510	470	360	440	440	410	390	360	340
Services	780	950	1,140	1,130	1,140	1,090	1,080	1,050	1,050

Idaho County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	360	380	310	270	310	330	300	220	520	500	470	480	530	540	560
Manufacturing	510	330	470	480	450	490	460	340	360	370	380	390	330	330	360
Transp., Trade, & Utilities	790	730	910	920	870	900	830	780	770	790	810	820	870	900	810
Information & Financial Activities	170	280	180	190	210	240	270	230	210	210	210	220	230	200	190
Professional & Business Services	80	90	100	80	70	80	80	70	90	110	120	110	100	100	90
Educational & Health Services	330	340	410	570	620	640	660	670	610	590	580	580	580	570	570
Leisure, Hospitality, & Other Svcs.	370	490	440	550	530	540	540	500	450	430	420	440	430	390	430
Government	1,430	1,530	1,520	1,300	1,280	1,280	1,280	1,260	1,300	1,240	1,230	1,200	1,260	1,280	1,210
Total Nonagricultural	4,040	4,150	4,340	4,370	4,350	4,580	4,520	4,240	4,250	4,190	4,190	4,220	4,300	4,220	4,210
Population & Households:															
Population:	13,870	15,120	15,470	15,520	15,640	15,770	15,900	16,140	16,310	16,460	16,440	16,250	16,280	16,300	16,240
Households:	5,260	5,800	6,140	6,540	6,660	6,750	6,770	6,780	6,840	6,910	6,900	6,860	6,910	6,930	6,980
Persons per Household:	2.40	2.37	2.34	2.29	2.27	2.26	2.27	2.30	2.30	2.30	2.29	2.28	2.27	2.25	2.24
Personal Income:	(Millions)														
Current Year $:	$195	$238	$310	$356	$367	$395	$419	$414	$414	$439	$464	$485	$493	$522	$521
2009 $:	289	312	381	410	415	433	434	430	445	456	469	473	485	499	506
Per Capita Personal Income:															
Current Year $:	$14,050	$15,770	$20,460	$24,300	$25,070	$26,620	$27,300	$26,620	$27,800	$28,850	$30,330	$31,310	$32,530	$33,550	$34,540
2009 $:	20,830	20,650	24,610	26,340	26,470	27,420	27,280	26,620	27,350	27,700	28,600	29,170	29,910	30,800	31,260

Idaho County

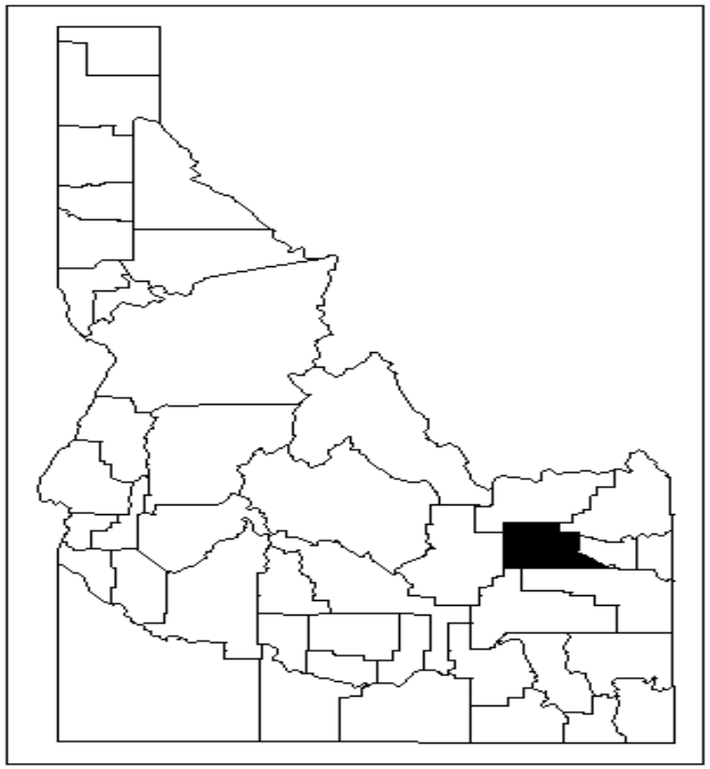
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	580	510	540	540	550	550	550	550	550	540	540	530	530	520
Manufacturing	370	460	500	440	450	450	450	440	440	440	430	430	420	410
Transp., Trade, & Utilities	840	800	830	890	880	880	870	850	840	830	810	800	790	770
Information & Financial Activities	230	260	260	490	490	490	490	490	480	480	480	470	470	460
Professional & Business Services	550	560	560	530	530	540	540	550	550	550	540	540	540	540
Educational & Health Services	550	560	560	530	530	540	540	550	550	550	540	540	540	540
Leisure, Hospitality, & Other Svcs.	350	370	410	380	380	380	380	370	360	350	340	340	330	330
Government	350	370	410	380	380	380	380	370	360	350	340	340	330	330
Total Nonagricultural	4,210	4,240	4,370	4,240	4,240	4,230	4,230	4,210	4,170	4,120	4,080	4,050	4,020	4,000
Population & Households:														
Population:	16,370	16,480	16,670	20,670	20,570	20,480	20,380	20,280	20,170	20,050	19,930	19,840	19,760	19,690
Households:	7,040	7,070	7,120	9,530	9,650	9,770	9,890	10,010	10,130	10,250	10,380	10,450	10,540	10,620
Persons per Household:	2.22	2.19	2.16	2.11	2.07	2.04	2.01	1.97	1.94	1.90	1.87	1.85	1.83	1.80
Personal Income:	(Millions)													
Current Year $:	$580	$597	$614	$627	$642	$659	$677	$694	$711	$727	$744	$761	$781	$800
2009 $:	515	519	523	526	528	531	534	536	538	540	541	543	546	549
Per Capita Personal Income:														
Current Year $:	$35,400	$36,260	$36,830	$30,320	$31,220	$32,190	$33,230	$34,240	$35,250	$36,280	$37,330	$38,380	$39,510	$40,650
2009 $:	31,420	31,530	31,400	25,420	25,680	25,940	26,190	26,430	26,660	26,910	27,150	27,380	27,640	27,870

Idaho County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	520	520	510	510	510	510	500	500	500	490	490	490	490	490
Manufacturing	410	410	400	400	390	390	380	370	370	360	360	350	350	340
Transp., Trade, & Utilities	750	740	740	730	720	710	700	690	690	670	670	660	650	630
Information & Financial Activities	480	470	470	470	460	460	450	450	440	440	440	430	430	420
Professional & Business Services	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Educational & Health Services	550	550	550	550	550	550	540	540	550	550	560	560	570	570
Leisure, Hospitality, & Other Svcs.	530	530	520	520	510	510	500	500	500	490	490	480	480	470
Government	730	730	730	730	730	730	720	720	720	740	710	710	710	710
Total Nonagricultural	3,980	3,960	3,940	3,910	3,890	3,860	3,820	3,790	3,770	3,750	3,720	3,700	3,670	3,640
Population & Households:														
Population:	19,620	19,560	19,480	19,390	19,290	19,190	19,090	18,990	18,880	18,770	18,660	18,550	18,430	18,320
Households:	10,700	10,780	10,860	10,950	11,030	11,120	11,210	11,300	11,390	11,470	11,550	11,640	11,700	11,760
Persons per Household:	1.79	1.77	1.75	1.72	1.70	1.68	1.66	1.64	1.61	1.59	1.57	1.55	1.53	1.52
Personal Income:	(Millions)													
Current Year $:	$824	$845	$869	$892	$917	$942	$967	$993	$1,021	$1,048	$1,077	$1,106	$1,137	$1,170
2009 $:	553	556	560	563	567	571	573	576	580	583	586	589	592	596
Per Capita Personal Income:														
Current Year $:	$41,980	$43,220	$44,590	$46,000	$47,550	$49,100	$50,660	$52,300	$54,080	$55,820	$57,720	$59,610	$61,700	$63,870
2009 $:	28,200	28,440	28,750	29,030	29,400	29,730	30,040	30,360	30,720	31,040	31,410	31,740	32,140	32,540

Idaho Economics
Winter 2020 County Economic Forecasts

Jefferson County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	16,660	19,190	26,220	30,660	35,010	39,860	44,800	50,230	55,970
Population per Square Mile	15.2	17.5	23.9	28.0	32.0	36.4	40.9	45.9	51.1
Total Households:	4,830	5,960	8,230	9,540	10,630	11,770	12,890	14,180	15,490
Persons per Household	3.43	3.21	3.18	3.20	3.28	3.37	3.46	3.53	3.60
Employment:									
Total Nonagricultural	3,270	4,750	5,620	10,380	11,220	11,860	12,420	12,920	13,410
Manufacturing:	540	620	760	1,200	1,320	1,390	1,410	1,390	1,380
Services	360	640	1,000	2,230	2,480	2,720	2,930	3,140	3,350

Jefferson County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	550	930	1,090	1,080	1,190	1,300	1,180	990	1,260	1,130	1,190	1,210	1,270	1,330	1,410
Manufacturing	540	670	620	890	1,000	990	880	840	760	760	960	1,020	1,040	970	1,000
Transp., Trade, & Utilities	810	890	1,010	1,060	1,140	1,160	1,130	1,120	1,070	1,070	1,120	1,170	1,210	1,200	1,240
Information & Financial Activities	60	90	100	160	160	160	200	180	160	140	140	140	140	170	180
Professional & Business Services	60	70	90	230	210	240	260	280	230	230	220	210	200	240	260
Educational & Health Services	50	120	160	300	360	380	370	360	300	260	270	270	260	470	580
Leisure, Hospitality, & Other Svcs.	260	350	390	430	480	450	500	430	470	470	480	470	510	470	400
Government	950	1,180	1,280	1,370	1,360	1,400	1,440	1,500	1,460	1,390	1,380	1,370	1,400	1,450	1,450
Total Nonagricultural	3,270	4,310	4,750	5,510	5,890	6,130	5,960	5,620	5,620	5,360	5,680	5,780	5,950	6,080	6,310
Population & Households:															
Population:	16,660	18,240	19,190	21,670	22,440	23,480	24,700	25,770	26,220	26,310	26,640	26,800	26,940	27,130	27,830
Households:	4,830	5,510	5,960	6,960	7,220	7,540	7,830	7,990	8,230	8,330	8,330	8,510	8,560	8,670	8,800
Persons per Household:	3.18	3.15	3.13	3.11	3.11	3.11	3.15	3.22	3.18	3.15	3.19	3.15	3.15	3.15	3.16
Personal Income:	(Millions)														
Current Year $:	$215	$286	$386	$510	$577	$669	$724	$708	$714	$785	$783	$794	$803	$832	$871
2009 $:	319	375	465	532	566	629	663	680	681	755	762	786	845	849	863
Per Capita Personal Income:															
Current Year $:	$12,890	$15,700	$20,140	$22,530	$23,790	$25,920	$26,780	$26,330	$26,380	$29,820	$30,300	$31,370	$33,980	$33,700	$34,180
2009 $:	19,120	20,560	24,230	24,420	25,120	26,700	26,760	26,330	25,950	28,640	28,560	29,220	31,250	30,930	30,930

Jefferson County

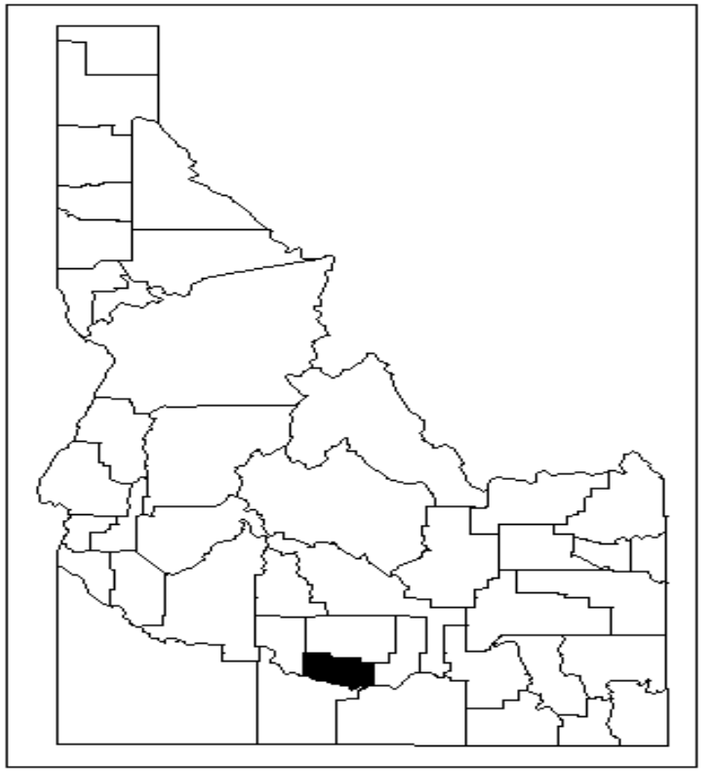
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,530	1,520	1,540	4,100	4,130	4,150	4,160	4,170	4,170	4,150	4,150	4,140	4,130	4,120
Manufacturing	1,040	1,120	1,180	1,200	1,220	1,250	1,270	1,300	1,320	1,340	1,360	1,370	1,380	1,390
Transp., Trade, & Utilities	1,290	1,330	1,340	1,180	1,210	1,240	1,270	1,290	1,310	1,340	1,360	1,380	1,410	1,430
Information & Financial Activities	460	580	540	520	550	570	600	620	650	670	700	720	740	760
Professional & Business Services	560	570	620	630	650	660	680	700	720	730	750	760	780	790
Educational & Health Services	560	570	620	630	650	660	680	700	720	730	750	760	780	790
Leisure, Hospitality, & Other Svcs.	290	320	340	940	950	960	980	990	990	1,000	1,000	1,010	1,020	1,030
Government	290	320	340	940	950	960	980	990	990	1,000	1,000	1,010	1,020	1,030
Total Nonagricultural	6,560	6,860	7,020	10,380	10,560	10,740	10,910	11,080	11,220	11,340	11,480	11,600	11,730	11,860
Population & Households:														
Population:	28,440	29,410	29,870	30,660	31,470	32,310	33,180	34,080	35,010	35,960	36,910	37,870	38,850	39,860
Households:	8,960	9,190	9,430	9,540	9,830	10,030	10,230	10,430	10,630	10,840	11,040	11,280	11,530	11,770
Persons per Household:	3.15	3.17	3.18	3.20	3.19	3.21	3.23	3.25	3.28	3.30	3.33	3.34	3.36	3.37
Personal Income:	(Millions)													
Current Year $:	$1,006	$1,069	$1,131	$1,211	$1,282	$1,353	$1,427	$1,510	$1,595	$1,688	$1,782	$1,874	$1,972	$2,082
2009 $:	893	930	964	1,015	1,054	1,090	1,125	1,165	1,206	1,252	1,296	1,337	1,380	1,428
Per Capita Personal Income:														
Current Year $:	$35,380	$36,360	$37,870	$39,500	$40,730	$41,870	$43,010	$44,290	$45,560	$46,960	$48,280	$49,490	$50,760	$52,240
2009 $:	31,410	31,620	32,280	33,120	33,500	33,730	33,900	34,190	34,460	34,830	35,120	35,310	35,510	35,820

Jefferson County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	4,110	4,090	4,080	4,070	4,070	4,060	4,050	4,040	4,040	4,030	4,030	4,020	4,020	4,020
Manufacturing	1,400	1,400	1,400	1,410	1,410	1,410	1,400	1,400	1,390	1,390	1,390	1,390	1,390	1,380
Transp., Trade, & Utilities	1,410	1,440	1,470	1,500	1,520	1,540	1,560	1,580	1,600	1,630	1,650	1,660	1,670	1,690
Information & Financial Activities	280	280	280	290	290	290	290	290	290	290	290	300	300	300
Professional & Business Services	550	570	580	600	620	640	650	650	670	680	690	700	710	720
Educational & Health Services	810	830	840	860	870	880	900	910	930	950	970	1,000	1,020	1,040
Leisure, Hospitality, & Other Svcs.	1,400	1,410	1,420	1,430	1,440	1,450	1,460	1,480	1,490	1,510	1,520	1,530	1,540	1,550
Government	2,020	2,060	2,110	2,150	2,200	2,250	2,290	2,340	2,390	2,450	2,490	2,540	2,590	2,650
Total Nonagricultural	11,970	12,080	12,200	12,300	12,420	12,520	12,610	12,690	12,810	12,920	13,020	13,130	13,240	13,350
Population & Households:														
Population:	40,840	41,810	42,780	43,780	44,800	45,840	46,900	47,980	49,100	50,230	51,380	52,560	53,760	54,980
Households:	11,990	12,200	12,420	12,650	12,890	13,140	13,390	13,650	13,910	14,180	14,440	14,710	14,970	15,220
Persons per Household:	3.39	3.41	3.43	3.44	3.46	3.47	3.49	3.50	3.51	3.53	3.54	3.56	3.58	3.60
Personal Income:	(Millions)													
Current Year $:	$2,185	$2,294	$2,410	$2,529	$2,659	$2,791	$2,923	$3,062	$3,207	$3,366	$3,516	$3,678	$3,829	$4,004
2009 $:	1,468	1,510	1,553	1,597	1,644	1,690	1,733	1,777	1,822	1,872	1,914	1,958	1,995	2,040
Per Capita Personal Income:														
Current Year $:	$53,510	$54,880	$56,330	$57,780	$59,350	$60,880	$62,320	$63,800	$65,320	$67,020	$68,430	$69,970	$71,220	$72,820
2009 $:	35,950	36,110	36,310	36,470	36,690	36,860	36,950	37,030	37,110	37,260	37,240	37,260	37,100	37,100

Idaho Economics
Winter 2020 County Economic Forecasts

Jerome County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	15,260	18,490	22,440	23,050	26,290	29,640	32,760	35,780	38,590
Population per Square Mile	25.4	30.8	37.4	38.4	43.8	49.4	54.6	59.6	64.3
Total Households:	5,280	6,350	7,540	7,410	8,110	8,880	9,610	10,360	11,010
Persons per Household	2.87	2.89	2.96	3.09	3.22	3.32	3.39	3.43	3.48
Employment:									
Total Nonagricultural	4,280	7,230	8,560	15,280	16,720	17,820	18,840	19,830	20,730
Manufacturing:	510	1,070	1,280	1,730	1,920	2,020	2,050	2,030	2,010
Services	920	1,250	1,380	2,030	2,310	2,570	2,820	3,060	3,310

Jerome County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	650	810	1,110	1,150	1,380	1,490	1,460	1,250	2,440	2,340	2,530	2,500	2,750	3,010	2,950
Manufacturing	510	670	1,070	1,210	1,290	1,350	1,350	1,400	1,280	1,390	1,450	1,510	1,460	1,570	1,620
Transp., Trade, & Utilities	1,240	1,470	2,500	2,420	2,440	2,540	2,720	2,670	2,140	2,120	2,240	2,200	2,330	2,500	2,410
Information & Financial Activities	150	220	180	300	330	360	340	340	280	280	280	300	240	220	220
Professional & Business Services	120	240	310	290	280	300	290	280	240	240	250	260	350	370	390
Educational & Health Services	490	400	380	440	560	590	630	640	520	490	510	540	580	600	610
Leisure, Hospitality, & Other Svcs.	320	520	560	710	720	740	810	800	630	610	600	650	680	690	710
Government	810	1,000	1,120	1,060	1,100	1,140	1,150	1,210	1,210	1,160	1,140	1,160	1,190	1,200	1,200
Total Nonagricultural	4,280	5,340	7,230	7,580	8,090	8,500	8,760	8,570	8,560	8,450	8,820	8,960	9,390	9,980	9,930
Population & Households:															
Population:	15,260	16,930	18,490	19,650	20,110	20,570	21,220	22,040	22,440	22,520	22,580	22,770	22,930	22,970	23,430
Households:	5,280	5,810	6,350	6,880	7,040	7,170	7,290	7,390	7,540	7,500	7,470	7,480	7,540	7,600	7,690
Persons per Household:	2.88	2.86	2.85	2.85	2.85	2.86	2.90	2.97	2.96	2.98	3.00	3.01	3.01	3.02	3.02
Personal Income:	(Millions)														
Current Year $:	$236	$325	$426	$506	$528	$601	$632	$569	$645	$701	$733	$769	$842	$845	$834
2009 $:	350	426	519	592	597	658	653	612	651	680	702	732	783	802	821
Per Capita Personal Income:															
Current Year $:	$15,490	$19,220	$23,320	$27,750	$28,090	$31,020	$30,750	$27,730	$29,490	$31,450	$33,050	$34,700	$37,270	$37,840	$38,800
2009 $:	22,970	25,170	28,050	30,070	29,650	31,950	30,730	27,730	29,010	30,200	31,150	32,330	34,260	34,730	35,110

Jerome County

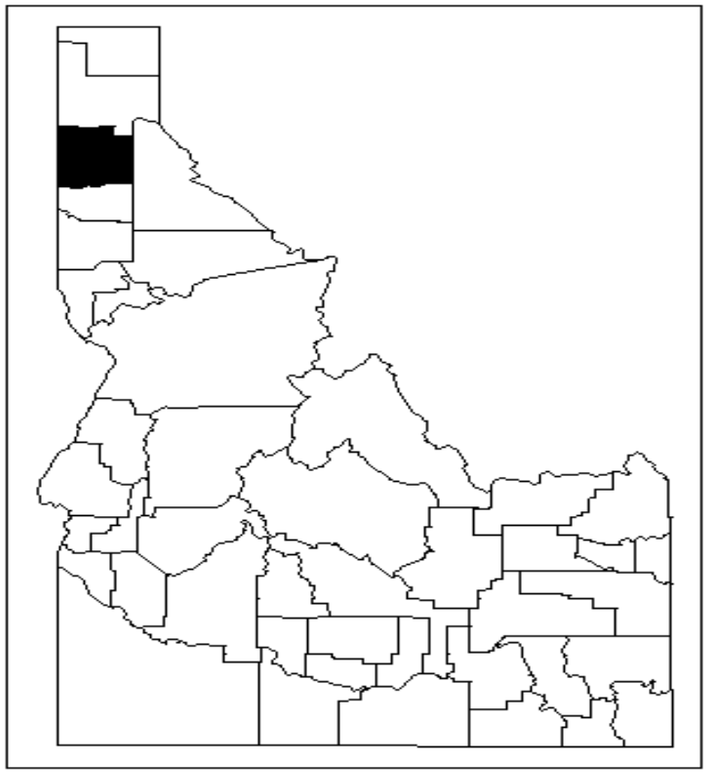
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	3,060	3,200	3,280	8,230	8,340	8,430	8,520	8,600	8,670	8,720	8,780	8,840	8,880	8,940
Manufacturing	1,670	1,660	1,710	1,730	1,760	1,810	1,840	1,880	1,920	1,950	1,970	1,980	2,000	2,020
Transp., Trade, & Utilities	2,460	2,430	2,480	1,110	1,250	1,300	1,350	1,390	1,430	1,470	1,500	1,540	1,590	1,640
Information & Financial Activities	600	640	670	700	720	740	760	790	810	820	840	860	880	900
Professional & Business Services	600	620	560	690	710	740	770	800	820	850	870	890	920	940
Educational & Health Services	600	620	560	690	710	740	770	800	820	850	870	890	920	940
Leisure, Hospitality, & Other Svcs.	510	510	510	630	640	650	660	660	660	660	660	670	670	680
Government	510	510	510	630	640	650	660	660	660	660	660	670	670	680
Total Nonagricultural	10,220	10,370	10,470	15,280	15,630	15,930	16,220	16,490	16,720	16,930	17,140	17,350	17,570	17,820
Population & Households:														
Population:	23,770	24,070	24,410	23,050	23,670	24,310	24,970	25,630	26,290	26,970	27,630	28,280	28,950	29,640
Households:	7,790	7,970	8,170	7,410	7,550	7,690	7,840	7,970	8,110	8,250	8,380	8,540	8,710	8,880
Persons per Household:	3.02	3.04	3.06	3.09	3.11	3.14	3.17	3.19	3.22	3.25	3.28	3.29	3.30	3.32
Personal Income:	(Millions)													
Current Year $:	$956	$1,016	$1,078	$1,156	$1,226	$1,302	$1,382	$1,466	$1,553	$1,646	$1,740	$1,834	$1,936	$2,051
2009 $:	849	884	919	969	1,009	1,049	1,089	1,131	1,175	1,221	1,265	1,309	1,354	1,406
Per Capita Personal Income:														
Current Year $:	$40,240	$42,230	$44,180	$50,130	$51,800	$53,560	$55,340	$57,190	$59,080	$61,050	$62,970	$64,850	$66,880	$69,200
2009 $:	35,720	36,720	37,660	42,020	42,610	43,140	43,630	44,140	44,690	45,280	45,800	46,270	46,780	47,450

Jerome County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	8,990	9,040	9,090	9,150	9,220	9,280	9,340	9,400	9,470	9,530	9,600	9,680	9,760	9,840
Manufacturing	2,040	2,040	2,050	2,050	2,050	2,050	2,050	2,040	2,030	2,030	2,030	2,030	2,030	2,020
Transp., Trade, & Utilities	1,490	1,540	1,600	1,640	1,680	1,720	1,760	1,790	1,840	1,880	1,910	1,940	1,960	1,980
Information & Financial Activities	580	590	590	590	600	600	600	600	600	600	600	600	610	610
Professional & Business Services	540	550	560	580	590	610	610	620	630	640	640	650	660	670
Educational & Health Services	970	1,000	1,030	1,050	1,070	1,090	1,110	1,140	1,180	1,210	1,250	1,290	1,330	1,370
Leisure, Hospitality, & Other Svcs.	1,110	1,120	1,140	1,140	1,150	1,160	1,170	1,180	1,200	1,210	1,220	1,230	1,230	1,240
Government	2,310	2,350	2,400	2,430	2,480	2,520	2,560	2,610	2,660	2,720	2,760	2,810	2,860	2,910
Total Nonagricultural	18,020	18,240	18,450	18,640	18,840	19,030	19,200	19,390	19,600	19,830	20,020	20,230	20,430	20,640
Population & Households:														
Population:	30,300	30,940	31,560	32,160	32,760	33,360	33,970	34,570	35,170	35,780	36,390	37,010	37,620	38,240
Households:	9,030	9,170	9,320	9,460	9,610	9,760	9,910	10,060	10,210	10,360	10,500	10,650	10,780	10,910
Persons per Household:	3.33	3.35	3.37	3.38	3.39	3.40	3.41	3.41	3.42	3.43	3.44	3.45	3.47	3.48
Personal Income:	(Millions)													
Current Year $:	$2,161	$2,279	$2,403	$2,530	$2,667	$2,810	$2,956	$3,110	$3,274	$3,454	$3,628	$3,818	$4,026	$4,244
2009 $:	1,452	1,500	1,549	1,597	1,649	1,701	1,752	1,805	1,860	1,921	1,974	2,033	2,097	2,163
Per Capita Personal Income:														
Current Year $:	$71,330	$73,650	$76,130	$78,650	$81,410	$84,220	$87,020	$89,970	$93,090	$96,540	$99,690	$103,160	$107,000	$110,980
2009 $:	47,910	48,470	49,070	49,640	50,330	50,990	51,590	52,220	52,880	53,680	54,250	54,930	55,740	56,550

Idaho Economics
Winter 2020 County Economic Forecasts

Kootenai County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	70,930	109,490	138,850	181,510	210,770	242,940	279,840	322,330	366,950
Population per Square Mile	57.0	87.9	111.5	145.8	169.3	195.1	224.7	258.9	294.7
Total Households:	26,920	41,730	54,330	66,810	72,780	78,560	84,410	91,250	98,470
Persons per Household	2.60	2.59	2.53	2.68	2.86	3.05	3.27	3.48	3.68
Employment:									
Total Nonagricultural	24,310	42,580	51,770	60,800	72,500	83,340	95,370	108,500	122,020
Manufacturing:	2,850	4,180	4,020	2,530	3,140	3,490	3,690	3,760	3,830
Services	7,570	15,100	20,410	24,080	30,320	36,280	42,980	50,600	59,520

Kootenai County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,790	3,490	3,800	5,690	6,340	6,400	5,650	4,350	3,840	3,530	3,390	3,630	4,000	4,270	4,660
Manufacturing	2,850	3,900	4,180	4,560	4,760	4,770	4,760	4,220	4,020	4,260	4,310	4,680	4,740	4,800	4,760
Transp., Trade, & Utilities	4,960	7,730	8,580	9,590	10,500	11,050	11,010	10,250	10,100	10,150	10,230	10,490	10,700	10,780	11,070
Information & Financial Activities	1,860	2,490	3,080	3,730	3,960	4,050	4,200	4,020	3,590	3,490	3,280	3,450	3,310	3,380	3,450
Professional & Business Services	1,880	2,460	4,000	6,020	6,140	6,040	6,070	5,920	5,930	5,950	5,170	5,660	5,760	5,570	5,910
Educational & Health Services	1,500	2,560	3,620	5,270	5,330	5,650	6,030	6,270	6,410	6,380	6,560	6,650	7,030	7,240	7,560
Leisure, Hospitality, & Other Svcs.	4,190	6,600	7,480	8,350	8,830	9,420	9,800	8,770	8,070	8,240	8,400	8,610	9,030	9,570	9,830
Government	5,270	6,580	7,840	9,160	9,300	9,350	9,780	9,910	9,810	9,800	10,000	10,210	10,440	10,550	10,830
Total Nonagricultural	24,310	35,810	42,580	52,380	55,170	56,720	57,300	53,710	51,770	51,800	51,340	53,370	55,000	56,160	58,060
Population & Households:															
Population:	70,930	93,120	109,490	125,970	129,510	132,810	135,630	137,410	138,850	140,930	142,080	143,900	146,530	149,370	153,020
Households:	26,920	34,670	41,730	50,390	52,120	53,460	54,110	53,900	54,330	54,660	54,540	54,950	56,050	57,010	57,910
Persons per Household:	2.56	2.52	2.50	2.47	2.46	2.45	2.47	2.52	2.53	2.55	2.58	2.60	2.60	2.59	2.59
Personal Income:	(Millions)														
Current Year $:	$1,135	$1,849	$2,621	$3,706	$4,086	$4,336	$4,443	$4,327	$4,396	$4,700	$4,964	$5,163	$5,505	$5,883	$6,145
2009 $:	1,683	2,421	3,196	4,042	4,306	4,493	4,481	4,420	4,432	4,610	4,816	4,903	5,098	5,299	5,453
Per Capita Personal Income:															
Current Year $:	$16,000	$19,860	$24,230	$29,520	$31,400	$32,770	$33,020	$32,130	$32,370	$34,020	$35,820	$36,350	$37,550	$38,470	$39,570
2009 $:	23,720	26,000	29,140	32,000	33,150	33,750	33,000	32,130	31,840	32,660	33,770	33,860	34,520	35,310	35,810

Kootenai County

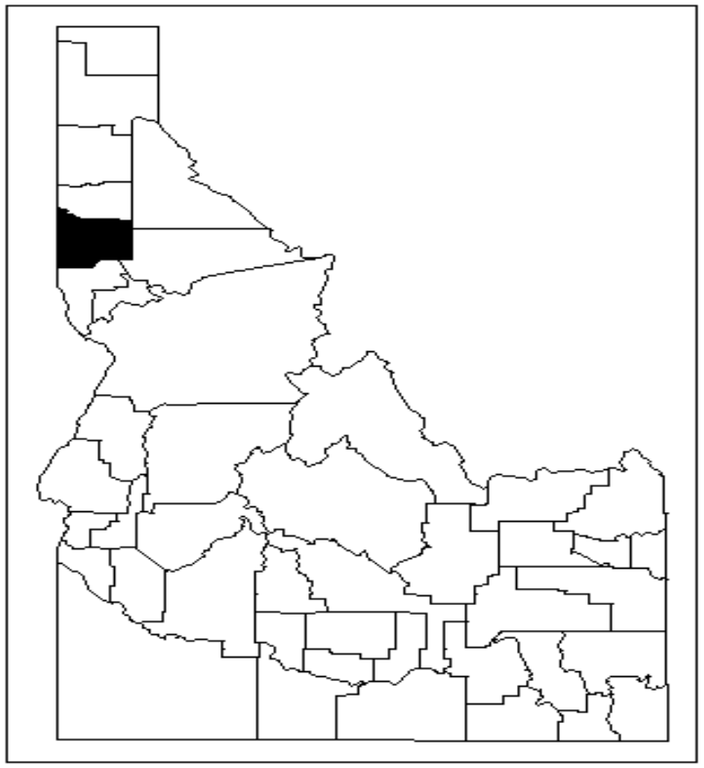
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	5,070	5,440	5,950	6,020	6,350	6,630	6,900	7,160	7,370	7,540	7,750	7,960	8,130	8,340
Manufacturing	4,700	4,650	4,980	2,530	2,650	2,780	2,900	3,020	3,140	3,230	3,310	3,360	3,410	3,490
Transp., Trade, & Utilities	11,860	12,180	12,420	12,580	12,900	13,200	13,490	13,730	13,970	14,250	14,510	14,800	15,120	15,420
Information & Financial Activities	9,320	9,800	9,640	9,720	9,880	10,380	10,880	11,390	11,850	12,280	12,800	13,240	13,700	14,150
Professional & Business Services	7,860	8,110	8,360	8,100	8,600	9,140	9,670	10,170	10,680	11,150	11,590	12,100	12,630	13,110
Educational & Health Services	7,860	8,110	8,360	8,100	8,600	9,140	9,670	10,170	10,680	11,150	11,590	12,100	12,630	13,110
Leisure, Hospitality, & Other Svcs.	8,820	9,200	9,700	8,520	8,860	9,220	9,550	9,910	10,210	10,490	10,790	11,060	11,340	11,620
Government	8,820	9,200	9,700	8,520	8,860	9,220	9,550	9,910	10,210	10,490	10,790	11,060	11,340	11,620
Total Nonagricultural	60,140	62,230	64,070	60,800	62,950	65,430	67,880	70,270	72,500	74,570	76,730	78,870	81,080	83,340
Population & Households:														
Population:	157,320	161,210	165,700	181,510	187,050	192,820	198,710	204,700	210,770	216,940	223,210	229,630	236,220	242,940
Households:	58,860	60,620	62,500	66,810	68,050	69,260	70,470	71,650	72,780	73,930	75,090	76,270	77,440	78,560
Persons per Household:	2.59	2.61	2.63	2.68	2.71	2.75	2.78	2.82	2.86	2.89	2.93	2.97	3.01	3.05
Personal Income:	(Millions)													
Current Year $:	$6,346	$6,767	$7,204	$7,773	$8,292	$8,856	$9,451	$10,080	$10,736	$11,426	$12,143	$12,882	$13,671	$14,524
2009 $:	5,632	5,884	6,141	6,516	6,821	7,134	7,450	7,780	8,121	8,474	8,833	9,190	9,563	9,959
Per Capita Personal Income:														
Current Year $:	$40,340	$41,980	$43,480	$42,820	$44,330	$45,930	$47,560	$49,240	$50,940	$52,670	$54,400	$56,100	$57,870	$59,790
2009 $:	35,800	36,500	37,060	35,900	36,470	37,000	37,490	38,010	38,530	39,060	39,570	40,020	40,480	40,990

Kootenai County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	8,570	8,800	9,040	9,320	9,640	9,940	10,220	10,500	10,810	11,080	11,290	11,480	11,700	11,960
Manufacturing	3,560	3,590	3,630	3,660	3,690	3,730	3,740	3,750	3,750	3,760	3,790	3,820	3,850	3,870
Transp., Trade, & Utilities	15,100	15,450	15,810	16,150	16,500	16,840	17,150	17,440	17,790	18,140	18,450	18,730	19,010	19,290
Information & Financial Activities	4,940	5,010	5,060	5,120	5,170	5,200	5,230	5,270	5,320	5,370	5,410	5,450	5,500	5,550
Professional & Business Services	10,300	10,660	11,060	11,510	12,070	12,550	12,950	13,290	13,730	14,190	14,600	15,070	15,560	16,070
Educational & Health Services	13,680	14,290	14,890	15,460	16,020	16,530	17,140	17,830	18,660	19,470	20,380	21,310	22,350	23,460
Leisure, Hospitality, & Other Svcs.	13,550	13,890	14,240	14,560	14,890	15,260	15,650	16,050	16,500	16,950	17,350	17,730	18,120	18,530
Government	15,910	16,300	16,660	17,000	17,390	17,790	18,190	18,610	19,030	19,530	19,910	20,360	20,850	21,380
Total Nonagricultural	85,620	87,980	90,400	92,780	95,370	97,840	100,260	102,750	105,600	108,500	111,180	113,960	116,930	120,120
Population & Households:														
Population:	249,890	257,060	264,430	272,030	279,840	287,890	296,170	304,660	313,400	322,330	331,510	340,970	350,750	360,760
Households:	79,630	80,730	81,900	83,140	84,410	85,730	87,090	88,470	89,870	91,250	92,650	94,110	95,460	96,790
Persons per Household:	3.10	3.14	3.18	3.23	3.27	3.31	3.35	3.40	3.44	3.48	3.53	3.57	3.62	3.68
Personal Income:	(Millions)													
Current Year $:	$15,423	$16,366	$17,386	$18,464	$19,642	$20,887	$22,181	$23,574	$25,080	$26,694	$28,373	$30,172	$32,109	$34,191
2009 $:	10,361	10,771	11,207	11,655	12,142	12,646	13,151	13,683	14,248	14,843	15,439	16,066	16,726	17,421
Per Capita Personal Income:														
Current Year $:	$61,720	$63,670	$65,750	$67,880	$70,190	$72,550	$74,900	$77,380	$80,030	$82,820	$85,590	$88,490	$91,540	$94,770
2009 $:	41,460	41,900	42,380	42,840	43,390	43,930	44,400	44,910	45,460	46,050	46,570	47,120	47,690	48,290

Idaho Economics
Winter 2020 County Economic Forecasts

Latah County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	30,800	34,880	37,260	41,180	43,780	46,250	48,970	51,500	53,600
Population per Square Mile	28.6	32.4	34.6	38.2	40.7	43.0	45.5	47.8	49.8
Total Households:	11,300	13,170	14,710	15,800	16,240	16,720	17,330	17,990	18,470
Persons per Household	2.42	2.35	2.24	2.31	2.39	2.45	2.50	2.54	2.57
Employment:									
Total Nonagricultural	11,640	13,420	13,280	14,750	16,160	16,990	18,020	19,060	19,070
Manufacturing:	500	420	370	360	370	370	360	350	330
Services	3,330	3,890	4,330	4,850	5,250	5,460	5,790	6,100	6,390

Latah County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	430	380	350	530	520	500	450	320	720	680	710	710	760	840	810
Manufacturing	500	510	420	440	400	410	390	330	370	390	400	380	360	360	360
Transp., Trade, & Utilities	2,070	2,190	2,540	2,410	2,340	2,210	2,220	2,020	2,090	2,020	2,240	2,240	2,280	2,330	2,330
Information & Financial Activities	650	840	600	720	700	780	780	630	610	560	560	500	490	470	480
Professional & Business Services	170	500	750	680	670	700	680	660	710	710	720	790	850	890	880
Educational & Health Services	1,200	1,360	1,230	1,690	1,670	1,690	1,660	1,670	1,610	1,630	1,660	1,690	1,560	1,570	1,670
Leisure, Hospitality, & Other Svcs.	1,960	2,010	1,910	2,150	2,120	2,130	2,220	2,020	2,010	1,920	1,930	1,980	1,980	2,070	2,200
Government	4,660	5,440	5,620	5,110	5,240	5,360	5,500	5,510	5,170	5,090	5,050	4,960	4,860	4,930	4,940
Total Nonagricultural	11,640	13,230	13,420	13,720	13,660	13,800	13,900	13,170	13,280	13,010	13,270	13,240	13,130	13,440	13,660
Population & Households:															
Population:	30,800	34,380	34,880	35,960	36,250	36,180	36,520	36,940	37,260	37,860	38,090	38,220	38,520	38,800	39,050
Households:	11,300	12,700	13,170	14,490	14,720	14,710	14,810	14,670	14,710	14,880	14,940	14,960	15,030	15,130	15,240
Persons per Household:	2.31	2.28	2.25	2.20	2.19	2.18	2.19	2.23	2.24	2.25	2.26	2.27	2.27	2.27	2.27
Personal Income:	(Millions)														
Current Year $:	$462	$640	$797	$992	$1,037	$1,084	$1,141	$1,153	$1,202	$1,246	$1,288	$1,323	$1,353	$1,433	$1,489
2009 $:	685	838	974	1,105	1,131	1,164	1,168	1,162	1,184	1,216	1,260	1,251	1,274	1,329	1,363
Per Capita Personal Income:															
Current Year $:	$15,000	$18,600	$23,210	$28,290	$29,500	$31,180	$31,960	$31,410	$32,290	$33,430	$35,010	$35,110	$36,030	$37,370	$38,570
2009 $:	22,240	24,360	27,910	30,660	31,140	32,110	31,940	31,410	31,770	32,110	33,000	32,710	33,120	34,310	34,910

Latah County

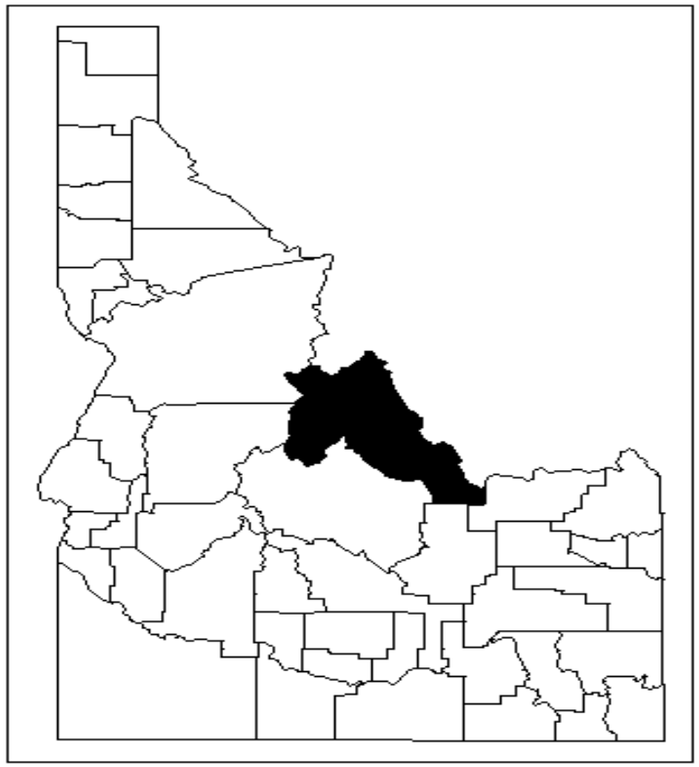
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	790	820	820	1,820	1,870	1,910	1,940	1,980	2,010	2,040	2,070	2,100	2,120	2,150
Manufacturing	360	360	350	360	360	370	370	370	370	370	380	370	370	370
Transp., Trade, & Utilities	2,360	2,310	2,270	1,830	2,080	2,100	2,110	2,110	2,120	2,120	2,120	2,120	2,130	2,130
Information & Financial Activities	1,250	1,270	1,290	970	1,000	1,030	1,060	1,090	1,120	1,130	1,160	1,180	1,200	1,210
Professional & Business Services	1,720	1,800	1,950	1,990	2,030	2,080	2,120	2,160	2,200	2,230	2,250	2,280	2,310	2,340
Educational & Health Services	1,720	1,800	1,950	1,990	2,030	2,080	2,120	2,160	2,200	2,230	2,250	2,280	2,310	2,340
Leisure, Hospitality, & Other Svcs.	1,970	1,940	1,980	2,000	2,020	2,050	2,060	2,060	2,040	2,010	2,000	2,000	2,010	2,010
Government	1,970	1,940	1,980	2,000	2,020	2,050	2,060	2,060	2,040	2,010	2,000	2,000	2,010	2,010
Total Nonagricultural	13,750	13,910	14,180	14,750	15,230	15,500	15,750	15,980	16,160	16,290	16,440	16,610	16,790	16,990
Population & Households:														
Population:	39,740	39,830	40,110	41,180	41,750	42,280	42,800	43,300	43,780	44,240	44,740	45,240	45,750	46,250
Households:	15,360	15,610	15,870	15,800	15,920	16,020	16,110	16,180	16,240	16,300	16,370	16,490	16,610	16,720
Persons per Household:	2.27	2.28	2.29	2.31	2.32	2.34	2.35	2.37	2.39	2.40	2.42	2.43	2.44	2.45
Personal Income:	(Millions)													
Current Year $:	$1,575	$1,657	$1,737	$1,833	$1,919	$2,015	$2,114	$2,214	$2,316	$2,422	$2,534	$2,649	$2,771	$2,903
2009 $:	1,398	1,441	1,481	1,537	1,579	1,623	1,666	1,709	1,752	1,796	1,843	1,890	1,938	1,991
Per Capita Personal Income:														
Current Year $:	$39,640	$41,610	$43,310	$44,520	$45,970	$47,650	$49,380	$51,140	$52,900	$54,740	$56,640	$58,550	$60,570	$62,780
2009 $:	35,180	36,180	36,920	37,320	37,820	38,390	38,930	39,470	40,020	40,600	41,200	41,770	42,370	43,050

Latah County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,180	2,220	2,250	2,290	2,330	2,370	2,420	2,460	2,500	2,550	2,600	2,650	2,710	2,770
Manufacturing	370	370	370	370	360	360	360	360	350	350	350	340	340	340
Transp., Trade, & Utilities	1,970	1,990	2,010	2,020	2,040	2,040	2,050	2,050	2,050	2,060	2,060	2,060	2,050	2,050
Information & Financial Activities	680	690	690	690	690	690	680	680	680	680	680	680	670	670
Professional & Business Services	720	740	750	770	800	820	830	830	840	850	860	870	880	880
Educational & Health Services	2,370	2,420	2,460	2,490	2,520	2,540	2,560	2,600	2,650	2,700	2,750	2,810	2,870	2,930
Leisure, Hospitality, & Other Svcs.	2,430	2,440	2,450	2,460	2,470	2,480	2,490	2,510	2,530	2,550	2,560	2,560	2,570	2,570
Government	6,430	6,540	6,630	6,720	6,810	6,910	7,010	7,100	7,200	7,330	7,400	7,510	7,610	7,710
Total Nonagricultural	17,170	17,390	17,600	17,800	18,020	18,210	18,400	18,590	18,810	19,060	19,260	19,480	19,690	19,910
Population & Households:														
Population:	46,790	47,340	47,910	48,440	48,970	49,490	50,000	50,500	51,010	51,500	51,990	52,480	52,960	53,440
Households:	16,830	16,940	17,070	17,200	17,330	17,470	17,600	17,740	17,870	17,990	18,110	18,230	18,320	18,410
Persons per Household:	2.46	2.48	2.49	2.50	2.50	2.51	2.52	2.52	2.53	2.54	2.54	2.55	2.56	2.57
Personal Income:	(Millions)													
Current Year $:	$3,043	$3,188	$3,347	$3,511	$3,689	$3,872	$4,059	$4,258	$4,468	$4,692	$4,921	$5,166	$5,434	$5,715
2009 $:	2,044	2,098	2,157	2,216	2,281	2,344	2,406	2,471	2,538	2,609	2,678	2,751	2,831	2,912
Per Capita Personal Income:														
Current Year $:	$65,040	$67,350	$69,860	$72,480	$75,340	$78,250	$81,180	$84,300	$87,590	$91,100	$94,650	$98,440	$102,600	$106,950
2009 $:	43,690	44,320	45,030	45,750	46,570	47,380	48,130	48,930	49,760	50,660	51,500	52,420	53,450	54,490

Idaho Economics
Winter 2020 County Economic Forecasts

Lemhi County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	6,950	7,720	7,950	10,050	9,750	9,510	9,300	9,030	8,770
Population per Square Mile	1.5	1.7	1.7	2.2	2.1	2.1	2.0	2.0	1.9
Total Households:	2,800	3,310	3,580	4,450	4,600	4,760	4,910	5,060	5,150
Persons per Household	2.47	2.32	2.21	2.25	2.11	1.99	1.89	1.78	1.70
Employment:									
Total Nonagricultural	2,040	2,420	2,460	4,270	4,180	4,060	3,960	3,850	3,760
Manufacturing:	180	150	80	70	70	60	60	50	40
Services	480	690	880	1,610	1,590	1,530	1,500	1,460	1,430

Lemhi County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	80	180	130	120	130	120	110	80	200	190	210	170	190	190	220
Manufacturing	180	150	150	130	130	120	100	80	80	80	80	80	80	90	90
Transp., Trade, & Utilities	410	460	440	450	450	460	420	380	370	350	370	380	380	370	390
Information & Financial Activities	140	170	110	120	140	130	120	120	110	100	90	90	80	80	80
Professional & Business Services	40	90	110	140	140	190	200	190	220	210	130	130	140	140	150
Educational & Health Services	150	190	190	260	260	310	280	270	250	240	230	220	210	230	240
Leisure, Hospitality, & Other Svcs.	300	430	390	460	480	480	480	440	410	380	390	380	400	400	430
Government	740	860	890	860	840	830	800	810	820	810	810	810	780	770	760
Total Nonagricultural	2,040	2,540	2,420	2,560	2,580	2,650	2,510	2,370	2,460	2,350	2,320	2,250	2,250	2,260	2,350
Population & Households:															
Population:	6,950	8,040	7,720	7,710	7,800	7,780	7,900	7,870	7,950	7,990	7,770	7,720	7,720	7,740	7,710
Households:	2,800	3,200	3,310	3,490	3,560	3,580	3,610	3,570	3,580	3,590	3,500	3,490	3,510	3,510	3,520
Persons per Household:	2.30	2.27	2.24	2.20	2.18	2.17	2.18	2.20	2.21	2.21	2.21	2.20	2.19	2.18	2.17
Personal Income:	(Millions)														
Current Year $:	$92	$137	$159	$188	$199	$214	$233	$225	$231	$247	$262	$265	$277	$286	$293
2009 $:	137	180	195	215	221	229	237	234	235	243	255	254	258	265	268
Per Capita Personal Income:															
Current Year $:	$13,320	$17,060	$20,990	$25,660	$26,760	$28,490	$29,940	$29,750	$30,050	$31,720	$34,760	$35,300	$36,280	$37,430	$38,460
2009 $:	19,750	22,340	25,240	27,810	28,250	29,340	29,930	29,740	29,570	30,460	32,770	32,890	33,360	34,360	34,800

Lemhi County

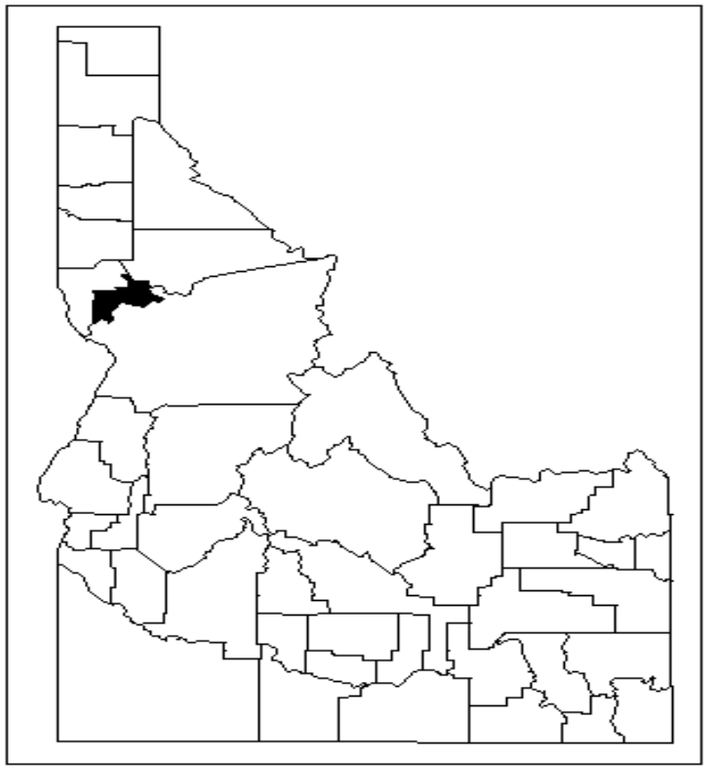
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	240	270	260	1,030	1,030	1,020	1,020	1,020	1,010	1,010	1,000	1,000	1,000	990
Manufacturing	80	80	90	70	70	70	70	70	70	70	70	60	60	60
Transp., Trade, & Utilities	410	420	430	570	570	560	560	550	540	530	530	520	520	510
Information & Financial Activities	200	220	230	240	240	240	240	240	240	240	240	240	240	230
Professional & Business Services	250	260	280	420	420	420	420	420	420	420	420	410	410	410
Educational & Health Services	250	260	280	420	420	420	420	420	420	420	420	410	410	410
Leisure, Hospitality, & Other Svcs.	380	360	380	670	670	660	660	650	650	640	630	620	620	610
Government	380	360	380	670	670	660	660	650	650	640	630	620	620	610
Total Nonagricultural	2,420	2,490	2,540	4,270	4,260	4,240	4,230	4,210	4,180	4,140	4,120	4,090	4,070	4,060
Population & Households:														
Population:	7,830	7,930	8,030	10,050	9,990	9,930	9,880	9,810	9,750	9,680	9,630	9,580	9,550	9,510
Households:	3,540	3,550	3,550	4,450	4,480	4,510	4,550	4,570	4,600	4,630	4,660	4,690	4,730	4,760
Persons per Household:	2.16	2.13	2.11	2.25	2.22	2.19	2.16	2.14	2.11	2.09	2.06	2.04	2.01	1.99
Personal Income:	(Millions)													
Current Year $:	$305	$314	$321	$327	$334	$342	$351	$359	$367	$375	$383	$392	$403	$413
2009 $:	271	273	274	274	275	275	276	277	277	278	279	280	282	283
Per Capita Personal Income:														
Current Year $:	$39,020	$39,550	$40,020	$32,520	$33,400	$34,420	$35,510	$36,560	$37,610	$38,690	$39,810	$40,940	$42,160	$43,420
2009 $:	34,630	34,390	34,110	27,260	27,470	27,730	27,990	28,220	28,450	28,690	28,960	29,210	29,490	29,770

Lemhi County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	990	980	980	980	970	970	970	960	960	950	950	950	950	940
Manufacturing	60	60	60	60	60	50	50	50	50	50	50	50	50	40
Transp., Trade, & Utilities	480	480	470	470	470	460	460	450	450	440	440	430	430	420
Information & Financial Activities	90	90	80	80	80	80	80	80	80	80	70	70	70	70
Professional & Business Services	180	180	170	170	170	170	170	170	170	170	160	160	160	160
Educational & Health Services	410	410	410	410	410	400	400	400	400	400	400	400	400	400
Leisure, Hospitality, & Other Svcs.	940	940	930	930	920	920	910	900	900	890	890	880	880	870
Government	890	890	890	880	880	880	870	870	870	870	860	860	850	850
Total Nonagricultural	4,040	4,020	4,000	3,980	3,960	3,940	3,910	3,890	3,870	3,850	3,830	3,810	3,790	3,760
Population & Households:														
Population:	9,480	9,450	9,400	9,350	9,300	9,250	9,200	9,140	9,080	9,030	8,970	8,910	8,850	8,790
Households:	4,790	4,820	4,850	4,880	4,910	4,940	4,970	5,010	5,040	5,060	5,090	5,120	5,140	5,160
Persons per Household:	1.97	1.95	1.93	1.91	1.89	1.86	1.84	1.82	1.80	1.78	1.75	1.73	1.72	1.70
Personal Income:	(Millions)													
Current Year $:	$425	$436	$447	$459	$472	$484	$496	$509	$523	$537	$551	$565	$581	$597
2009 $:	285	287	288	290	292	293	294	296	297	298	300	301	303	304
Per Capita Personal Income:														
Current Year $:	$44,820	$46,130	$47,580	$49,070	$50,710	$52,340	$53,990	$55,730	$57,580	$59,460	$61,410	$63,410	$65,610	$67,900
2009 $:	30,110	30,360	30,670	30,970	31,350	31,690	32,010	32,350	32,710	33,060	33,420	33,760	34,170	34,600

Idaho Economics
Winter 2020 County Economic Forecasts

Lewis County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,530	3,740	3,820	3,320	4,020	4,040	4,090	4,100	4,080
Population per Square Mile	7.4	7.8	8.0	6.9	8.4	8.4	8.5	8.6	8.5
Total Households:	1,420	1,570	1,660	1,870	1,950	2,010	2,060	2,100	2,110
Persons per Household	2.47	2.36	2.28	1.76	2.04	1.99	1.97	1.93	1.91
Employment:									
Total Nonagricultural	1,170	1,170	1,430	1,570	1,900	1,890	1,890	1,890	1,880
Manufacturing:	250	80	180	100	160	130	110	80	60
Services	160	210	270	260	330	330	330	330	340

Lewis County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	80	50	70	110	100	90	80	50	110	120	130	160	190	190	200
Manufacturing	250	270	80	120	120	140	160	140	180	230	280	290	300	290	250
Transp., Trade, & Utilities	240	260	310	350	330	340	350	330	350	330	340	320	300	320	300
Information & Financial Activities	60	70	50	60	60	60	60	60	50	50	60	60	60	60	60
Professional & Business Services	10	20	20	30	20	20	20	20	20	20	30	30	50	50	70
Educational & Health Services	60	40	50	70	80	160	160	150	150	150	170	170	170	160	160
Leisure, Hospitality, & Other Svcs.	90	160	140	110	110	100	100	110	100	100	90	90	90	110	110
Government	390	410	460	410	470	460	460	450	460	470	460	460	460	460	450
Total Nonagricultural	1,170	1,280	1,170	1,270	1,300	1,370	1,380	1,310	1,430	1,480	1,540	1,590	1,610	1,640	1,600
Population & Households:															
Population:	3,530	3,850	3,740	3,670	3,710	3,710	3,740	3,830	3,820	3,810	3,820	3,810	3,810	3,790	3,850
Households:	1,420	1,550	1,570	1,590	1,620	1,620	1,620	1,640	1,660	1,650	1,670	1,680	1,700	1,730	1,760
Persons per Household:	2.34	2.33	2.31	2.29	2.28	2.27	2.29	2.32	2.28	2.28	2.27	2.26	2.24	2.22	2.20
Personal Income:	(Millions)														
Current Year $:	$60	$71	$92	$107	$105	$130	$151	$146	$167	$173	$171	$181	$166	$179	$181
2009 $:	89	93	112	114	109	120	141	141	154	159	160	158	168	172	177
Per Capita Personal Income:															
Current Year $:	$17,110	$18,520	$24,910	$28,630	$27,690	$31,440	$37,700	$36,620	$40,980	$43,650	$44,110	$44,210	$47,600	$48,360	$49,920
2009 $:	25,380	24,260	29,960	31,030	29,230	32,390	37,680	36,620	40,320	41,920	41,580	41,190	43,760	44,390	45,180

Lewis County

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	160	190	190	200	190	200	190	300	340	360	370	380	360	370
Manufacturing	290	300	290	250	210	220	230	100	160	170	170	180	160	150
Transp., Trade, & Utilities	320	300	320	300	300	320	340	260	310	320	320	330	300	290
Information & Financial Activities	60	60	60	60	70	80	90	120	140	140	140	140	140	130
Professional & Business Services	30	50	50	70	70	70	70	60	80	80	80	80	80	80
Educational & Health Services	170	170	160	160	180	180	210	110	140	150	160	160	150	140
Leisure, Hospitality, & Other Svcs.	90	90	110	110	100	120	120	100	110	120	120	120	110	110
Government	460	460	460	450	440	450	460	530	600	620	640	650	610	610
Total Nonagricultural	1,590	1,610	1,640	1,600	1,570	1,650	1,700	1,570	1,890	1,940	2,000	2,050	1,900	1,890
Population & Households:														
Population:	3,810	3,810	3,790	3,850	3,880	3,830	3,840	3,320	4,010	4,130	4,240	4,360	4,020	4,010
Households:	1,680	1,700	1,730	1,760	1,790	1,820	1,850	1,870	1,890	1,910	1,920	1,940	1,950	1,960
Persons per Household:	2.26	2.24	2.22	2.20	2.18	2.16	2.14	1.76	2.10	2.14	2.18	2.23	2.04	2.02
Personal Income:	(Millions)													
Current Year $:	$181.0	$166.2	$178.6	$181.0	$206.4	$219.4	$231.8	$203.3	$257.7	$278.1	$299.8	$323.8	$314.9	$330.2
2009 $:	157.7	168.1	172.2	176.8	183.2	190.7	197.6	170.5	212.0	224.1	236.4	249.9	238.2	244.9
Per Capita Personal Income:														
Current Year $:	$44,210	$47,600	$48,360	$49,920	$53,130	$57,240	$60,410	$61,220	$64,230	$67,370	$70,690	$74,360	$78,380	$82,360
2009 $:	41,190	43,760	44,390	45,180	47,160	49,770	51,490	51,320	52,840	54,270	55,720	57,390	59,290	61,090

Lewis County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	380	390	390	390	400	400	410	410	420	420	430	430	440	450
Manufacturing	130	130	120	120	110	110	100	90	90	80	80	70	70	60
Transp., Trade, & Utilities	280	280	280	280	280	280	280	280	270	270	270	270	260	260
Information & Financial Activities	130	130	130	130	130	130	130	130	130	130	130	130	120	120
Professional & Business Services	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Educational & Health Services	150	150	150	150	150	150	150	150	160	160	160	160	170	170
Leisure, Hospitality, & Other Svcs.	100	100	100	100	100	100	100	100	100	100	100	90	90	90
Government	630	630	630	630	640	640	640	640	650	650	650	650	650	650
Total Nonagricultural	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890
Population & Households:														
Population:	4,060	4,070	4,080	4,080	4,090	4,090	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100
Households:	2,020	2,030	2,040	2,050	2,060	2,060	2,070	2,080	2,090	2,100	2,110	2,110	2,120	2,120
Persons per Household:	1.99	1.98	1.98	1.97	1.97	1.96	1.96	1.95	1.94	1.93	1.93	1.92	1.92	1.91
Personal Income:	(Millions)													
Current Year $:	$430	$453	$479	$505	$534	$564	$595	$627	$662	$699	$737	$777	$821	$867
2009 $:	289	298	309	319	330	341	353	364	376	389	401	414	428	442
Per Capita Personal Income:														
Current Year $:	$106,030	$111,490	$117,580	$123,740	$130,680	$137,810	$145,280	$153,110	$161,480	$170,550	$179,720	$189,620	$200,340	$211,710
2009 $:	71,220	73,370	75,790	78,100	80,790	83,440	86,130	88,870	91,740	94,830	97,800	100,960	104,360	107,870

Idaho Economics
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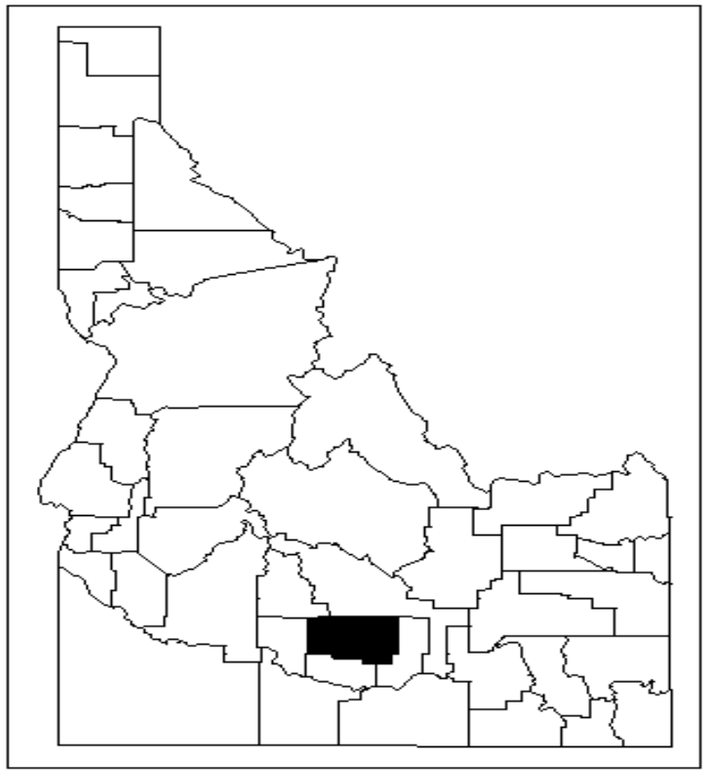
Lincoln County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,360	4,050	5,210	2,510	4,100	4,810	5,370	5,900	6,410
Population per Square Mile	2.8	3.4	4.3	2.1	3.4	4.0	4.5	4.9	5.3
Total Households:	1,180	1,460	1,710	890	1,240	1,470	1,660	1,870	2,060
Persons per Household	2.61	2.55	2.80	2.35	2.86	2.85	2.83	2.78	2.75
Employment:									
Total Nonagricultural	960	1,160	1,110	3,180	3,600	3,760	3,890	4,040	4,180
Manufacturing:	110	180	100	140	140	140	140	130	130
Services	120	210	240	2,260	2,400	2,450	2,510	2,560	2,620

Lincoln County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	50	40	60	100	110	130	130	90	80	100	110	110	120	140	150
Manufacturing	110	110	180	250	240	270	300	290	100	100	110	110	110	120	130
Transp., Trade, & Utilities	160	130	170	120	120	130	120	140	130	130	140	140	150	140	150
Information & Financial Activities	20	20	20	20	30	30	40	30	20	20	20	20	20	20	20
Professional & Business Services	10	20	30	40	40	50	40	50	50	60	90	120	120	70	60
Educational & Health Services	50	80	120	180	190	190	180	140	140	200	160	160	150	170	150
Leisure, Hospitality, & Other Svcs.	50	50	60	60	60	70	60	60	50	50	50	50	40	50	60
Government	510	550	520	520	520	530	540	550	530	510	510	500	480	490	490
Total Nonagricultural	960	1,010	1,160	1,300	1,320	1,410	1,400	1,360	1,110	1,150	1,200	1,210	1,190	1,210	1,210
Population & Households:															
Population:	3,360	3,800	4,050	4,690	4,760	4,940	5,040	5,150	5,210	5,130	5,260	5,330	5,330	5,310	5,300
Households:	1,180	1,360	1,460	1,650	1,670	1,710	1,710	1,700	1,710	1,670	1,710	1,730	1,720	1,710	1,710
Persons per Household:	2.55	2.56	2.57	2.60	2.62	2.66	2.70	2.79	2.80	2.82	2.83	2.83	2.84	2.84	2.84
Personal Income:	(Millions)														
Current Year $:	$51	$62	$84	$114	$119	$154	$163	$134	$154	$173	$170	$181	$190	$186	$182
2009 $:	76	81	102	117	118	142	150	132	142	154	173	179	189	192	196
Per Capita Personal Income:															
Current Year $:	$15,330	$16,200	$21,000	$22,990	$23,530	$27,950	$29,750	$25,610	$27,710	$31,150	$34,810	$36,190	$38,730	$38,650	$39,260
2009 $:	22,730	21,210	25,260	24,920	24,840	28,790	29,740	25,610	27,250	29,910	32,820	33,710	35,610	35,480	35,530

Lincoln County

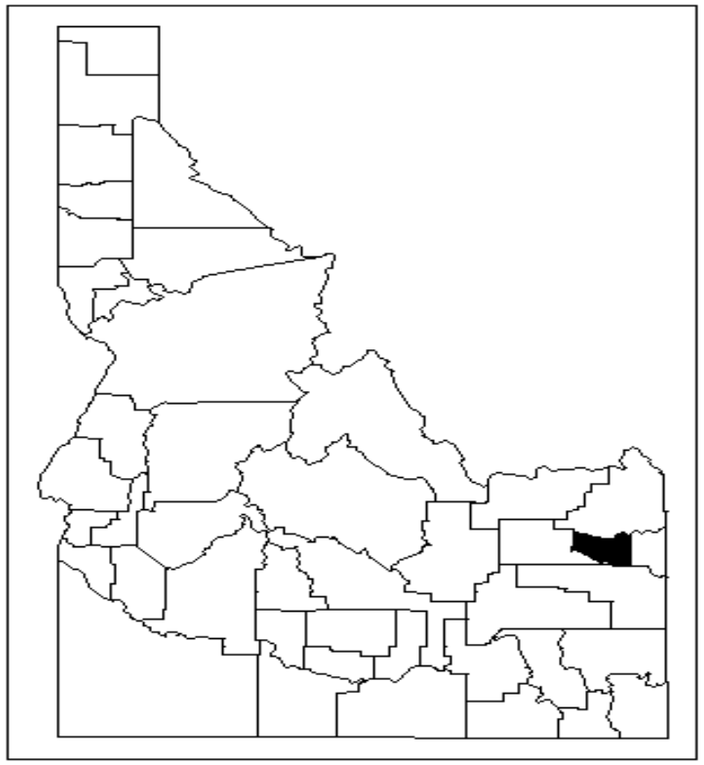
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	160	170	180	150	190	200	210	220	210	210	210	220	220	220
Manufacturing	130	140	150	140	140	140	140	140	140	140	140	140	140	140
Transp., Trade, & Utilities	180	180	190	160	190	200	210	220	210	210	210	210	220	220
Information & Financial Activities	130	100	110	1,870	1,910	1,930	1,940	1,950	1,940	1,950	1,950	1,960	1,960	1,970
Professional & Business Services	160	170	160	280	310	320	330	340	340	340	350	350	360	360
Educational & Health Services	160	170	160	280	310	320	330	340	340	340	350	350	360	360
Leisure, Hospitality, & Other Svcs.	40	40	50	40	40	50	50	50	50	50	50	50	50	50
Government	40	40	50	40	40	50	50	50	50	50	50	50	50	50
Total Nonagricultural	1,310	1,340	1,390	3,180	3,440	3,520	3,600	3,690	3,600	3,630	3,660	3,690	3,720	3,760
Population & Households:														
Population:	5,380	5,400	5,370	2,510	3,480	3,770	4,080	4,400	4,100	4,250	4,390	4,540	4,670	4,810
Households:	1,730	1,730	1,720	890	1,050	1,110	1,170	1,230	1,240	1,280	1,330	1,370	1,420	1,470
Persons per Household:	2.84	2.84	2.84	2.35	2.84	2.92	3.00	3.09	2.86	2.87	2.87	2.87	2.86	2.85
Personal Income:	(Millions)													
Current Year $:	$231	$248	$264	$235	$302	$329	$359	$393	$386	$411	$435	$460	$486	$514
2009 $:	205	215	225	197	249	265	283	303	292	305	317	328	340	352
Per Capita Personal Income:														
Current Year $:	$43,050	$45,900	$49,190	$93,630	$86,820	$87,360	$88,030	$89,210	$94,170	$96,600	$99,010	$101,320	$103,950	$106,880
2009 $:	38,210	39,910	41,930	78,490	71,420	70,370	69,390	68,850	71,230	71,650	72,030	72,280	72,710	73,280

Lincoln County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	220	220	220	220	220	220	230	230	230	230	230	240	240	240
Manufacturing	140	140	140	140	140	130	130	130	130	130	130	130	130	130
Transp., Trade, & Utilities	200	200	200	200	210	210	210	210	210	210	220	220	220	220
Information & Financial Activities	30	30	40	40	40	40	40	40	40	40	40	40	40	40
Professional & Business Services	1,960	1,970	1,970	1,980	1,980	1,990	1,990	1,990	2,000	2,000	2,000	2,010	2,010	2,010
Educational & Health Services	370	370	380	380	390	390	400	400	410	420	430	440	440	450
Leisure, Hospitality, & Other Svcs.	130	140	140	140	140	140	140	140	140	140	140	140	140	140
Government	730	740	760	770	780	800	810	830	840	870	870	890	910	920
Total Nonagricultural	3,780	3,810	3,840	3,870	3,890	3,910	3,940	3,970	4,000	4,040	4,060	4,090	4,120	4,150
Population & Households:														
Population:	4,930	5,040	5,150	5,260	5,370	5,470	5,580	5,690	5,790	5,900	6,010	6,110	6,220	6,320
Households:	1,510	1,540	1,580	1,620	1,660	1,700	1,740	1,790	1,830	1,870	1,910	1,950	1,990	2,030
Persons per Household:	2.85	2.85	2.84	2.83	2.83	2.82	2.81	2.80	2.79	2.78	2.77	2.76	2.75	2.75
Personal Income:	(Millions)													
Current Year $:	$542	$571	$602	$635	$670	$706	$743	$782	$823	$867	$910	$956	$1,007	$1,060
2009 $:	364	376	388	401	414	428	441	454	468	482	495	509	524	540
Per Capita Personal Income:														
Current Year $:	$109,990	$113,320	$117,010	$120,690	$124,850	$129,040	$133,210	$137,530	$142,090	$146,920	$151,570	$156,500	$161,960	$167,680
2009 $:	73,890	74,580	75,420	76,180	77,180	78,130	78,980	79,830	80,720	81,690	82,480	83,330	84,370	85,440

Idaho Economics
Winter 2020 County Economic Forecasts

Madison County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	23,890	27,520	37,590	21,890	32,000	42,250	51,300	60,980	70,960
Population per Square Mile	50.7	58.4	79.7	46.4	67.9	89.6	108.8	129.3	150.5
Total Households:	5,860	7,190	10,620	5,700	8,290	10,820	12,930	15,220	17,540
Persons per Household	3.86	3.63	3.36	3.43	3.51	3.59	3.66	3.71	3.77
Employment:									
Total Nonagricultural	7,270	10,870	11,750	16,950	21,490	25,840	29,990	34,680	39,760
Manufacturing:	890	1,150	700	1,000	1,270	1,480	1,610	1,720	1,830
Services	2,520	4,910	4,730	9,510	11,810	14,020	16,160	18,610	21,410

Madison County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	360	310	350	440	530	610	520	350	710	700	690	740	790	900	860
Manufacturing	890	1,050	1,150	1,020	1,040	1,040	910	750	700	700	730	730	830	910	970
Transp., Trade, & Utilities	1,900	2,130	2,400	2,480	2,580	3,270	3,400	3,150	3,120	3,210	3,450	3,500	3,530	3,270	3,150
Information & Financial Activities	330	510	370	590	640	630	630	570	500	540	550	560	620	670	700
Professional & Business Services	230	220	2,250	2,040	1,790	2,070	1,680	1,120	1,210	1,300	1,510	1,290	1,490	1,600	2,340
Educational & Health Services	1,680	1,690	1,820	2,190	2,320	2,440	2,480	2,460	2,320	2,350	2,410	2,580	2,780	3,040	3,030
Leisure, Hospitality, & Other Svcs.	610	840	850	1,170	1,200	1,270	1,400	1,240	1,210	1,260	1,290	1,290	1,340	1,480	1,600
Government	1,270	1,460	1,690	1,750	1,840	1,910	1,940	1,930	1,990	2,000	2,000	1,980	1,960	2,000	2,090
Total Nonagricultural	7,270	8,220	10,870	11,670	11,940	13,230	12,960	11,580	11,750	12,050	12,620	12,660	13,330	13,870	14,740
Population & Households:															
Population:	23,890	26,140	27,520	33,810	34,980	35,770	36,560	37,120	37,590	37,910	37,660	37,530	37,900	37,990	38,970
Households:	5,860	6,550	7,190	9,660	10,110	10,300	10,540	10,460	10,620	10,650	10,570	10,550	10,680	10,800	10,990
Persons per Household:	3.53	3.40	3.38	3.33	3.28	3.30	3.29	3.37	3.36	3.37	3.38	3.38	3.38	3.38	3.39
Personal Income:	(Millions)														
Current Year $:	$233	$306	$408	$518	$569	$617	$666	$687	$698	$747	$783	$810	$844	$911	$939
2009 $:	345	401	498	611	653	691	695	720	712	745	782	802	861	933	999
Per Capita Personal Income:															
Current Year $:	$9,740	$11,710	$15,030	$16,650	$17,660	$18,720	$19,010	$19,380	$19,270	$20,480	$22,000	$22,890	$24,590	$26,360	$28,110
2009 $:	14,450	15,340	18,080	18,050	18,640	19,280	19,000	19,380	18,960	19,670	20,740	21,330	22,610	24,200	25,440

Madison County

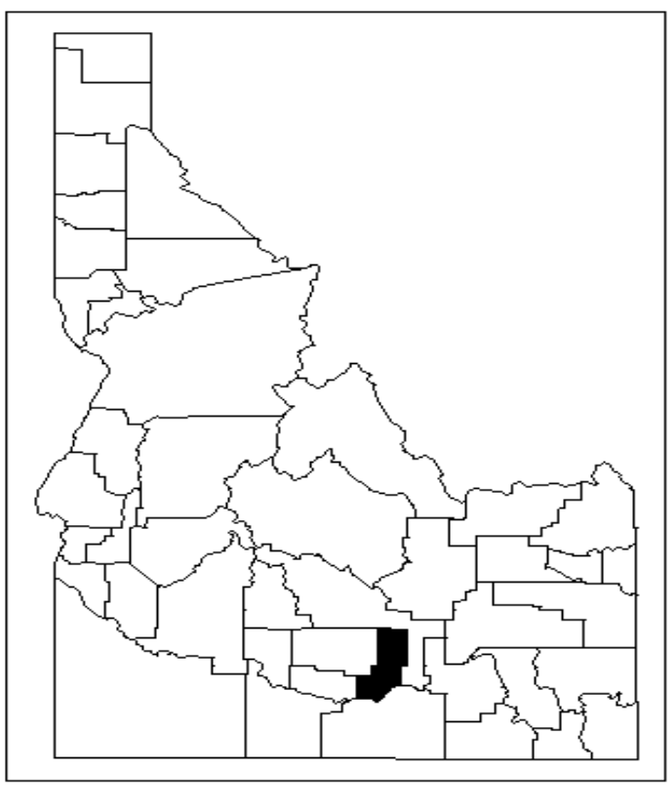
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	900	940	960	900	960	1,030	1,100	1,170	1,240	1,300	1,370	1,440	1,500	1,560
Manufacturing	1,060	1,040	1,060	1,000	1,050	1,100	1,160	1,210	1,270	1,320	1,370	1,410	1,440	1,480
Transp., Trade, & Utilities	3,270	3,170	3,190	2,840	2,980	3,140	3,300	3,460	3,610	3,770	3,920	4,050	4,190	4,320
Information & Financial Activities	2,900	3,210	3,120	4,310	4,470	4,650	4,840	5,040	5,230	5,410	5,620	5,800	5,970	6,140
Professional & Business Services	3,110	3,200	3,190	3,030	3,230	3,450	3,690	3,930	4,170	4,400	4,620	4,840	5,060	5,260
Educational & Health Services	3,110	3,200	3,190	3,030	3,230	3,450	3,690	3,930	4,170	4,400	4,620	4,840	5,060	5,260
Leisure, Hospitality, & Other Svcs.	1,530	1,610	1,740	2,780	2,850	2,930	3,010	3,090	3,140	3,190	3,250	3,310	3,370	3,440
Government	1,530	1,610	1,740	2,780	2,850	2,930	3,010	3,090	3,140	3,190	3,250	3,310	3,370	3,440
Total Nonagricultural	15,160	15,620	15,770	16,950	17,750	18,650	19,610	20,570	21,490	22,390	23,310	24,170	24,990	25,840
Population & Households:														
Population:	39,370	39,260	39,910	21,890	23,680	25,620	27,690	29,820	32,000	34,240	36,440	38,490	40,400	42,250
Households:	11,260	11,670	12,140	5,700	6,170	6,670	7,200	7,740	8,290	8,850	9,400	9,910	10,380	10,820
Persons per Household:	3.38	3.39	3.40	3.43	3.45	3.46	3.48	3.50	3.51	3.53	3.55	3.56	3.57	3.59
Personal Income:	(Millions)													
Current Year $:	$1,199	$1,312	$1,432	$1,581	$1,731	$1,908	$2,107	$2,320	$2,547	$2,789	$3,040	$3,292	$3,551	$3,844
2009 $:	1,065	1,141	1,221	1,325	1,424	1,537	1,661	1,791	1,927	2,069	2,211	2,349	2,484	2,636
Per Capita Personal Income:														
Current Year $:	$30,470	$33,420	$35,890	$72,220	$73,070	$74,500	$76,090	$77,800	$79,600	$81,470	$83,430	$85,540	$87,900	$90,980
2009 $:	27,040	29,060	30,590	60,550	60,110	60,020	59,980	60,050	60,210	60,430	60,690	61,020	61,480	62,380

Madison County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,630	1,690	1,770	1,840	1,930	2,030	2,120	2,210	2,310	2,420	2,530	2,650	2,780	2,930
Manufacturing	1,510	1,530	1,560	1,580	1,610	1,640	1,660	1,680	1,700	1,720	1,740	1,770	1,800	1,820
Transp., Trade, & Utilities	4,260	4,390	4,540	4,670	4,810	4,940	5,070	5,200	5,330	5,480	5,600	5,720	5,820	5,940
Information & Financial Activities	1,460	1,490	1,520	1,550	1,580	1,610	1,630	1,660	1,690	1,730	1,750	1,780	1,810	1,840
Professional & Business Services	5,040	5,160	5,290	5,430	5,600	5,750	5,880	5,990	6,130	6,270	6,390	6,530	6,670	6,800
Educational & Health Services	5,470	5,700	5,930	6,140	6,340	6,540	6,760	7,030	7,340	7,650	7,980	8,320	8,700	9,080
Leisure, Hospitality, & Other Svcs.	3,910	3,990	4,070	4,140	4,220	4,300	4,390	4,490	4,590	4,690	4,780	4,870	4,960	5,050
Government	3,350	3,490	3,630	3,760	3,900	4,060	4,210	4,380	4,540	4,730	4,880	5,060	5,250	5,440
Total Nonagricultural	26,620	27,450	28,280	29,110	29,990	30,860	31,730	32,630	33,620	34,680	35,660	36,720	37,790	38,890
Population & Households:														
Population:	44,040	45,840	47,640	49,460	51,300	53,170	55,080	57,010	58,980	60,980	63,020	65,090	67,200	69,350
Households:	11,230	11,640	12,060	12,490	12,930	13,370	13,830	14,290	14,760	15,220	15,700	16,180	16,650	17,110
Persons per Household:	3.61	3.63	3.64	3.65	3.66	3.68	3.69	3.69	3.70	3.71	3.72	3.73	3.75	3.77
Personal Income:	(Millions)													
Current Year $:	$4,124	$4,438	$4,773	$5,142	$5,537	$5,965	$6,413	$6,903	$7,432	$8,031	$8,646	$9,343	$10,122	$10,966
2009 $:	2,771	2,921	3,076	3,245	3,423	3,612	3,802	4,007	4,222	4,466	4,705	4,975	5,273	5,588
Per Capita Personal Income:														
Current Year $:	$93,650	$96,820	$100,180	$103,950	$107,930	$112,180	$116,430	$121,080	$126,010	$131,700	$137,200	$143,530	$150,630	$158,130
2009 $:	62,910	63,720	64,570	65,610	66,720	67,920	69,030	70,280	71,580	73,230	74,660	76,420	78,460	80,570

Idaho Economics
Winter 2020 County Economic Forecasts

Minidoka County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	19,440	20,100	20,080	22,890	26,630	26,520	26,640	26,550	26,330
Population per Square Mile	25.6	26.5	26.4	30.1	35.1	34.9	35.1	34.9	34.7
Total Households:	6,550	7,040	7,170	10,310	10,220	10,380	10,540	10,690	10,710
Persons per Household	2.95	2.84	2.78	2.21	2.59	2.54	2.51	2.47	2.44
Employment:									
Total Nonagricultural	6,750	7,920	6,630	12,890	14,590	14,430	14,400	14,320	14,220
Manufacturing:	1,770	1,920	930	2,600	2,880	2,820	2,760	2,680	2,610
Services	1,000	1,260	1,080	2,560	2,860	2,810	2,780	2,750	2,710

Minidoka County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	670	770	750	810	870	1,050	930	770	1,480	1,600	1,680	1,680	1,690	1,760	1,740
Manufacturing	1,770	2,070	1,920	1,150	1,090	1,080	1,080	1,000	930	1,000	1,120	1,070	1,060	1,180	1,130
Transp., Trade, & Utilities	1,560	1,580	2,030	1,580	1,410	1,410	1,420	1,400	1,260	1,260	1,370	1,470	1,470	1,580	1,620
Information & Financial Activities	280	300	250	300	290	300	280	280	250	270	270	270	280	290	320
Professional & Business Services	80	230	270	180	170	190	190	160	130	140	150	150	170	200	240
Educational & Health Services	210	340	310	390	430	420	410	390	300	310	290	280	320	420	490
Leisure, Hospitality, & Other Svcs.	710	770	680	720	760	800	790	780	650	670	660	550	570	710	780
Government	1,470	1,610	1,710	1,490	1,550	1,590	1,600	1,640	1,640	1,610	1,590	1,570	1,590	1,590	1,390
Total Nonagricultural	6,750	7,670	7,920	6,620	6,570	6,840	6,700	6,420	6,630	6,850	7,130	7,040	7,150	7,730	7,710
Population & Households:															
Population:	19,440	20,790	20,100	19,010	19,050	19,180	19,390	19,880	20,080	20,210	20,150	20,400	20,340	20,430	20,610
Households:	6,550	7,130	7,040	6,920	6,970	7,020	7,040	7,100	7,170	7,180	7,160	7,270	7,310	7,400	7,490
Persons per Household:	2.81	2.79	2.76	2.73	2.72	2.72	2.74	2.78	2.78	2.79	2.79	2.78	2.76	2.75	2.74
Personal Income:	(Millions)														
Current Year $:	$263	$333	$380	$428	$470	$524	$573	$579	$580	$665	$689	$699	$729	$756	$774
2009 $:	391	436	462	470	501	536	564	566	543	626	665	710	747	754	765
Per Capita Personal Income:															
Current Year $:	$13,550	$16,030	$19,120	$22,750	$24,860	$27,070	$29,070	$28,410	$27,460	$32,340	$35,090	$37,480	$39,910	$40,020	$40,930
2009 $:	20,100	20,990	23,000	24,660	26,240	27,880	29,060	28,410	27,020	31,060	33,080	34,920	36,700	36,740	37,040

Minidoka County

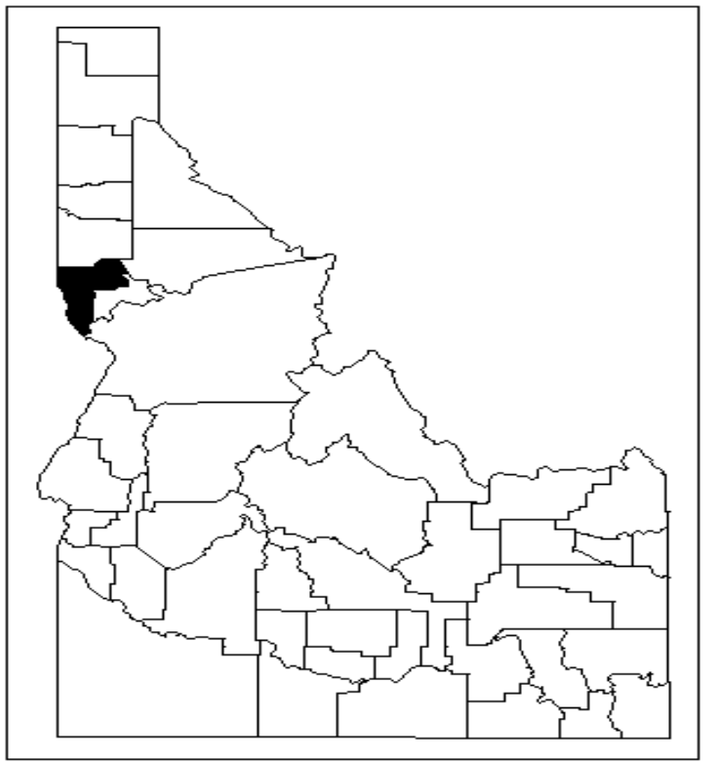
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,760	1,790	1,830	4,430	4,960	5,080	5,190	5,300	5,070	5,080	5,090	5,100	5,120	5,140
Manufacturing	1,250	1,240	1,340	2,600	2,910	2,960	3,000	3,040	2,880	2,870	2,860	2,840	2,830	2,820
Transp., Trade, & Utilities	1,850	1,820	1,800	2,020	2,350	2,380	2,410	2,440	2,250	2,220	2,190	2,170	2,160	2,150
Information & Financial Activities	330	320	320	330	390	400	400	410	380	370	370	370	370	370
Professional & Business Services	520	590	640	1,480	1,650	1,680	1,710	1,740	1,660	1,660	1,650	1,650	1,660	1,660
Educational & Health Services	520	590	640	1,480	1,650	1,680	1,710	1,740	1,660	1,660	1,650	1,650	1,660	1,660
Leisure, Hospitality, & Other Svcs.	560	570	550	840	960	970	980	990	920	910	900	890	890	890
Government	560	570	550	840	960	970	980	990	920	910	900	890	890	890
Total Nonagricultural	7,900	8,020	8,210	12,890	14,670	14,950	15,230	15,500	14,590	14,520	14,470	14,440	14,430	14,430
Population & Households:														
Population:	20,720	20,720	21,040	22,890	26,870	27,470	28,050	28,630	26,630	26,520	26,460	26,450	26,470	26,520
Households:	7,570	7,670	7,760	10,310	10,110	10,110	10,100	10,090	10,220	10,240	10,290	10,310	10,350	10,380
Persons per Household:	2.72	2.70	2.68	2.21	2.64	2.70	2.76	2.82	2.59	2.57	2.56	2.55	2.54	2.54
Personal Income:	(Millions)													
Current Year $:	$881	$918	$950	$817	$1,015	$1,071	$1,128	$1,189	$1,127	$1,156	$1,188	$1,224	$1,265	$1,311
2009 $:	782	798	810	685	835	863	889	918	852	857	865	873	885	899
Per Capita Personal Income:														
Current Year $:	$42,520	$44,300	$45,140	$35,690	$37,760	$39,000	$40,220	$41,540	$42,310	$43,590	$44,920	$46,270	$47,770	$49,440
2009 $:	37,740	38,520	38,480	29,920	31,060	31,410	31,700	32,060	32,000	32,330	32,670	33,010	33,410	33,900

Minidoka County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	5,150	5,170	5,190	5,210	5,240	5,270	5,290	5,310	5,330	5,360	5,390	5,420	5,450	5,480
Manufacturing	2,820	2,800	2,790	2,780	2,760	2,750	2,730	2,720	2,700	2,680	2,670	2,660	2,640	2,630
Transp., Trade, & Utilities	1,960	1,950	1,950	1,940	1,930	1,910	1,900	1,890	1,880	1,870	1,850	1,830	1,820	1,800
Information & Financial Activities	450	440	440	440	430	430	420	420	410	410	400	400	390	390
Professional & Business Services	100	100	100	100	100	100	100	90	90	90	90	90	80	80
Educational & Health Services	1,660	1,660	1,660	1,670	1,660	1,660	1,660	1,660	1,670	1,670	1,670	1,680	1,680	1,680
Leisure, Hospitality, & Other Svcs.	1,040	1,030	1,030	1,020	1,010	1,010	1,000	1,000	990	990	980	970	960	960
Government	1,250	1,260	1,260	1,250	1,250	1,250	1,250	1,250	1,250	1,260	1,250	1,240	1,240	1,240
Total Nonagricultural	14,430	14,430	14,420	14,410	14,400	14,380	14,350	14,330	14,320	14,320	14,300	14,290	14,270	14,250
Population & Households:														
Population:	26,570	26,610	26,630	26,640	26,640	26,630	26,620	26,600	26,580	26,550	26,520	26,490	26,460	26,420
Households:	10,410	10,440	10,470	10,500	10,540	10,570	10,600	10,630	10,670	10,690	10,710	10,740	10,750	10,750
Persons per Household:	2.54	2.53	2.53	2.52	2.51	2.51	2.50	2.49	2.48	2.47	2.46	2.45	2.45	2.44
Personal Income:	(Millions)													
Current Year $:	$1,357	$1,405	$1,455	$1,505	$1,560	$1,615	$1,671	$1,727	$1,787	$1,851	$1,909	$1,971	$2,038	$2,108
2009 $:	912	924	938	950	965	978	990	1,003	1,015	1,029	1,039	1,049	1,062	1,074
Per Capita Personal Income:														
Current Year $:	$51,080	$52,780	$54,640	$56,510	$58,580	$60,670	$62,760	$64,940	$67,250	$69,700	$71,970	$74,400	$77,040	$79,790
2009 $:	34,310	34,740	35,220	35,670	36,210	36,730	37,210	37,690	38,200	38,750	39,160	39,610	40,130	40,660

Idaho Economics
Winter 2020 County Economic Forecasts

Nez Perce County



Summary Information	Historical			Forecast					
	1990	2000	2010	2015	2020	2025	2030	2035	2040
Population & Households:									
Total Population:	33,970	37,400	39,320	37,610	46,710	48,310	49,640	50,770	51,740
Population per Square Mile	40.0	44.0	46.3	44.3	55.0	56.9	58.5	59.8	60.9
Total Households:	13,710	15,440	16,120	18,320	18,980	19,780	20,410	21,100	21,620
Persons per Household	2.43	2.38	2.40	2.02	2.42	2.40	2.39	2.37	2.35
Employment:									
Total Nonagricultural	15,660	21,470	20,170	18,460	23,590	24,740	25,800	26,880	28,080
Manufacturing:	2,980	2,970	2,740	2,940	3,620	3,620	3,520	3,350	3,200
Services	4,720	7,540	6,980	6,790	8,790	9,370	10,010	10,710	11,550

Nez Perce County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	740	970	990	1,040	1,080	1,050	1,030	860	970	980	940	960	1,020	1,050	1,130
Manufacturing	2,980	3,140	2,970	2,530	2,630	2,810	2,750	2,590	2,740	2,710	2,800	3,530	3,660	3,730	3,950
Transp., Trade, & Utilities	3,990	4,470	4,790	4,570	4,550	4,620	4,630	4,260	3,820	3,760	3,640	3,610	3,650	3,780	3,800
Information & Financial Activities	1,110	1,510	1,970	1,930	2,110	2,220	2,040	1,880	1,710	1,800	1,730	1,690	1,610	1,600	1,590
Professional & Business Services	860	1,210	1,280	1,390	1,360	1,340	1,250	1,210	1,170	1,160	1,140	910	910	990	1,000
Educational & Health Services	1,700	2,220	2,700	3,460	3,390	3,250	3,310	3,430	3,460	3,480	3,420	3,480	3,460	3,470	3,550
Leisure, Hospitality, & Other Svcs.	2,160	2,830	3,550	2,730	2,710	2,730	2,590	2,460	2,340	2,350	2,310	2,350	2,390	2,360	2,490
Government	2,120	2,810	3,220	4,060	3,910	3,870	3,920	3,970	3,960	3,960	3,840	3,870	4,040	4,030	3,860
Total Nonagricultural	15,660	19,150	21,470	21,700	21,730	21,880	21,530	20,650	20,170	20,200	19,810	20,410	20,740	21,020	21,360
Population & Households:															
Population:	33,970	36,850	37,400	38,070	38,510	38,720	38,810	39,050	39,320	39,440	39,500	39,800	39,840	40,000	40,140
Households:	13,710	14,880	15,440	16,290	16,510	16,560	16,430	16,210	16,120	15,900	16,000	15,780	15,830	15,890	15,990
Persons per Household:	2.35	2.33	2.31	2.30	2.29	2.30	2.32	2.37	2.40	2.44	2.43	2.49	2.49	2.48	2.48
Personal Income:	(Millions)														
Current Year $:	$578	$779	$972	$1,103	$1,173	$1,260	$1,327	$1,312	$1,349	$1,390	$1,421	$1,467	$1,508	$1,578	$1,644
2009 $:	857	1,020	1,187	1,234	1,272	1,334	1,347	1,336	1,357	1,374	1,395	1,421	1,467	1,477	1,503
Per Capita Personal Income:															
Current Year $:	$17,010	$21,140	$26,430	$29,850	$31,270	$33,450	$34,690	$34,180	$35,070	$36,280	$37,320	$38,190	$39,850	$40,060	$41,210
2009 $:	25,230	27,680	31,790	32,350	33,010	34,460	34,670	34,180	34,500	34,840	35,190	35,580	36,640	36,770	37,290

Nez Perce County

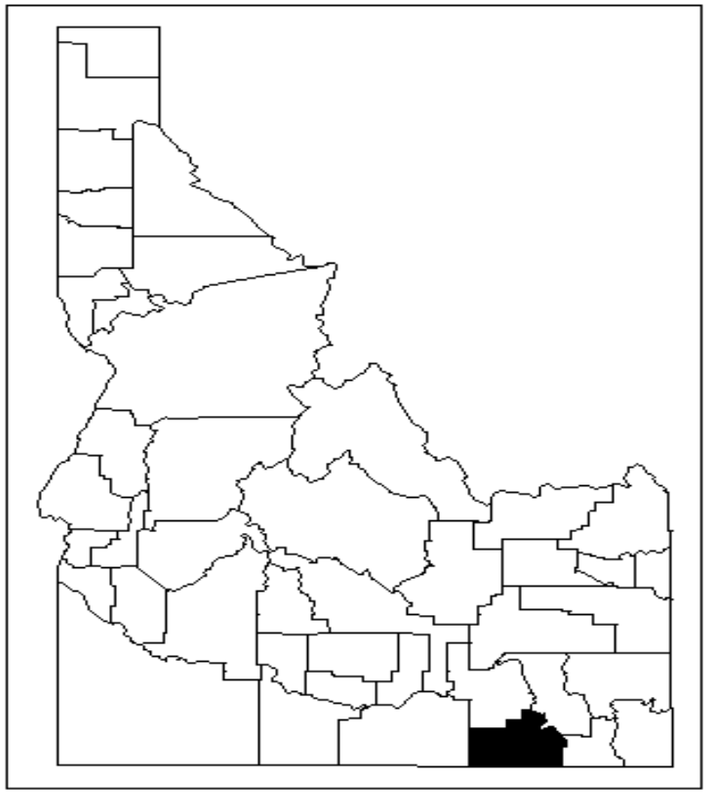
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,130	1,180	1,240	920	1,140	1,200	1,260	1,320	1,230	1,230	1,240	1,250	1,250	1,260
Manufacturing	3,960	3,650	3,370	2,940	3,450	3,580	3,700	3,830	3,620	3,630	3,640	3,630	3,620	3,620
Transp., Trade, & Utilities	4,140	4,110	4,100	4,440	5,250	5,400	5,560	5,700	5,330	5,360	5,380	5,390	5,420	5,450
Information & Financial Activities	2,320	2,210	2,190	1,770	2,140	2,240	2,340	2,450	2,320	2,350	2,390	2,420	2,450	2,480
Professional & Business Services	3,490	3,480	3,630	3,110	3,850	4,060	4,290	4,520	4,270	4,350	4,410	4,500	4,580	4,650
Educational & Health Services	3,490	3,480	3,630	3,110	3,850	4,060	4,290	4,520	4,270	4,350	4,410	4,500	4,580	4,650
Leisure, Hospitality, & Other Svcs.	1,960	1,910	1,960	1,620	1,920	2,000	2,080	2,160	2,010	2,000	2,000	2,010	2,030	2,050
Government	1,960	1,910	1,960	1,620	1,920	2,000	2,080	2,160	2,010	2,000	2,000	2,010	2,030	2,050
Total Nonagricultural	21,430	21,000	20,950	18,460	22,190	23,150	24,120	25,090	23,590	23,810	24,040	24,260	24,490	24,740
Population & Households:														
Population:	40,290	40,260	40,410	37,610	45,220	46,770	48,370	50,010	46,710	47,050	47,380	47,710	48,030	48,310
Households:	16,140	16,350	16,570	18,320	18,330	18,470	18,610	18,760	18,980	19,140	19,290	19,460	19,630	19,780
Persons per Household:	2.46	2.46	2.45	2.02	2.43	2.49	2.56	2.62	2.42	2.42	2.42	2.41	2.41	2.40
Personal Income:	(Millions)													
Current Year $:	$1,736	$1,821	$1,905	$1,654	$2,086	$2,250	$2,426	$2,613	$2,527	$2,644	$2,762	$2,882	$3,009	$3,146
2009 $:	1,541	1,583	1,623	1,386	1,716	1,813	1,912	2,017	1,912	1,961	2,009	2,056	2,105	2,157
Per Capita Personal Income:														
Current Year $:	$43,090	$45,230	$47,130	$43,970	$46,120	$48,110	$50,150	$52,240	$54,110	$56,200	$58,290	$60,400	$62,650	$65,130
2009 $:	38,250	39,330	40,180	36,860	37,940	38,760	39,530	40,320	40,930	41,680	42,400	43,090	43,820	44,660

Nez Perce County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,270	1,280	1,280	1,300	1,320	1,330	1,350	1,360	1,380	1,390	1,420	1,440	1,470	1,500
Manufacturing	3,620	3,590	3,570	3,550	3,520	3,500	3,460	3,430	3,380	3,350	3,320	3,290	3,270	3,240
Transp., Trade, & Utilities	5,040	5,050	5,080	5,100	5,130	5,150	5,160	5,170	5,190	5,210	5,220	5,220	5,220	5,220
Information & Financial Activities	1,650	1,650	1,660	1,660	1,660	1,660	1,650	1,650	1,640	1,640	1,640	1,640	1,630	1,630
Professional & Business Services	1,300	1,320	1,340	1,360	1,390	1,420	1,430	1,450	1,460	1,480	1,500	1,510	1,530	1,540
Educational & Health Services	4,730	4,830	4,920	5,000	5,070	5,120	5,190	5,290	5,410	5,530	5,660	5,790	5,930	6,070
Leisure, Hospitality, & Other Svcs.	3,460	3,490	3,510	3,530	3,550	3,570	3,600	3,630	3,670	3,700	3,730	3,750	3,770	3,790
Government	3,900	3,980	4,050	4,100	4,160	4,230	4,310	4,390	4,480	4,570	4,640	4,730	4,810	4,900
Total Nonagricultural	24,960	25,190	25,410	25,600	25,800	25,980	26,160	26,360	26,610	26,880	27,120	27,370	27,630	27,880
Population & Households:														
Population:	48,600	48,870	49,130	49,390	49,640	49,860	50,090	50,320	50,550	50,770	51,000	51,220	51,430	51,640
Households:	19,890	20,010	20,130	20,270	20,410	20,540	20,680	20,830	20,970	21,100	21,240	21,380	21,480	21,580
Persons per Household:	2.40	2.40	2.40	2.40	2.39	2.39	2.38	2.38	2.37	2.37	2.36	2.36	2.36	2.35
Personal Income:	(Millions)													
Current Year $:	$3,289	$3,436	$3,593	$3,756	$3,930	$4,105	$4,284	$4,475	$4,678	$4,895	$5,121	$5,363	$5,627	$5,905
2009 $:	2,209	2,261	2,316	2,371	2,430	2,485	2,540	2,598	2,657	2,722	2,787	2,856	2,931	3,009
Per Capita Personal Income:														
Current Year $:	$67,670	$70,300	$73,140	$76,050	$79,170	$82,320	$85,530	$88,930	$92,540	$96,420	$100,420	$104,720	$109,420	$114,330
2009 $:	45,460	46,270	47,150	48,000	48,940	49,840	50,710	51,620	52,570	53,610	54,650	55,760	57,000	58,260

Idaho Economics
Winter 2020 County Economic Forecasts

Oneida County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,520	4,140	4,290	5,310	6,280	6,330	6,420	6,490	6,530
Population per Square Mile	2.9	3.4	3.6	4.4	5.2	5.3	5.3	5.4	5.4
Total Households:	1,150	1,440	1,550	2,400	2,390	2,440	2,500	2,570	2,620
Persons per Household	3.02	2.83	2.75	2.20	2.61	2.57	2.55	2.50	2.48
Employment:									
Total Nonagricultural	680	900	1,010	1,520	1,770	1,760	1,770	1,780	1,790
Manufacturing:	10	10	10	410	450	450	450	450	450
Services	100	140	180	270	300	300	300	300	300

Oneida County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	60	50	60	70	90	90	70	60	110	120	120	150	190	200	250
Manufacturing	10	10	10	20	20	20	20	10	10	20	20	20	20	20	30
Transp., Trade, & Utilities	110	120	180	180	190	200	210	190	190	180	190	200	200	210	210
Information & Financial Activities	90	70	50	70	70	80	90	80	70	60	70	70	80	70	70
Professional & Business Services	10	10	20	50	80	50	20	20	10	10	50	30	10	20	20
Educational & Health Services	40	50	60	70	80	90	90	70	60	70	70	80	70	60	60
Leisure, Hospitality, & Other Svcs.	50	50	60	90	70	90	100	100	100	110	100	100	100	100	110
Government	320	400	460	440	440	450	430	460	470	460	450	460	460	460	460
Total Nonagricultural	680	760	900	980	1,050	1,090	1,030	980	1,010	1,000	1,060	1,090	1,100	1,100	1,170
Population & Households:															
Population:	3,520	3,850	4,140	4,140	4,150	4,170	4,200	4,250	4,290	4,230	4,230	4,260	4,180	4,250	4,300
Households:	1,150	1,280	1,440	1,510	1,520	1,540	1,540	1,540	1,550	1,520	1,520	1,540	1,520	1,540	1,560
Persons per Household:	2.81	2.78	2.75	2.71	2.69	2.69	2.70	2.74	2.75	2.75	2.75	2.74	2.73	2.72	2.71
Personal Income:	(Millions)														
Current Year $:	$43	$57	$73	$94	$102	$117	$126	$119	$118	$122	$124	$127	$129	$137	$139
2009 $:	64	75	89	98	102	112	117	114	120	123	121	126	131	132	134
Per Capita Personal Income:															
Current Year $:	$12,160	$14,800	$17,790	$21,870	$23,200	$26,150	$27,870	$26,840	$28,290	$30,170	$30,330	$31,720	$33,960	$33,920	$34,700
2009 $:	18,030	19,380	21,400	23,700	24,490	26,930	27,850	26,840	27,830	28,970	28,590	29,550	31,220	31,130	31,400

Oneida County

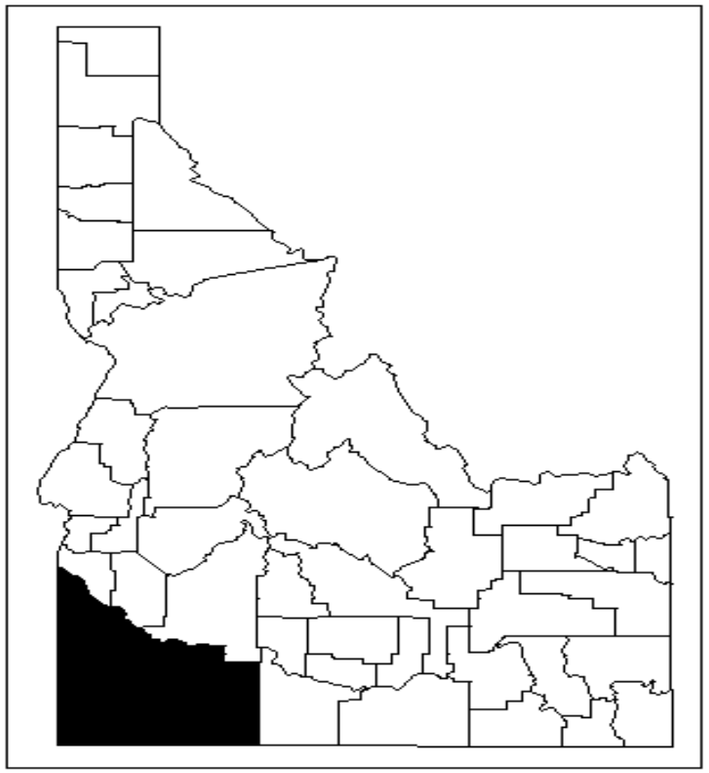
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	270	280	130	120	140	150	160	160	150	150	150	150	150	150
Manufacturing	30	30	110	410	450	450	460	470	450	450	450	450	450	450
Transp., Trade, & Utilities	220	240	240	180	210	220	220	230	210	210	200	200	200	200
Information & Financial Activities	90	90	100	250	280	280	280	290	270	270	270	270	270	270
Professional & Business Services	60	60	60	100	110	110	110	110	110	110	110	110	110	110
Educational & Health Services	60	60	60	100	110	110	110	110	110	110	110	110	110	110
Leisure, Hospitality, & Other Svcs.	90	100	100	50	70	70	70	70	60	60	60	60	50	50
Government	90	100	100	50	70	70	70	70	60	60	60	60	50	50
Total Nonagricultural	1,200	1,270	1,220	1,520	1,750	1,790	1,840	1,880	1,770	1,760	1,760	1,760	1,760	1,760
Population & Households:														
Population:	4,390	4,460	4,530	5,310	6,210	6,370	6,530	6,700	6,280	6,290	6,290	6,300	6,310	6,330
Households:	1,580	1,600	1,630	2,400	2,340	2,340	2,350	2,350	2,390	2,400	2,410	2,420	2,430	2,440
Persons per Household:	2.69	2.68	2.66	2.20	2.63	2.70	2.76	2.83	2.61	2.60	2.59	2.59	2.58	2.57
Personal Income:	(Millions)													
Current Year $:	$155	$163	$170	$147	$184	$197	$210	$224	$215	$223	$231	$240	$249	$259
2009 $:	138	141	144	123	152	158	165	173	162	165	168	171	174	178
Per Capita Personal Income:														
Current Year $:	$35,310	$36,430	$37,410	$27,700	$29,680	$30,860	$32,090	$33,420	$34,200	$35,470	$36,760	$38,040	$39,440	$40,960
2009 $:	31,340	31,670	31,890	23,220	24,410	24,860	25,290	25,800	25,870	26,310	26,740	27,140	27,590	28,090

Oneida County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	150	150	150	150	150	150	150	150	150	150	150	160	160	160
Manufacturing	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Transp., Trade, & Utilities	190	190	190	190	190	190	190	180	180	180	180	180	180	180
Information & Financial Activities	160	160	160	160	160	160	160	150	150	150	150	150	150	150
Professional & Business Services	120	120	120	120	120	120	120	120	120	120	120	120	120	120
Educational & Health Services	110	110	110	110	110	110	110	110	120	120	120	120	120	120
Leisure, Hospitality, & Other Svcs.	70	70	70	70	60	60	60	60	60	60	60	60	60	60
Government	520	520	520	520	530	530	530	540	540	550	550	550	550	560
Total Nonagricultural	1,760	1,760	1,770	1,770	1,770	1,770	1,780	1,780	1,780	1,780	1,790	1,790	1,790	1,790
Population & Households:														
Population:	6,350	6,370	6,390	6,410	6,420	6,440	6,450	6,470	6,480	6,490	6,510	6,520	6,530	6,540
Households:	2,450	2,460	2,470	2,490	2,500	2,510	2,530	2,550	2,560	2,570	2,590	2,600	2,610	2,620
Persons per Household:	2.57	2.57	2.56	2.56	2.55	2.54	2.53	2.52	2.51	2.50	2.50	2.49	2.48	2.48
Personal Income:	(Millions)													
Current Year $:	$270	$281	$293	$305	$318	$332	$346	$360	$375	$392	$407	$423	$441	$459
2009 $:	181	185	189	192	197	201	205	209	213	218	221	225	230	234
Per Capita Personal Income:														
Current Year $:	$42,490	$44,050	$45,800	$47,570	$49,560	$51,550	$53,590	$55,680	$57,920	$60,310	$62,530	$64,910	$67,510	$70,230
2009 $:	28,540	28,990	29,520	30,030	30,640	31,210	31,770	32,320	32,910	33,530	34,020	34,560	35,170	35,780

Idaho Economics
Winter 2020 County Economic Forecasts

Owyhee County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	8,460	10,690	11,470	14,440	16,760	16,940	17,380	17,800	18,170
Population per Square Mile	1.1	1.4	1.5	1.9	2.2	2.2	2.3	2.3	2.4
Total Households:	2,800	3,750	4,090	6,270	6,080	6,170	6,330	6,520	6,660
Persons per Household	3.00	2.84	2.79	2.29	2.74	2.73	2.73	2.71	2.71
Employment:									
Total Nonagricultural	1,800	2,470	3,060	3,400	3,930	3,960	4,090	4,200	4,310
Manufacturing:	110	130	190	160	170	170	170	160	160
Services	340	340	420	790	930	970	1,020	1,070	1,110

Owyhee County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	420	660	950	840	1,060	990	1,070	1,230	1,390	1,200	1,370	1,360	1,260	1,350	1,330
Manufacturing	110	130	130	170	190	200	180	160	190	180	160	180	180	170	160
Transp., Trade, & Utilities	270	290	290	350	350	380	380	370	310	310	310	320	340	360	380
Information & Financial Activities	50	40	40	70	70	50	50	50	50	50	50	50	50	60	60
Professional & Business Services	100	90	50	140	170	170	180	160	130	150	150	150	150	150	140
Educational & Health Services	130	140	130	130	130	130	130	150	130	140	150	140	140	150	170
Leisure, Hospitality, & Other Svcs.	110	130	150	140	180	190	200	190	160	150	130	140	170	160	170
Government	620	700	720	750	760	770	800	860	850	830	820	810	780	770	750
Total Nonagricultural	1,800	2,170	2,470	2,590	2,910	2,890	2,990	3,200	3,060	2,870	3,010	3,030	2,960	3,060	3,090
Population & Households:															
Population:	8,460	9,610	10,690	10,990	11,110	11,260	11,520	11,550	11,470	11,380	11,410	11,390	11,290	11,290	11,360
Households:	2,800	3,270	3,750	4,000	4,050	4,080	4,140	4,090	4,090	4,050	4,060	4,050	4,000	4,010	4,010
Persons per Household:	2.82	2.79	2.76	2.74	2.73	2.74	2.77	2.81	2.79	2.80	2.80	2.81	2.82	2.82	2.81
Personal Income:	(Millions)														
Current Year $:	$109	$146	$195	$255	$267	$295	$291	$221	$294	$322	$334	$332	$364	$367	$366
2005 $:	161	191	237	290	299	326	319	297	314	340	348	362	378	367	363
Per Capita Personal Income:															
Current Year $:	$12,850	$15,150	$18,320	$24,170	$25,360	$28,080	$27,710	$25,720	$27,740	$31,000	$32,300	$33,890	$36,110	$35,130	$35,290
2005 $:	19,060	19,840	22,030	26,200	26,770	28,920	27,690	25,720	27,290	29,770	30,450	31,580	33,200	32,240	31,940

Owyhee County

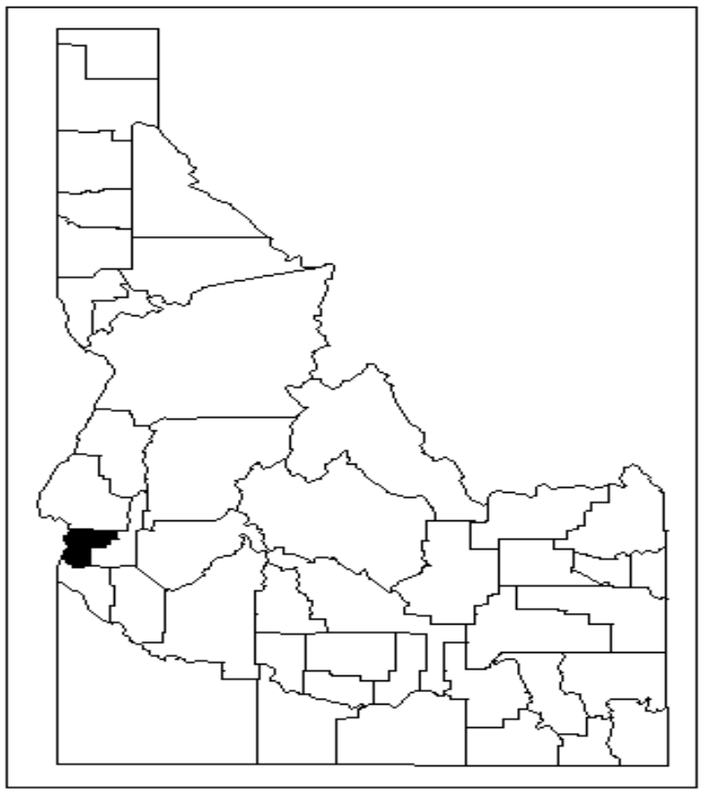
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	1,260	1,290	1,250	1,040	1,260	1,310	1,350	1,390	1,270	1,260	1,260	1,250	1,250	1,250
Manufacturing	160	170	160	160	160	170	170	180	170	170	170	170	170	170
Transp., Trade, & Utilities	410	430	460	520	520	540	550	560	510	510	510	510	510	510
Information & Financial Activities	160	200	210	240	280	290	300	310	290	290	290	300	300	300
Professional & Business Services	170	190	190	290	330	340	350	360	340	340	350	350	360	360
Educational & Health Services	170	190	190	290	330	340	350	360	340	340	350	350	360	360
Leisure, Hospitality, & Other Svcs.	170	180	190	290	330	330	340	350	330	320	320	320	330	330
Government	170	180	190	290	330	330	340	350	330	320	320	320	330	330
Total Nonagricultural	3,040	3,150	3,160	3,400	3,890	4,010	4,120	4,230	3,930	3,920	3,920	3,920	3,940	3,960
Population & Households:														
Population:	11,620	11,670	11,820	14,440	16,770	17,140	17,510	17,890	16,760	16,750	16,760	16,790	16,860	16,940
Households:	4,030	4,060	4,080	6,270	6,060	6,040	6,010	5,990	6,080	6,080	6,100	6,120	6,140	6,170
Persons per Household:	2.80	2.79	2.77	2.29	2.75	2.82	2.90	2.97	2.74	2.74	2.73	2.73	2.73	2.73
Personal Income:	(Millions)													
Current Year $:	$418	$438	$456	$398	$497	$527	$558	$595	$569	$590	$611	$632	$656	$685
2005 $:	371	381	389	333	409	424	440	459	430	438	445	451	459	470
Per Capita Personal Income:														
Current Year $:	$36,000	$37,530	$38,560	$27,550	$29,650	$30,740	$31,880	$33,230	$33,930	$35,250	$36,470	$37,620	$38,910	$40,430
2005 $:	31,950	32,630	32,870	23,090	24,390	24,770	25,130	25,650	25,670	26,140	26,530	26,840	27,220	27,720

Owyhee County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,250	1,250	1,250	1,250	1,260	1,270	1,270	1,270	1,280	1,280	1,290	1,300	1,300	1,320
Manufacturing	170	170	170	170	170	170	170	170	160	160	160	160	160	160
Transp., Trade, & Utilities	490	490	500	500	500	500	500	500	500	500	500	500	500	500
Information & Financial Activities	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Professional & Business Services	250	260	260	260	270	270	270	270	270	280	280	280	280	280
Educational & Health Services	370	370	380	380	390	390	390	400	410	410	420	430	440	450
Leisure, Hospitality, & Other Svcs.	360	360	360	360	370	370	370	370	370	380	380	380	380	380
Government	1,020	1,030	1,050	1,060	1,070	1,080	1,090	1,090	1,100	1,120	1,120	1,130	1,140	1,150
Total Nonagricultural	3,980	4,010	4,030	4,060	4,090	4,110	4,120	4,140	4,170	4,200	4,220	4,240	4,270	4,300
Population & Households:														
Population:	17,030	17,120	17,210	17,290	17,380	17,460	17,550	17,630	17,710	17,800	17,880	17,960	18,040	18,130
Households:	6,200	6,230	6,260	6,300	6,330	6,370	6,410	6,450	6,490	6,520	6,560	6,600	6,620	6,650
Persons per Household:	2.73	2.73	2.73	2.73	2.73	2.73	2.72	2.72	2.71	2.71	2.71	2.71	2.71	2.71
Personal Income:	(Millions)													
Current Year $:	$709	$737	$765	$794	$824	$855	$885	$916	$949	$989	$1,021	$1,058	$1,097	$1,138
2009 $:	476	485	493	501	510	518	525	532	539	550	556	563	571	580
Per Capita Personal Income:														
Current Year $:	$41,630	$43,030	$44,480	$45,900	$47,450	$48,970	$50,430	$51,950	$53,600	$55,560	$57,100	$58,890	$60,780	$62,770
2009 $:	27,960	28,320	28,670	28,970	29,330	29,650	29,900	30,160	30,450	30,900	31,070	31,350	31,660	31,980

Idaho Economics
Winter 2020 County Economic Forecasts

Payette County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	16,480	20,620	22,640	23,870	29,750	31,000	32,110	33,120	33,960
Population per Square Mile	40.4	50.6	55.6	58.6	73.0	76.1	78.8	81.3	83.3
Total Households:	6,140	7,440	8,270	10,470	10,730	11,210	11,730	12,310	12,760
Persons per Household	2.67	2.76	2.72	2.27	2.76	2.75	2.73	2.68	2.65
Employment:									
Total Nonagricultural	4,580	5,820	5,590	7,760	9,240	9,410	9,560	9,710	9,830
Manufacturing:	1,010	1,460	1,110	1,020	1,260	1,240	1,190	1,110	1,050
Services	850	1,420	1,440	2,390	2,800	2,880	2,960	3,050	3,130

Payette County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	360	250	280	330	390	440	410	320	810	940	790	680	690	610	650
Manufacturing	1,010	1,370	1,460	1,340	1,360	1,390	1,250	1,090	1,110	1,060	1,060	1,290	1,290	1,250	1,300
Transp., Trade, & Utilities	1,250	1,170	1,310	1,140	1,090	1,060	1,060	920	920	900	870	860	880	910	910
Information & Financial Activities	220	260	190	340	360	410	410	410	250	250	260	250	280	310	320
Professional & Business Services	160	340	560	480	570	670	580	480	450	480	460	440	460	630	700
Educational & Health Services	340	420	400	510	580	630	640	600	510	510	530	580	650	680	730
Leisure, Hospitality, & Other Svcs.	340	420	450	570	610	630	650	560	480	460	460	240	230	240	490
Government	890	1,000	1,160	1,100	1,130	1,150	1,150	1,130	1,160	1,140	1,090	1,080	1,090	1,100	1,100
Total Nonagricultural	4,580	5,220	5,820	5,820	6,090	6,370	6,140	5,510	5,590	5,720	5,600	5,770	6,030	6,430	6,190
Population & Households:															
Population:	16,480	19,260	20,620	21,480	21,920	22,440	22,620	22,670	22,640	22,550	22,680	22,550	22,750	22,790	22,890
Households:	6,140	6,950	7,440	8,000	8,200	8,400	8,380	8,270	8,270	8,180	8,200	8,170	8,260	8,300	8,370
Persons per Household:	2.74	2.72	2.70	2.68	2.66	2.66	2.69	2.73	2.72	2.74	2.75	2.75	2.75	2.76	2.75
Personal Income:	(Millions)														
Current Year $:	$210	$298	$409	$572	$613	$657	$683	$642	$678	$708	$747	$759	$783	$817	$848
2009 $:	311	390	499	616	621	627	611	595	624	644	674	694	725	760	782
Per Capita Personal Income:															
Current Year $:	$12,740	$15,450	$20,110	$26,420	$26,800	$27,090	$27,000	$26,220	$28,020	$29,770	$31,500	$32,960	$34,490	$36,020	$37,300
2009 $:	18,890	20,230	24,190	28,630	28,290	27,900	26,990	26,220	27,560	28,590	29,700	30,710	31,710	33,060	33,760

Payette County

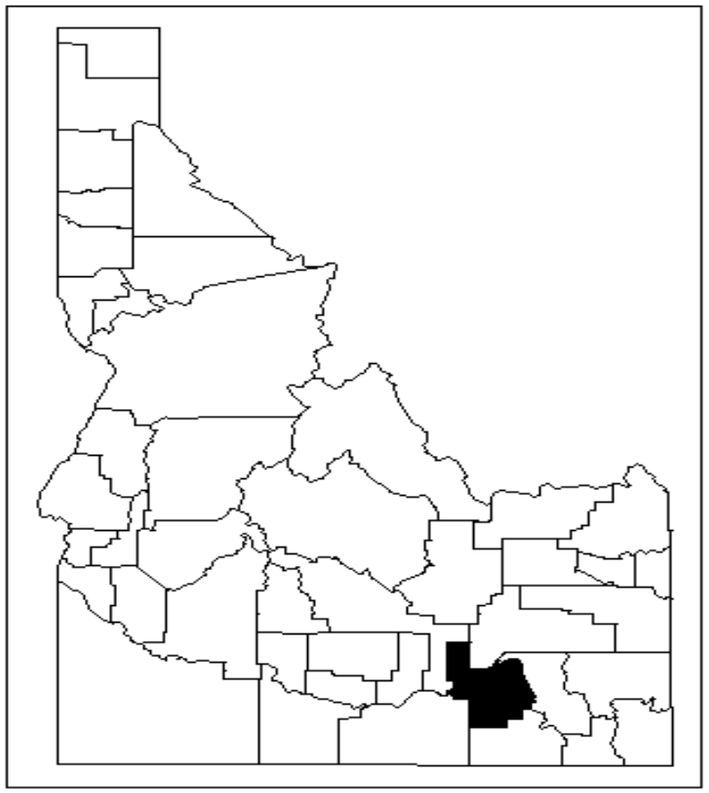
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	620	660	710	1,650	1,860	1,900	1,950	2,000	1,920	1,920	1,930	1,940	1,950	1,960
Manufacturing	1,290	1,250	1,260	1,020	1,210	1,250	1,300	1,340	1,260	1,260	1,260	1,250	1,240	1,240
Transp., Trade, & Utilities	1,180	1,080	1,060	1,320	1,540	1,590	1,640	1,680	1,550	1,550	1,550	1,540	1,550	1,550
Information & Financial Activities	840	930	950	1,600	1,820	1,870	1,920	1,970	1,870	1,880	1,890	1,890	1,900	1,910
Professional & Business Services	820	830	820	540	560	600	640	680	630	630	640	650	660	670
Educational & Health Services	820	830	820	540	560	600	640	680	630	630	640	650	660	670
Leisure, Hospitality, & Other Svcs.	290	290	300	350	410	420	430	440	410	400	400	400	400	400
Government	290	290	300	350	410	420	430	440	410	400	400	400	400	400
Total Nonagricultural	6,390	6,420	6,510	7,760	8,910	9,210	9,520	9,820	9,240	9,270	9,300	9,330	9,370	9,410
Population & Households:														
Population:	23,160	23,510	23,950	23,870	28,540	29,560	30,610	31,700	29,750	30,010	30,270	30,530	30,770	31,000
Households:	8,450	8,570	8,690	10,470	10,390	10,450	10,520	10,580	10,730	10,800	10,870	10,990	11,110	11,210
Persons per Household:	2.75	2.75	2.74	2.27	2.74	2.81	2.90	2.98	2.76	2.77	2.77	2.76	2.76	2.75
Personal Income:	(Millions)													
Current Year $:	$905	$949	$992	$860	$1,080	$1,161	$1,249	$1,340	$1,290	$1,344	$1,398	$1,453	$1,510	$1,572
2009 $:	803	825	846	721	888	935	984	1,034	976	996	1,017	1,037	1,056	1,078
Per Capita Personal Income:														
Current Year $:	$39,050	$40,360	$41,420	$36,050	$37,830	$39,290	$40,800	$42,280	$43,370	$44,770	$46,170	$47,590	$49,070	$50,700
2009 $:	34,660	35,090	35,310	30,220	31,120	31,650	32,160	32,630	32,810	33,200	33,580	33,950	34,320	34,770

Payette County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,960	1,970	1,980	1,990	2,000	2,020	2,030	2,040	2,050	2,060	2,080	2,090	2,110	2,120
Manufacturing	1,230	1,220	1,210	1,200	1,190	1,180	1,160	1,150	1,130	1,110	1,100	1,090	1,080	1,060
Transp., Trade, & Utilities	1,490	1,490	1,500	1,500	1,500	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500
Information & Financial Activities	640	640	640	640	640	630	630	630	620	620	620	610	610	600
Professional & Business Services	1,330	1,340	1,340	1,350	1,360	1,370	1,370	1,370	1,370	1,380	1,380	1,380	1,380	1,380
Educational & Health Services	680	690	710	720	720	730	740	750	770	790	810	830	850	870
Leisure, Hospitality, & Other Svcs.	880	880	880	880	880	880	880	880	880	880	880	880	880	880
Government	1,210	1,220	1,240	1,250	1,270	1,280	1,300	1,310	1,330	1,350	1,360	1,380	1,400	1,410
Total Nonagricultural	9,430	9,460	9,500	9,530	9,560	9,590	9,610	9,630	9,670	9,710	9,730	9,770	9,800	9,820
Population & Households:														
Population:	31,220	31,440	31,670	31,890	32,110	32,320	32,520	32,720	32,920	33,120	33,300	33,490	33,670	33,850
Households:	11,300	11,390	11,500	11,610	11,730	11,840	11,960	12,080	12,200	12,310	12,420	12,540	12,630	12,720
Persons per Household:	2.75	2.75	2.74	2.73	2.73	2.72	2.71	2.70	2.69	2.68	2.67	2.66	2.65	2.65
Personal Income:	(Millions)													
Current Year $:	$1,632	$1,694	$1,763	$1,833	$1,911	$1,989	$2,069	$2,152	$2,240	$2,336	$2,424	$2,521	$2,626	$2,736
2009 $:	1,096	1,115	1,136	1,157	1,181	1,204	1,227	1,249	1,273	1,299	1,319	1,342	1,368	1,394
Per Capita Personal Income:														
Current Year $:	$52,270	$53,870	$55,660	$57,490	$59,520	$61,550	$63,610	$65,760	$68,050	$70,530	$72,790	$75,270	$77,990	$80,820
2009 $:	35,110	35,450	35,880	36,290	36,790	37,270	37,710	38,170	38,660	39,220	39,610	40,080	40,620	41,180

Idaho Economics
Winter 2020 County Economic Forecasts

Power County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	7,070	7,480	7,870	6,850	6,940	7,080	7,230	7,380	7,560
Population per Square Mile	5.0	5.3	5.6	4.9	4.9	5.0	5.1	5.3	5.4
Total Households:	2,390	2,580	2,640	2,410	2,510	2,650	2,790	2,960	3,100
Persons per Household	2.93	2.88	2.95	2.81	2.74	2.65	2.57	2.47	2.41
Employment:									
Total Nonagricultural	3,750	4,250	3,000	2,800	2,710	2,620	2,560	2,480	2,420
Manufacturing:	1,670	1,760	1,040	1,020	1,160	1,170	1,180	1,190	1,210
Services	260	420	230	430	420	420	410	410	400

Power County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	310	270	380	280	290	310	290	240	490	590	640	650	680	790	650
Manufacturing	1,670	1,950	1,760	700	1,020	1,080	1,080	1,090	1,040	1,060	1,080	1,090	1,080	970	1,050
Transp., Trade, & Utilities	720	620	730	600	590	620	690	650	590	620	550	560	620	610	600
Information & Financial Activities	170	160	140	100	100	110	110	100	100	110	110	110	120	130	120
Professional & Business Services	40	100	210	110	90	90	90	80	60	60	70	70	80	80	90
Educational & Health Services	50	60	40	40	50	40	40	40	60	60	50	60	70	60	60
Leisure, Hospitality, & Other Svcs.	170	180	170	130	130	150	160	150	110	120	120	110	100	110	110
Government	630	670	830	730	730	750	750	750	740	750	720	730	730	680	620
Total Nonagricultural	3,750	4,030	4,250	2,680	2,990	3,150	3,220	3,100	3,000	3,190	3,210	3,230	3,330	3,500	3,520
Population & Households:															
Population:	7,070	7,730	7,480	7,430	7,560	7,530	7,560	7,630	7,870	7,780	7,830	7,790	7,730	7,690	7,680
Households:	2,390	2,580	2,580	2,630	2,640	2,640	2,570	2,650	2,640	2,660	2,690	2,670	2,640	2,650	2,660
Persons per Household:	2.87	2.87	2.85	2.80	2.84	2.84	2.92	2.86	2.95	2.90	2.87	2.86	2.86	2.87	2.87
Personal Income:	(Millions)														
Current Year $:	$131	$146	$169	$169	$190	$214	$231	$232	$237	$275	$281	$280	$259	$274	$278
2009 $:	195	192	207	202	217	241	259	254	250	285	283	295	309	312	312
Per Capita Personal Income:															
Current Year $:	$18,580	$18,930	$22,940	$25,030	$27,140	$30,990	$34,290	$33,270	$32,360	$38,270	$38,620	$41,070	$44,070	$44,450	$44,930
2009 $:	27,550	24,790	27,590	27,130	28,650	31,920	34,270	33,270	31,830	36,750	36,410	38,260	40,520	40,800	40,650

Power County

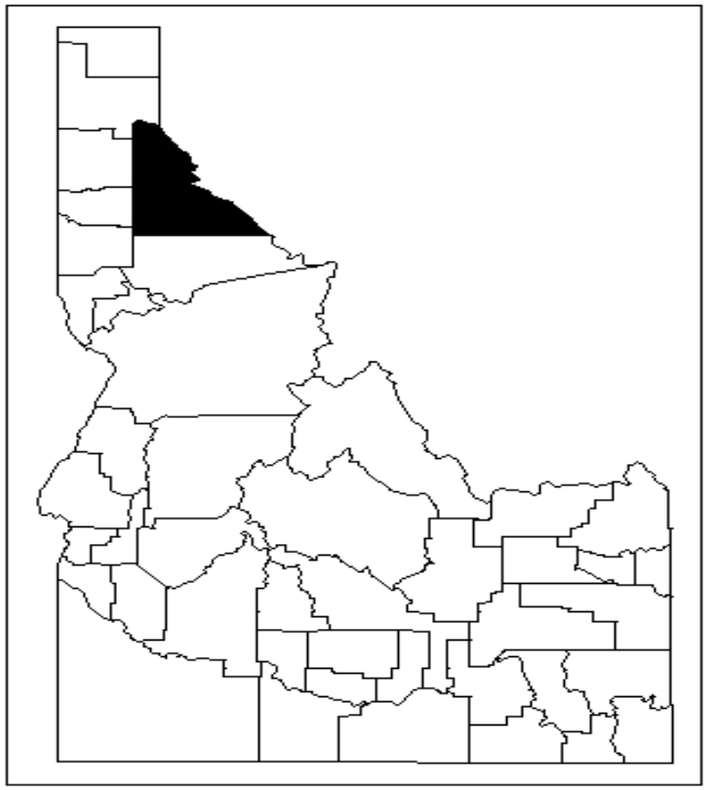
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	640	600	580	1,080	1,080	1,080	1,080	1,080	1,080	1,070	1,070	1,060	1,060	1,050
Manufacturing	1,040	1,120	1,040	1,020	1,150	1,150	1,150	1,150	1,160	1,160	1,160	1,160	1,170	1,170
Transp., Trade, & Utilities	650	710	700	690	690	680	670	660	650	640	630	630	630	620
Information & Financial Activities	160	150	150	120	120	120	120	120	120	120	120	120	120	120
Professional & Business Services	60	80	70	20	20	20	20	20	20	20	20	20	20	20
Educational & Health Services	60	80	70	20	20	20	20	20	20	20	20	20	20	20
Leisure, Hospitality, & Other Svcs.	70	90	90	210	210	210	210	210	210	210	210	210	210	210
Government	70	90	90	210	210	210	210	210	210	210	210	210	210	210
Total Nonagricultural	3,310	3,440	3,350	2,800	2,780	2,770	2,760	2,740	2,710	2,680	2,660	2,650	2,630	2,620
Population & Households:														
Population:	7,610	7,700	7,680	6,850	6,870	6,880	6,900	6,920	6,940	6,960	6,990	7,020	7,050	7,080
Households:	2,680	2,700	2,710	2,410	2,430	2,450	2,470	2,490	2,510	2,540	2,560	2,590	2,620	2,650
Persons per Household:	2.86	2.85	2.84	2.81	2.80	2.78	2.76	2.75	2.74	2.72	2.71	2.69	2.67	2.65
Personal Income:	(Millions)													
Current Year $:	$358	$369	$380	$394	$407	$420	$431	$444	$456	$473	$489	$503	$520	$540
2009 $:	318	321	324	330	335	338	339	343	345	351	356	359	364	370
Per Capita Personal Income:														
Current Year $:	$47,100	$47,980	$49,490	$57,590	$59,310	$60,940	$62,380	$64,130	$65,690	$67,860	$69,910	$71,650	$73,710	$76,290
2009 $:	41,800	41,720	42,190	48,280	48,790	49,090	49,170	49,500	49,690	50,330	50,850	51,120	51,560	52,310

Power County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	1,050	1,050	1,050	1,050	1,050	1,040	1,040	1,040	1,040	1,040	1,040	1,050	1,050	1,050
Manufacturing	1,170	1,170	1,180	1,180	1,180	1,180	1,190	1,190	1,190	1,190	1,200	1,200	1,200	1,200
Transp., Trade, & Utilities	570	570	570	560	560	560	550	550	540	540	530	530	520	520
Information & Financial Activities	100	100	100	100	100	100	100	90	90	90	90	90	90	90
Professional & Business Services	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Educational & Health Services	30	30	30	30	30	30	30	30	30	30	30	30	30	40
Leisure, Hospitality, & Other Svcs.	330	330	330	330	320	320	320	320	320	320	310	310	310	310
Government	530	540	540	550	550	550	560	560	570	580	580	580	590	590
Total Nonagricultural	2,610	2,600	2,590	2,570	2,560	2,540	2,520	2,500	2,490	2,480	2,460	2,450	2,440	2,420
Population & Households:														
Population:	7,120	7,150	7,180	7,210	7,230	7,260	7,290	7,320	7,350	7,380	7,420	7,450	7,480	7,510
Households:	2,680	2,700	2,730	2,760	2,790	2,820	2,860	2,890	2,920	2,960	2,990	3,020	3,050	3,080
Persons per Household:	2.64	2.62	2.60	2.59	2.57	2.55	2.53	2.51	2.49	2.47	2.46	2.44	2.43	2.41
Personal Income:	(Millions)													
Current Year $:	$559	$581	$605	$629	$655	$679	$701	$725	$749	$777	$800	$826	$852	$877
2009 $:	375	382	390	397	405	411	416	421	425	432	435	440	444	447
Per Capita Personal Income:														
Current Year $:	$78,530	$81,220	$84,230	$87,330	$90,620	$93,530	$96,210	$99,000	$101,850	$105,180	$107,900	$110,970	$113,980	$116,860
2009 $:	52,760	53,450	54,290	55,120	56,020	56,630	57,040	57,460	57,860	58,490	58,710	59,090	59,370	59,540

Idaho Economics
Winter 2020 County Economic Forecasts

Shoshone County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	14,010	13,760	12,750	16,040	15,310	14,760	14,350	13,900	13,460
Population per Square Mile	5.3	5.2	4.8	6.1	5.8	5.6	5.4	5.3	5.1
Total Households:	5,750	5,960	5,610	7,610	7,740	7,860	7,980	8,130	8,150
Persons per Household	2.40	2.27	2.23	2.08	1.95	1.85	1.78	1.69	1.63
Employment:									
Total Nonagricultural	5,210	4,770	4,300	5,560	5,300	5,030	4,850	4,670	4,500
Manufacturing:	120	220	210	360	350	340	330	320	310
Services	1,150	1,380	1,160	2,790	2,730	2,650	2,610	2,560	2,520

Shoshone County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,330	410	590	380	400	490	570	380	760	880	960	1,030	980	980	930
Manufacturing	120	160	220	250	250	260	250	220	210	190	220	170	130	140	130
Transp., Trade, & Utilities	860	740	1,060	1,130	1,140	1,340	1,320	1,190	1,070	1,120	1,150	1,190	1,200	1,250	1,310
Information & Financial Activities	290	270	160	150	160	200	220	210	190	180	190	180	160	170	170
Professional & Business Services	230	240	380	350	300	280	280	280	340	360	340	280	250	250	260
Educational & Health Services	400	460	380	430	430	440	420	430	340	330	340	330	360	480	430
Leisure, Hospitality, & Other Svcs.	510	590	620	500	530	570	650	590	480	470	490	500	450	450	490
Government	1,460	1,500	1,360	1,120	1,120	1,100	1,110	1,120	1,120	1,080	1,080	1,080	1,060	1,060	1,060
Total Nonagricultural	5,210	4,360	4,770	4,300	4,330	4,690	4,820	4,410	4,300	4,430	4,630	4,620	4,470	4,630	4,640
Population & Households:															
Population:	14,010	14,140	13,760	12,910	13,010	12,950	13,030	12,860	12,750	12,660	12,700	12,670	12,380	12,440	12,420
Households:	5,750	5,960	5,960	5,810	5,890	5,870	5,850	5,680	5,610	5,580	5,610	5,630	5,530	5,570	5,620
Persons per Household:	2.26	2.23	2.22	2.19	2.18	2.18	2.20	2.23	2.23	2.23	2.23	2.22	2.21	2.20	2.18
Personal Income:	(Millions)														
Current Year $:	$203	$226	$279	$318	$326	$347	$371	$362	$376	$389	$414	$407	$411	$436	$437
2009 $:	301	296	339	380	385	401	400	394	400	406	435	436	427	443	450
Per Capita Personal Income:															
Current Year $:	$14,480	$15,970	$20,450	$27,070	$27,940	$29,990	$30,710	$30,570	$31,950	$33,430	$36,290	$36,880	$37,470	$38,830	$39,980
2009 $:	21,470	20,910	24,600	29,330	29,490	30,890	30,690	30,570	31,430	32,100	34,210	34,360	34,450	35,650	36,180

Shoshone County

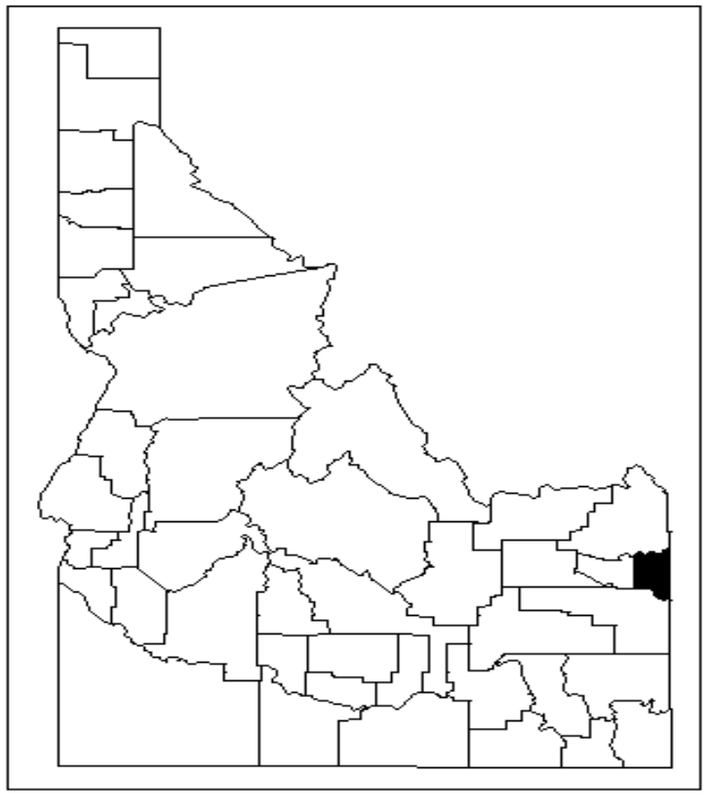
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	660	690	640	630	630	630	630	620	610	590	580	570	560	550
Manufacturing	160	140	160	360	360	360	350	350	350	350	340	340	340	340
Transp., Trade, & Utilities	1,230	1,210	1,160	730	710	690	670	640	610	590	570	550	540	520
Information & Financial Activities	380	400	410	40	40	40	40	40	30	30	30	20	20	20
Professional & Business Services	430	470	500	580	580	580	580	580	570	570	560	560	560	560
Educational & Health Services	430	470	500	580	580	580	580	580	570	570	560	560	560	560
Leisure, Hospitality, & Other Svcs.	630	670	700	1,980	1,970	1,960	1,960	1,940	1,930	1,910	1,900	1,900	1,890	1,880
Government	630	670	700	1,980	1,970	1,960	1,960	1,940	1,930	1,910	1,900	1,900	1,890	1,880
Total Nonagricultural	4,620	4,700	4,700	5,560	5,520	5,470	5,430	5,370	5,300	5,220	5,160	5,110	5,070	5,030
Population & Households:														
Population:	12,520	12,790	12,880	16,040	15,920	15,780	15,620	15,470	15,310	15,150	15,030	14,930	14,840	14,760
Households:	5,660	5,690	5,710	7,610	7,650	7,680	7,700	7,720	7,740	7,760	7,810	7,820	7,850	7,860
Persons per Household:	2.17	2.14	2.12	2.08	2.06	2.03	2.00	1.98	1.95	1.93	1.90	1.89	1.87	1.85
Personal Income:	(Millions)													
Current Year $:	$514	$528	$540	$550	$558	$569	$579	$588	$596	$604	$614	$625	$638	$654
2009 $:	456	459	461	461	459	458	456	454	451	448	447	446	447	448
Per Capita Personal Income:														
Current Year $:	$41,070	$41,300	$41,940	$34,300	$35,070	$36,040	$37,060	$38,020	$38,950	$39,870	$40,870	$41,890	$43,010	$44,300
2009 $:	36,460	35,910	35,750	28,750	28,850	29,040	29,220	29,350	29,460	29,570	29,730	29,890	30,090	30,380

Shoshone County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	540	520	510	510	500	500	490	480	470	470	460	460	450	450
Manufacturing	340	330	330	330	330	320	320	320	320	320	310	310	310	310
Transp., Trade, & Utilities	410	400	390	380	370	360	340	330	320	310	290	280	260	250
Information & Financial Activities	110	110	110	110	110	100	100	100	90	90	90	90	90	80
Professional & Business Services	10	10	10	0	10	10	0	0	0	(10)	(10)	(10)	(10)	(20)
Educational & Health Services	560	560	560	550	550	550	540	540	540	540	550	550	550	550
Leisure, Hospitality, & Other Svcs.	2,080	2,070	2,070	2,060	2,050	2,050	2,040	2,030	2,030	2,020	2,020	2,010	2,000	2,000
Government	950	950	950	950	940	940	940	930	930	930	920	920	920	920
Total Nonagricultural	4,990	4,960	4,920	4,890	4,850	4,810	4,770	4,730	4,700	4,670	4,630	4,600	4,560	4,530
Population & Households:														
Population:	14,680	14,600	14,520	14,440	14,350	14,270	14,180	14,090	14,000	13,900	13,810	13,720	13,620	13,520
Households:	7,880	7,900	7,920	7,950	7,980	8,010	8,040	8,070	8,100	8,130	8,150	8,170	8,190	8,190
Persons per Household:	1.84	1.83	1.81	1.80	1.78	1.76	1.74	1.73	1.71	1.69	1.68	1.66	1.65	1.63
Personal Income:	(Millions)													
Current Year $:	$668	$683	$700	$717	$736	$754	$771	$790	$810	$832	$851	$873	$897	$922
2009 $:	449	450	451	453	455	456	457	459	460	462	463	465	467	470
Per Capita Personal Income:														
Current Year $:	$45,530	$46,810	$48,200	$49,660	$51,240	$52,830	$54,410	$56,090	$57,880	$59,810	$61,620	$63,620	$65,850	$68,170
2009 $:	30,590	30,800	31,070	31,350	31,680	31,990	32,260	32,560	32,880	33,260	33,530	33,870	34,300	34,730

Idaho Economics
Winter 2020 County Economic Forecasts

Teton County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	3,470	6,100	10,150	9,740	13,650	17,860	21,340	25,170	29,310
Population per Square Mile	7.7	13.5	22.5	21.6	30.3	39.7	47.4	55.9	65.1
Total Households:	1,130	2,100	3,650	3,340	4,530	5,820	6,920	8,180	9,510
Persons per Household	3.05	2.90	2.77	2.90	3.00	3.05	3.07	3.06	3.06
Employment:									
Total Nonagricultural	720	1,700	2,520	4,280	5,410	6,440	7,240	8,130	9,070
Manufacturing:	10	50	120	280	320	360	380	390	410
Services	200	510	820	1,240	1,850	2,420	2,880	3,400	3,960

Teton County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	60	100	200	320	440	490	470	260	420	400	340	360	430	450	440
Manufacturing	10	40	50	130	140	160	110	100	120	120	90	90	90	120	130
Transp., Trade, & Utilities	100	210	360	450	510	550	540	480	430	400	420	460	460	450	450
Information & Financial Activities	40	100	80	180	220	260	280	220	210	220	190	170	160	160	160
Professional & Business Services	20	30	150	210	300	570	520	380	300	290	290	330	340	390	400
Educational & Health Services	30	50	80	150	170	160	170	150	120	110	110	270	280	300	310
Leisure, Hospitality, & Other Svcs.	160	240	290	400	410	590	590	440	410	430	560	610	670	660	700
Government	290	410	490	510	550	630	640	630	640	630	610	450	450	440	470
Total Nonagricultural	720	1,190	1,700	2,340	2,740	3,420	3,320	2,680	2,520	2,510	2,550	2,700	2,840	3,050	3,170
Population & Households:															
Population:	3,470	4,830	6,100	7,810	8,270	8,930	9,630	10,040	10,150	10,160	10,130	10,400	10,440	10,730	11,170
Households:	1,130	1,610	2,100	2,790	2,970	3,200	3,420	3,490	3,650	3,630	3,570	3,630	3,630	3,730	3,840
Persons per Household:	2.86	2.83	2.81	2.79	2.78	2.78	2.80	2.86	2.77	2.79	2.81	2.83	2.83	2.84	2.85
Personal Income:	(Millions)														
Current Year $:	$42	$72	$117	$208	$256	$298	$287	$256	$240	$258	$279	$274	$307	$331	$352
2009 $:	63	95	142	210	237	273	292	273	259	272	284	296	312	330	348
Per Capita Personal Income:															
Current Year $:	$12,190	$14,990	$19,350	$24,740	$27,050	$29,640	$30,320	$27,150	$25,890	$27,840	$29,830	$30,800	$32,790	$33,790	$35,000
2009 $:	18,080	19,630	23,270	26,810	28,550	30,530	30,300	27,150	25,470	26,740	28,120	28,700	30,140	31,020	31,670

Teton County

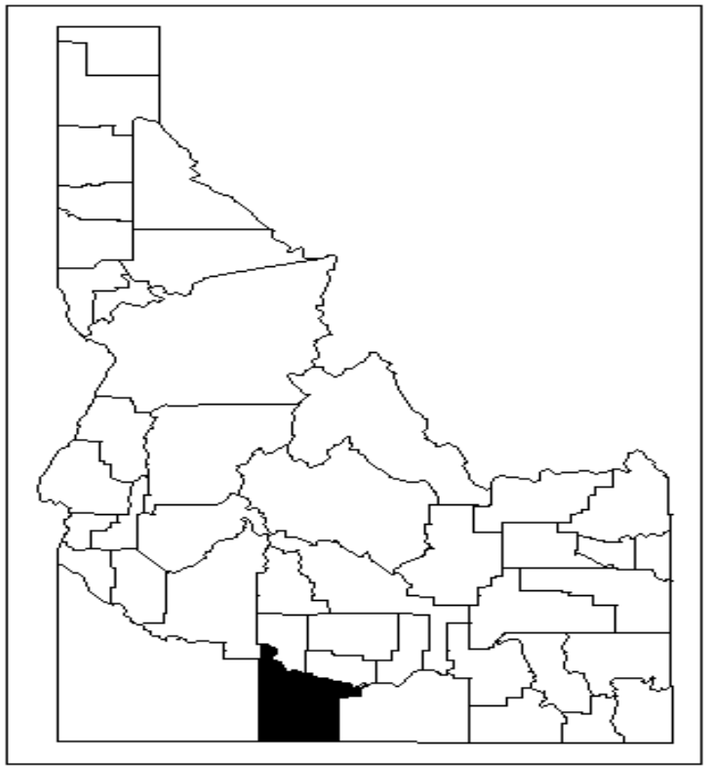
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	460	530	600	2,060	2,070	2,080	2,100	2,110	2,120	2,120	2,120	2,120	2,120	2,120
Manufacturing	140	150	150	280	290	290	300	310	320	330	340	340	350	360
Transp., Trade, & Utilities	510	560	570	430	470	500	530	570	610	640	680	710	740	770
Information & Financial Activities	540	560	560	460	520	570	620	680	730	780	840	880	930	980
Professional & Business Services	320	340	360	240	270	300	330	370	400	430	460	500	530	550
Educational & Health Services	320	340	360	240	270	300	330	370	400	430	460	500	530	550
Leisure, Hospitality, & Other Svcs.	610	650	710	440	480	520	570	610	640	670	710	740	780	810
Government	610	650	710	440	480	520	570	610	640	670	710	740	780	810
Total Nonagricultural	3,290	3,440	3,610	4,280	4,500	4,720	4,950	5,190	5,410	5,640	5,850	6,050	6,240	6,440
Population & Households:														
Population:	11,450	11,650	12,140	9,740	10,420	11,150	11,950	12,780	13,650	14,550	15,410	16,240	17,060	17,860
Households:	3,980	4,160	4,370	3,340	3,550	3,780	4,020	4,270	4,530	4,790	5,040	5,310	5,570	5,820
Persons per Household:	2.85	2.87	2.87	2.90	2.91	2.93	2.95	2.97	3.00	3.02	3.04	3.04	3.04	3.05
Personal Income:	(Millions)													
Current Year $:	$418	$457	$499	$549	$601	$661	$727	$800	$877	$962	$1,046	$1,133	$1,223	$1,321
2009 $:	371	398	426	461	494	532	573	617	664	713	761	808	855	906
Per Capita Personal Income:														
Current Year $:	$36,520	$39,240	$41,110	$56,420	$57,690	$59,250	$60,890	$62,580	$64,290	$66,080	$67,900	$69,730	$71,700	$73,970
2009 $:	32,420	34,120	35,050	47,300	47,460	47,730	48,000	48,300	48,630	49,010	49,390	49,750	50,150	50,720

Teton County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,120	2,110	2,110	2,110	2,110	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Manufacturing	360	360	370	370	380	380	380	390	390	390	400	400	400	410
Transp., Trade, & Utilities	710	730	750	780	800	830	850	870	890	920	940	970	990	1,010
Information & Financial Activities	280	290	290	300	310	320	330	330	340	350	360	370	370	380
Professional & Business Services	830	860	890	920	960	990	1,020	1,040	1,070	1,100	1,130	1,160	1,200	1,230
Educational & Health Services	580	610	640	660	690	710	740	770	810	850	890	930	980	1,020
Leisure, Hospitality, & Other Svcs.	1,100	1,130	1,170	1,200	1,240	1,270	1,310	1,350	1,400	1,450	1,490	1,530	1,570	1,610
Government	630	670	700	730	770	800	840	880	920	970	1,010	1,050	1,100	1,150
Total Nonagricultural	6,600	6,760	6,920	7,080	7,240	7,410	7,570	7,740	7,930	8,130	8,310	8,500	8,700	8,900
Population & Households:														
Population:	18,550	19,230	19,910	20,620	21,340	22,070	22,820	23,590	24,370	25,170	25,990	26,830	27,680	28,560
Households:	6,040	6,250	6,460	6,690	6,920	7,160	7,410	7,660	7,920	8,180	8,450	8,730	9,000	9,270
Persons per Household:	3.05	3.06	3.06	3.07	3.07	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06
Personal Income:	(Millions)													
Current Year $:	$1,413	$1,509	$1,613	$1,725	$1,847	$1,976	$2,111	$2,256	$2,412	$2,582	$2,755	$2,945	$3,156	$3,382
2009 $:	949	993	1,040	1,089	1,142	1,196	1,251	1,309	1,370	1,436	1,499	1,568	1,644	1,723
Per Capita Personal Income:														
Current Year $:	$76,170	$78,470	$81,010	$83,650	$86,550	$89,500	$92,480	$95,630	$98,970	$102,580	$105,990	$109,770	$114,000	$118,410
2009 $:	51,170	51,640	52,220	52,800	53,510	54,190	54,830	55,510	56,220	57,030	57,680	58,450	59,380	60,340

Idaho Economics
Winter 2020 County Economic Forecasts

Twin Falls County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	53,970	64,360	77,550	66,260	79,560	93,000	105,770	118,790	131,020
Population per Square Mile	28.0	33.4	40.3	34.4	41.3	48.3	54.9	61.7	68.1
Total Households:	19,610	24,070	28,770	23,670	27,230	30,650	33,640	36,740	39,510
Persons per Household	2.69	2.61	2.63	2.71	2.83	2.95	3.05	3.14	3.23
Employment:									
Total Nonagricultural	23,340	30,340	32,550	86,130	96,890	106,610	116,250	126,590	136,750
Manufacturing:	2,910	3,390	3,050	4,620	5,320	5,800	6,100	6,300	6,490
Services	6,810	10,530	12,520	27,700	31,070	34,030	37,100	40,380	43,860

Twin Falls County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,510	1,440	1,510	1,760	1,990	2,090	1,960	1,480	19,000	19,730	19,700	20,890	21,350	21,340	21,610
Manufacturing	2,910	2,990	3,390	3,320	3,380	3,400	3,360	3,040	3,050	3,060	3,270	3,800	4,070	4,080	4,340
Transp., Trade, & Utilities	6,470	6,620	7,520	7,070	7,420	7,690	7,570	7,170	7,420	7,300	7,430	7,430	7,530	7,760	7,900
Information & Financial Activities	1,540	2,330	1,700	2,070	2,040	2,180	2,150	2,120	1,910	1,770	1,680	1,720	1,690	1,670	1,700
Professional & Business Services	1,070	2,000	3,920	5,060	4,470	4,860	4,700	4,030	3,610	4,190	4,080	5,140	5,290	5,150	4,820
Educational & Health Services	2,660	2,910	3,040	3,290	4,290	5,310	5,320	5,500	5,150	5,350	5,350	5,380	5,490	5,590	5,740
Leisure, Hospitality, & Other Svcs.	3,080	3,720	3,580	3,750	3,870	3,900	4,400	4,040	3,770	3,890	4,010	4,110	4,350	4,340	4,630
Government	4,090	4,540	5,680	5,820	5,260	4,460	4,450	4,530	4,580	4,540	4,580	4,540	4,540	4,590	4,710
Total Nonagricultural	23,340	26,550	30,340	32,140	32,710	33,880	33,910	31,910	32,550	33,140	33,650	35,230	36,030	36,440	37,430
Population & Households:															
Population:	53,970	59,760	64,360	69,830	71,970	73,740	75,140	76,270	77,550	78,100	78,550	79,890	80,990	82,250	83,820
Households:	19,610	21,840	24,070	26,810	27,700	28,340	28,550	28,490	28,770	28,800	28,870	29,410	29,840	30,430	31,070
Persons per Household:	2.60	2.58	2.56	2.55	2.54	2.55	2.57	2.62	2.63	2.65	2.66	2.66	2.65	2.65	2.65
Personal Income:	(Millions)														
Current Year $:	$828	$1,140	$1,455	$1,896	$2,021	$2,193	$2,298	$2,222	$2,297	$2,431	$2,562	$2,685	$2,815	$2,927	$3,001
2009 $:	1,228	1,493	1,775	2,144	2,219	2,343	2,346	2,278	2,309	2,412	2,512	2,589	2,693	2,847	2,968
Per Capita Personal Income:															
Current Year $:	$15,340	$19,080	$22,930	$28,260	$29,160	$30,800	$31,210	$29,830	$30,290	$32,210	$33,960	$34,780	$36,170	$37,540	$38,920
2009 $:	22,750	24,980	27,580	30,630	30,780	31,720	31,190	29,830	29,790	30,930	32,020	32,400	33,250	34,460	35,220

Twin Falls County

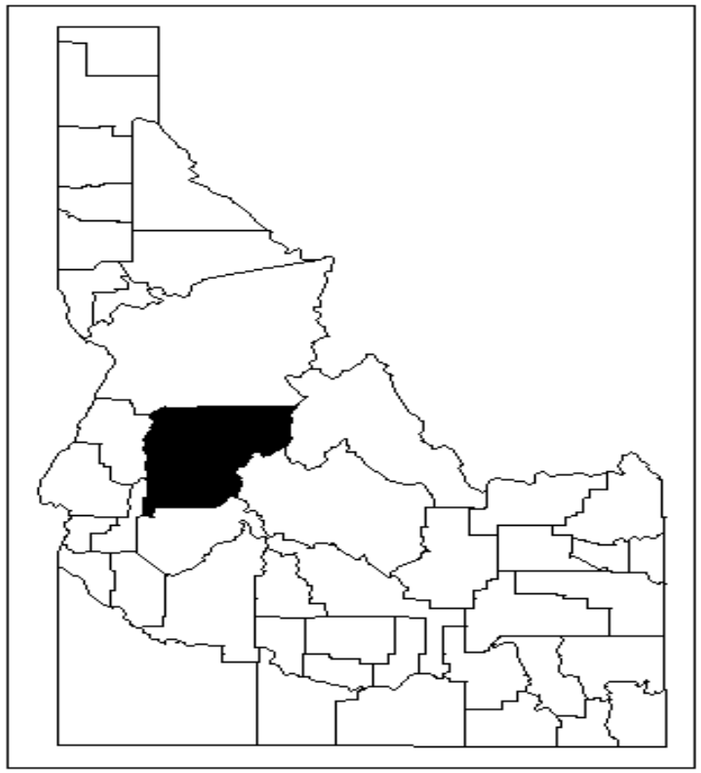
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	22,180	22,610	23,120	36,310	37,170	38,140	39,120	40,060	40,900	41,650	42,470	43,330	44,200	45,120
Manufacturing	4,530	4,650	4,600	4,620	4,760	4,910	5,040	5,180	5,320	5,430	5,540	5,620	5,700	5,800
Transp., Trade, & Utilities	8,300	8,540	8,630	9,770	9,990	10,200	10,410	10,590	10,750	10,930	11,090	11,240	11,440	11,620
Information & Financial Activities	6,300	6,270	6,240	13,690	14,000	14,330	14,650	14,980	15,280	15,550	15,880	16,150	16,440	16,730
Professional & Business Services	5,890	5,900	5,920	10,030	10,280	10,560	10,840	11,110	11,380	11,610	11,810	12,060	12,320	12,550
Educational & Health Services	5,890	5,900	5,920	10,030	10,280	10,560	10,840	11,110	11,380	11,610	11,810	12,060	12,320	12,550
Leisure, Hospitality, & Other Svcs.	3,730	3,940	4,370	4,430	4,550	4,680	4,800	4,890	4,910	4,930	4,980	5,070	5,150	5,240
Government	3,730	3,940	4,370	4,430	4,550	4,680	4,800	4,890	4,910	4,930	4,980	5,070	5,150	5,240
Total Nonagricultural	38,400	39,270	39,960	86,130	88,190	90,470	92,750	94,930	96,890	98,690	100,560	102,510	104,500	106,610
Population & Households:														
Population:	85,370	86,030	86,880	66,260	68,900	71,530	74,180	76,860	79,560	82,260	84,960	87,660	90,340	93,000
Households:	31,760	32,790	33,860	23,670	24,420	25,140	25,850	26,550	27,230	27,910	28,590	29,300	29,990	30,650
Persons per Household:	2.64	2.66	2.67	2.71	2.73	2.76	2.78	2.81	2.83	2.86	2.88	2.90	2.92	2.95
Personal Income:	(Millions)													
Current Year $:	$3,496	$3,761	$4,031	$4,363	$4,670	$5,003	$5,354	$5,723	$6,106	$6,509	$6,923	$7,352	$7,806	$8,298
2009 $:	3,103	3,270	3,436	3,658	3,842	4,030	4,220	4,417	4,618	4,828	5,036	5,245	5,460	5,690
Per Capita Personal Income:														
Current Year $:	$40,950	$43,710	$46,400	$65,850	$67,780	$69,940	$72,170	$74,460	$76,750	$79,130	$81,490	$83,880	$86,410	$89,230
2009 $:	36,350	38,010	39,550	55,210	55,760	56,340	56,890	57,470	58,050	58,690	59,280	59,840	60,450	61,180

Twin Falls County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	45,890	46,760	47,610	48,420	49,310	50,130	50,960	51,830	52,840	53,930	54,840	55,870	56,910	57,950
Manufacturing	5,890	5,940	5,990	6,050	6,100	6,160	6,200	6,240	6,260	6,300	6,350	6,400	6,450	6,500
Transp., Trade, & Utilities	10,770	10,960	11,170	11,350	11,540	11,720	11,880	12,050	12,230	12,430	12,590	12,740	12,860	12,990
Information & Financial Activities	4,260	4,300	4,330	4,360	4,390	4,410	4,430	4,450	4,480	4,510	4,530	4,560	4,580	4,600
Professional & Business Services	13,780	13,990	14,220	14,470	14,790	15,060	15,250	15,400	15,610	15,830	16,010	16,220	16,420	16,610
Educational & Health Services	12,800	13,090	13,360	13,610	13,820	14,020	14,280	14,590	14,970	15,340	15,750	16,160	16,610	17,060
Leisure, Hospitality, & Other Svcs.	8,030	8,150	8,270	8,380	8,480	8,610	8,740	8,880	9,040	9,210	9,330	9,460	9,570	9,680
Government	7,020	7,230	7,430	7,610	7,820	8,040	8,260	8,500	8,730	9,040	9,220	9,470	9,730	9,990
Total Nonagricultural	108,420	110,420	112,370	114,250	116,250	118,130	120,000	121,940	124,170	126,590	128,620	130,870	133,130	135,380
Population & Households:														
Population:	95,590	98,140	100,680	103,220	105,770	108,340	110,920	113,520	116,140	118,790	121,460	124,150	126,860	129,600
Households:	31,240	31,830	32,420	33,020	33,640	34,250	34,880	35,510	36,130	36,740	37,350	37,960	38,520	39,070
Persons per Household:	2.97	2.99	3.02	3.04	3.05	3.07	3.09	3.11	3.12	3.14	3.16	3.18	3.20	3.23
Personal Income:	(Millions)													
Current Year $:	$8,801	$9,330	$9,891	$10,484	$11,123	$11,796	$12,495	$13,248	$14,051	$14,919	$15,836	$16,819	$17,887	$19,023
2009 $:	5,912	6,140	6,375	6,618	6,876	7,142	7,408	7,690	7,982	8,295	8,617	8,955	9,318	9,693
Per Capita Personal Income:														
Current Year $:	$92,070	$95,060	$98,240	$101,570	$105,160	$108,880	$112,650	$116,700	$120,980	$125,590	$130,380	$135,480	$141,000	$146,780
2009 $:	61,850	62,560	63,320	64,110	65,010	65,920	66,790	67,740	68,730	69,830	70,950	72,130	73,450	74,790

Idaho Economics
Winter 2020 County Economic Forecasts

Valley County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	6,160	7,660	9,790	14,260	16,090	18,180	19,720	21,260	22,740
Population per Square Mile	1.7	2.1	2.7	3.9	4.4	4.9	5.4	5.8	6.2
Total Households:	2,430	3,240	4,390	6,720	7,710	8,760	9,440	10,200	10,890
Persons per Household	2.51	2.34	2.20	2.11	2.07	2.06	2.07	2.07	2.07
Employment:									
Total Nonagricultural	2,840	3,630	3,610	7,390	8,230	9,020	9,590	10,180	10,750
Manufacturing:	100	140	40	30	40	40	40	40	40
Services	890	1,170	1,250	2,980	3,350	3,650	3,900	4,150	4,420

Valley County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	290	240	250	360	470	450	310	190	330	350	420	350	390	420	460
Manufacturing	100	130	140	60	50	70	60	50	40	40	40	30	30	40	40
Transp., Trade, & Utilities	430	500	690	720	760	780	710	620	620	650	650	670	690	710	730
Information & Financial Activities	150	260	180	310	380	360	310	280	270	250	400	320	350	380	390
Professional & Business Services	50	130	210	280	230	260	210	130	120	110	80	100	100	120	140
Educational & Health Services	230	230	140	170	230	220	230	200	200	330	320	330	330	420	410
Leisure, Hospitality, & Other Svcs.	600	840	820	1,270	1,330	1,370	1,240	990	930	1,020	1,050	1,050	1,130	1,230	1,310
Government	990	1,150	1,190	1,120	1,140	1,170	1,170	1,180	1,140	990	980	960	970	980	960
Total Nonagricultural	2,840	3,470	3,630	4,300	4,600	4,760	4,340	3,650	3,610	3,680	3,870	3,790	3,920	4,140	4,310
Population & Households:															
Population:	6,160	7,710	7,660	8,780	9,480	9,930	10,060	9,980	9,790	9,640	9,540	9,580	9,790	10,040	10,420
Households:	2,430	3,150	3,240	3,900	4,240	4,460	4,490	4,390	4,390	4,320	4,290	4,350	4,490	4,580	4,690
Persons per Household:	2.32	2.29	2.27	2.24	2.22	2.21	2.22	2.26	2.20	2.20	2.20	2.19	2.17	2.16	2.14
Personal Income:	(Millions)														
Current Year $:	$111	$175	$224	$312	$356	$367	$358	$339	$341	$348	$398	$394	$432	$462	$484
2009 $:	164	229	272	334	364	379	363	336	337	342	372	373	389	410	425
Per Capita Personal Income:															
Current Year $:	$17,940	$22,710	$29,540	$35,010	$36,350	$37,040	$36,050	$33,620	$35,070	$37,120	$41,500	$41,770	$43,060	$44,790	$46,290
2009 $:	26,600	29,740	35,530	37,940	38,370	38,150	36,030	33,620	34,500	35,640	39,120	38,920	39,590	41,110	41,880

Valley County

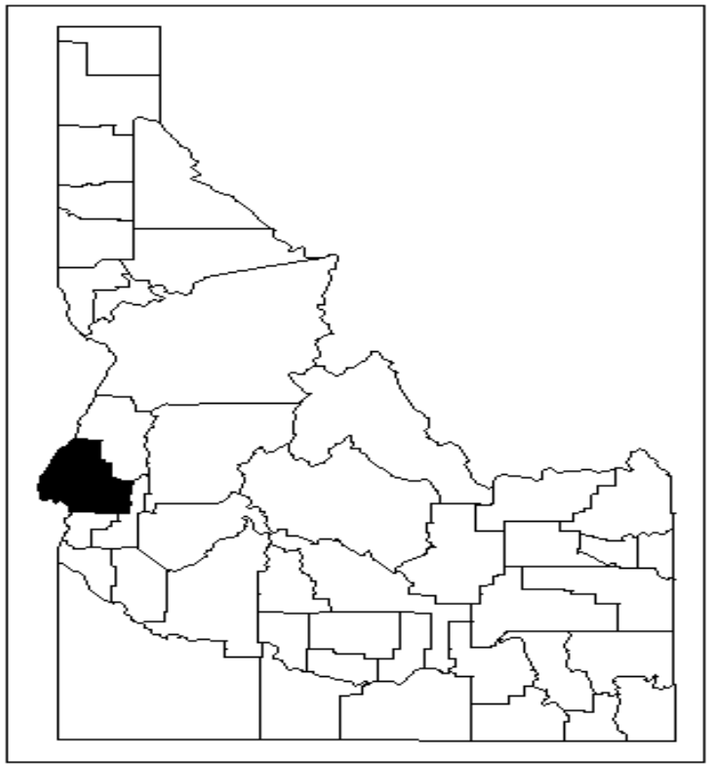
Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	510	600	640	2,690	2,700	2,720	2,730	2,740	2,760	2,760	2,770	2,780	2,790	2,800
Manufacturing	50	40	40	30	30	30	40	40	40	40	40	40	40	40
Transp., Trade, & Utilities	780	810	860	1,030	1,050	1,080	1,110	1,130	1,150	1,180	1,200	1,230	1,250	1,270
Information & Financial Activities	530	530	550	870	890	910	930	950	960	980	1,000	1,020	1,040	1,050
Professional & Business Services	440	460	460	470	490	510	530	550	580	600	620	640	660	680
Educational & Health Services	440	460	460	470	490	510	530	550	580	600	620	640	660	680
Leisure, Hospitality, & Other Svcs.	1,260	1,380	1,440	1,920	1,970	2,010	2,060	2,090	2,110	2,120	2,150	2,180	2,210	2,240
Government	1,260	1,380	1,440	1,920	1,970	2,010	2,060	2,090	2,110	2,120	2,150	2,180	2,210	2,240
Total Nonagricultural	4,520	4,750	4,940	7,390	7,560	7,730	7,910	8,080	8,230	8,370	8,530	8,700	8,860	9,020
Population & Households:														
Population:	10,670	11,020	11,390	14,260	14,600	14,950	15,330	15,710	16,090	16,480	16,910	17,360	17,780	18,180
Households:	4,820	4,990	5,170	6,720	6,910	7,100	7,300	7,500	7,710	7,920	8,160	8,380	8,570	8,760
Persons per Household:	2.13	2.12	2.11	2.11	2.10	2.09	2.08	2.08	2.07	2.06	2.06	2.06	2.06	2.06
Personal Income:	(Millions)													
Current Year $:	$497	$530	$564	$604	$645	$692	$743	$796	$851	$909	$974	$1,042	$1,112	$1,183
2009 $:	441	461	481	506	531	558	586	614	643	674	708	743	778	811
Per Capita Personal Income:														
Current Year $:	$46,620	$48,080	$49,540	$42,350	$44,190	$46,280	$48,470	$50,660	$52,870	$55,150	$57,570	$60,030	$62,540	$65,070
2009 $:	41,380	41,800	42,230	35,500	36,360	37,280	38,210	39,100	39,990	40,910	41,880	42,820	43,750	44,620

Valley County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	2,800	2,810	2,810	2,820	2,830	2,830	2,840	2,850	2,850	2,860	2,860	2,870	2,880	2,890
Manufacturing	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Transp., Trade, & Utilities	1,190	1,210	1,220	1,240	1,260	1,270	1,280	1,290	1,310	1,320	1,330	1,350	1,350	1,360
Information & Financial Activities	570	580	580	590	600	600	600	600	610	610	620	620	620	630
Professional & Business Services	600	600	610	610	620	630	630	640	640	650	650	660	660	660
Educational & Health Services	700	720	730	750	770	780	790	810	830	850	880	900	930	960
Leisure, Hospitality, & Other Svcs.	2,410	2,440	2,460	2,490	2,510	2,540	2,570	2,590	2,630	2,660	2,690	2,720	2,740	2,760
Government	820	860	890	930	970	1,010	1,050	1,090	1,130	1,200	1,210	1,260	1,310	1,360
Total Nonagricultural	9,130	9,250	9,360	9,470	9,590	9,700	9,810	9,920	10,040	10,180	10,290	10,420	10,540	10,660
Population & Households:														
Population:	18,510	18,810	19,120	19,420	19,720	20,030	20,330	20,640	20,950	21,260	21,570	21,880	22,200	22,520
Households:	8,890	9,020	9,160	9,300	9,440	9,590	9,740	9,900	10,050	10,200	10,350	10,500	10,640	10,780
Persons per Household:	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
Personal Income:	(Millions)													
Current Year $:	$1,255	$1,324	$1,399	$1,478	$1,564	$1,653	$1,744	$1,842	$1,946	$2,052	$2,171	$2,296	$2,433	$2,578
2009 $:	843	872	902	933	967	1,001	1,034	1,069	1,105	1,141	1,181	1,223	1,267	1,314
Per Capita Personal Income:														
Current Year $:	$67,810	$70,400	$73,210	$76,120	$79,300	$82,520	$85,770	$89,220	$92,870	$96,520	$100,660	$104,920	$109,600	$114,510
2009 $:	45,550	46,330	47,190	48,050	49,020	49,960	50,850	51,790	52,760	53,670	54,770	55,860	57,090	58,340

Idaho Economics
Winter 2020 County Economic Forecasts

Washington County



Summary Information	Historical			Forecast					
	1990	2000	2010	2020	2025	2030	2035	2040	2045
Population & Households:									
Total Population:	8,610	9,970	10,180	10,180	12,200	12,310	12,510	12,640	12,700
Population per Square Mile	5.9	6.8	7.0	7.0	8.4	8.5	8.6	8.7	8.7
Total Households:	3,320	3,800	4,040	4,150	5,100	5,280	5,510	5,760	5,920
Persons per Household	2.56	2.58	2.49	2.42	2.36	2.30	2.24	2.17	2.12
Employment:									
Total Nonagricultural	2,530	3,030	2,760	2,360	2,930	2,880	2,880	2,870	2,850
Manufacturing:	320	580	450	440	530	500	460	420	390
Services	480	620	600	680	830	820	830	830	840

Washington County

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	330	300	310	190	210	230	220	160	330	320	350	410	360	350	320
Manufacturing	320	530	580	630	610	490	520	460	450	490	510	560	520	530	580
Transp., Trade, & Utilities	540	470	500	470	470	540	540	520	500	470	490	450	430	410	420
Information & Financial Activities	210	240	170	190	200	210	200	190	160	170	170	170	140	150	160
Professional & Business Services	60	100	120	100	130	130	120	100	100	100	100	100	80	90	90
Educational & Health Services	260	310	220	240	260	300	300	310	300	290	280	270	250	270	230
Leisure, Hospitality, & Other Svcs.	170	240	280	250	280	320	270	240	210	220	230	220	230	220	230
Government	650	740	850	760	750	740	740	750	760	770	750	760	780	780	780
Total Nonagricultural	2,530	2,930	3,030	2,840	2,900	3,010	2,990	2,830	2,760	2,780	2,840	2,900	2,750	2,760	2,760
Population & Households:															
Population:	8,610	9,470	9,970	10,000	10,030	10,030	10,100	10,170	10,180	10,140	10,030	9,920	9,960	9,890	10,030
Households:	3,320	3,550	3,800	3,990	4,030	4,040	4,040	4,020	4,040	4,000	3,960	3,940	3,970	3,970	3,980
Persons per Household:	2.56	2.53	2.50	2.46	2.45	2.44	2.46	2.49	2.49	2.49	2.50	2.49	2.48	2.47	2.52
Personal Income:	(Millions)														
Current Year $:	$104	$152	$189	$246	$262	$279	$298	$295	$308	$321	$322	$337	$336	$356	$360
2009 $:	154	199	230	262	269	281	274	271	275	278	282	293	295	303	308
Per Capita Personal Income:															
Current Year $:	$12,090	$16,050	$19,160	$24,130	$25,380	$27,140	$27,170	$26,580	$27,450	$28,580	$29,810	$31,560	$31,960	$32,990	$34,000
2009 $:	17,930	21,020	23,040	26,150	26,790	27,960	27,150	26,580	27,000	27,440	28,110	29,400	29,390	30,280	30,770

Washington County

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	310	300	300	190	240	250	260	270	250	250	250	250	250	250
Manufacturing	560	580	600	440	530	540	560	570	530	520	520	510	500	500
Transp., Trade, & Utilities	550	480	460	380	470	460	470	480	440	430	430	420	420	420
Information & Financial Activities	130	200	140	90	120	120	130	130	120	120	120	120	120	120
Professional & Business Services	240	210	220	410	500	510	520	530	510	510	510	510	510	510
Educational & Health Services	240	210	220	410	500	510	520	530	510	510	510	510	510	510
Leisure, Hospitality, & Other Svcs.	180	190	210	150	190	190	190	200	180	170	170	170	170	170
Government	180	190	210	150	190	190	190	200	180	170	170	170	170	170
Total Nonagricultural	2,760	2,770	2,730	2,360	2,860	2,990	3,080	3,170	2,930	2,910	2,900	2,890	2,880	2,880
Population & Households:														
Population:	10,050	10,120	10,190	10,180	12,080	12,410	12,750	13,100	12,200	12,200	12,220	12,240	12,270	12,310
Households:	3,990	4,020	4,050	4,150	4,950	5,110	5,280	5,450	5,100	5,130	5,160	5,200	5,240	5,280
Persons per Household:	2.46	2.45	2.44	2.42	2.41	2.39	2.38	2.37	2.36	2.35	2.34	2.32	2.31	2.30
Personal Income:	(Millions)													
Current Year $:	$353	$367	$380	$326	$405	$431	$459	$488	$466	$480	$496	$512	$529	$548
2009 $:	313	319	323	273	333	347	362	377	352	356	361	365	370	376
Per Capita Personal Income:														
Current Year $:	$35,120	$36,250	$37,230	$32,000	$33,510	$34,730	$36,010	$37,270	$38,180	$39,370	$40,570	$41,800	$43,110	$44,550
2009 $:	31,170	31,520	31,730	26,820	27,570	27,980	28,390	28,770	28,880	29,200	29,510	29,820	30,150	30,540

Washington County

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	250	250	250	250	250	260	260	260	260	260	260	270	270	270
Manufacturing	490	480	480	470	460	460	450	440	430	420	420	410	400	390
Transp., Trade, & Utilities	390	390	390	390	390	390	380	380	380	380	380	370	370	370
Information & Financial Activities	90	90	90	90	90	90	90	90	90	90	80	80	80	80
Professional & Business Services	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Educational & Health Services	510	520	520	520	520	520	520	530	530	530	540	540	550	550
Leisure, Hospitality, & Other Svcs.	250	250	250	250	240	240	240	240	240	240	240	240	230	230
Government	840	850	850	860	860	870	870	880	880	890	890	900	900	910
Total Nonagricultural	2,880	2,880	2,880	2,880	2,880	2,880	2,870	2,870	2,870	2,870	2,860	2,860	2,860	2,860
Population & Households:														
Population:	12,350	12,400	12,440	12,480	12,510	12,540	12,570	12,600	12,620	12,640	12,660	12,680	12,690	12,710
Households:	5,320	5,370	5,410	5,460	5,510	5,560	5,610	5,660	5,710	5,760	5,800	5,850	5,890	5,920
Persons per Household:	2.29	2.28	2.27	2.25	2.24	2.23	2.21	2.19	2.18	2.17	2.15	2.14	2.13	2.12
Personal Income:	(Millions)													
Current Year $:	$568	$588	$610	$632	$657	$681	$706	$732	$760	$789	$816	$845	$877	$910
2009 $:	382	387	393	399	406	413	419	425	431	438	444	450	457	464
Per Capita Personal Income:														
Current Year $:	$45,980	$47,410	$49,020	$50,670	$52,500	$54,330	$56,190	$58,120	$60,190	$62,380	$64,430	$66,630	$69,060	$71,590
2009 $:	30,890	31,200	31,600	31,980	32,460	32,890	33,310	33,740	34,190	34,690	35,060	35,480	35,970	36,480

Counties Served by Intermountain Gas Company's Idaho Falls Lateral

(Bannock, Bingham, Bonneville, Butte, Fremont, Jefferson, Madison, & Power Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	238,590	269,310	321,290	338,780	379,930	423,340	468,330	517,660	528,960	82,700	69,470	178,880	1.5%	1.2%	2.1%
Population per Square Mile	19.6	22.2	26.4	27.9	31.3	34.8	38.5	42.6	43.5						
Total Households:	76,910	90,720	110,050	119,020	132,140	145,390	158,210	172,830	179,260	33,140	28,300	53,810	1.8%	1.4%	1.9%
Persons per Household	3.05	2.92	2.87	2.79	2.82	2.85	2.90	2.93	2.89						
Employment:															
Total Nonagricultural	84,610	113,290	120,550	144,060	162,300	177,940	194,470	211,650	229,330	35,940	30,770	67,590	1.8%	1.2%	1.9%
Manufacturing:	8,350	10,880	8,970	12,580	13,490	13,990	14,220	14,250	14,300	620	1,700	1,670	0.4%	0.7%	0.6%
Services	28,650	39,990	47,880	57,410	67,330	76,200	85,640	95,440	106,410	19,230	17,420	38,030	2.6%	1.8%	2.6%

Idaho Falls Lateral

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	5,150	6,000	7,300	8,340	8,980	9,650	8,750	6,950	9,910	9,550	9,430	9,570	10,100	10,580	10,990
Manufacturing	8,350	9,540	7,300	9,590	10,380	10,650	10,400	9,520	8,970	9,150	9,580	9,640	9,720	9,950	10,630
Transp., Trade, & Utilities	19,580	23,950	26,160	26,280	27,010	27,700	27,800	26,200	25,340	25,640	26,070	26,330	26,720	27,140	26,720
Information & Financial Activities	5,420	4,180	6,090	7,190	7,520	7,680	7,600	7,000	6,260	6,060	6,130	6,270	6,380	6,530	6,500
Professional & Business Services	12,360	13,350	16,690	19,420	20,370	20,690	19,060	18,110	17,740	17,490	17,130	17,180	17,350	17,620	19,630
Educational & Health Services	7,120	8,680	10,450	13,370	13,670	14,520	15,530	17,170	17,000	17,240	17,480	17,990	18,700	19,410	19,940
Leisure, Hospitality, & Other Svcs.	11,590	11,900	12,850	13,780	14,140	14,910	15,220	14,500	13,150	13,130	13,270	13,610	13,760	14,300	14,960
Government	17,460	20,780	22,880	24,530	24,520	24,550	24,470	23,770	23,760	23,620	23,420	23,550	23,860	24,500	24,390
Total Nonagricultural	84,610	99,710	113,290	122,490	126,590	129,650	127,770	121,470	120,550	119,930	120,710	122,320	124,630	127,920	132,190
Population & Households:															
Population:	238,590	260,510	269,310	290,640	297,190	303,670	310,620	316,620	321,290	323,290	323,890	323,910	325,020	327,270	332,080
Households:	76,910	85,300	90,720	101,980	104,710	106,910	108,320	108,430	110,050	111,620	111,670	112,580	113,230	114,090	115,390
Persons per Household:	2.88	2.84	2.82	2.80	2.79	2.79	2.81	2.87	2.87	2.84	2.85	2.82	2.82	2.82	2.82
Personal Income:	(Millions)				(Millions of $)										
Current Year $:	$3,509	$4,550	$5,796	$7,523	$8,247	$8,882	$9,382	$9,242	$9,394	$9,924	$10,232	$10,435	$10,693	$11,437	$11,886
2009 $:	5,203	5,959	6,596	8,103	8,728	9,211	9,379	9,262	9,290	9,675	9,967	10,145	10,557	11,169	11,577
Per Capita Personal Income:					(Thousands of $)										
Current Year $:	$14.71	$17.47	$21.52	$25.88	$27.75	$29.25	$30.21	$29.19	$29.24	$30.70	$31.59	$32.22	$32.90	$34.95	$35.79
2009 $:	$21.81	$22.88	$24.49	$27.88	$29.37	$30.33	$30.19	$29.25	$28.91	$29.93	$30.77	$31.32	$32.48	$34.13	$34.86

Idaho Falls Lateral

Employment:	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Const., Nat. Resources, & Mining	9,570	10,100	10,580	10,990	11,460	11,510	12,020	23,980	24,390	24,720	25,020	25,310	25,520	25,670
Manufacturing	9,640	9,720	9,950	10,630	10,910	11,340	11,580	12,580	12,760	12,960	13,130	13,320	13,490	13,630
Transp., Trade, & Utilities	26,330	26,720	27,140	26,720	26,880	27,130	26,980	17,390	17,870	18,310	18,740	19,060	19,340	19,690
Information & Financial Activities	6,270	6,380	6,530	6,500	6,460	6,470	6,180	9,880	9,990	10,140	10,290	10,440	10,560	10,640
Professional & Business Services	17,180	17,350	17,620	19,630	20,030	20,800	21,710	17,030	17,850	18,700	19,560	20,440	21,230	21,990
Educational & Health Services	17,990	18,700	19,410	19,940	20,660	21,330	22,220	20,630	21,410	22,220	23,140	24,010	24,870	25,660
Leisure, Hospitality, & Other Svcs.	13,610	13,760	14,300	14,960	15,530	16,040	16,980	19,750	20,100	20,480	20,820	21,090	21,230	21,330
Government	23,550	23,860	24,500	24,390	25,250	25,360	25,680	22,830	23,440	24,090	24,780	25,450	26,070	26,630
Total Nonagricultural	122,320	124,630	127,920	132,190	134,700	137,810	141,250	144,060	147,800	151,620	155,490	159,120	162,300	165,240
Population & Households:														
Population:	323,910	325,020	327,270	332,080	336,980	341,360	346,840	338,780	346,520	354,540	362,870	371,350	379,930	388,580
Households:	112,580	113,230	114,090	115,390	117,800	120,420	123,220	119,020	121,680	124,240	126,880	129,530	132,140	134,830
Persons per Household:	2.82	2.82	2.82	2.82	2.82	2.81	2.79	2.79	2.79	2.80	2.80	2.81	2.82	2.82
Personal Income:		(Millions of $)												
Current Year $:	$10,435	$10,693	$11,437	$11,886	$13,007	$13,788	$14,590	$15,566	$16,495	$17,517	$18,600	$19,737	$20,902	$22,150
2009 $:	$10,145	$10,557	$11,169	$11,577	$11,545	$11,989	$12,437	$13,050	$13,570	$14,112	$14,661	$15,233	$15,811	$16,428
Per Capita Personal Income:		(Thousands of $)												
Current Year $:	$32.22	$32.90	$34.95	$35.79	$38.60	$40.39	$42.07	$45.95	$47.60	$49.41	$51.26	$53.15	$55.02	$57.00
2009 $:	$31.32	$32.48	$34.13	$34.86	$34.26	$35.12	$35.86	$38.52	$39.16	$39.80	$40.40	$41.02	$41.62	$42.28

Idaho Falls Lateral

Employment:	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Const., Nat. Resources, & Mining	25,870	26,060	26,200	26,400	26,590	26,790	26,990	27,240	27,530	27,820	28,090	28,360	28,640	28,950
Manufacturing	13,760	13,820	13,880	13,990	14,080	14,110	14,150	14,190	14,220	14,250	14,260	14,260	14,240	14,250
Transp., Trade, & Utilities	19,980	20,260	20,660	20,990	21,480	21,960	22,470	22,920	23,390	23,790	24,150	24,510	24,940	25,380
Information & Financial Activities	10,750	10,850	10,980	11,070	11,170	11,250	11,320	11,390	11,450	11,480	11,520	11,570	11,620	11,680
Professional & Business Services	22,940	23,670	24,430	25,180	25,820	26,440	27,130	27,890	28,900	29,700	30,290	30,750	31,400	32,060
Educational & Health Services	26,370	27,200	28,020	28,760	29,600	30,550	31,460	32,320	33,100	33,780	34,620	35,610	36,820	37,990
Leisure, Hospitality, & Other Svcs.	21,490	21,760	22,000	22,260	22,530	22,830	23,120	23,380	23,650	23,940	24,270	24,600	25,000	25,390
Government	27,210	27,810	28,440	29,300	29,760	30,400	31,020	31,600	32,250	32,920	33,590	34,300	35,010	35,940
Total Nonagricultural	168,360	171,420	174,610	177,940	181,020	184,330	187,660	190,930	194,470	197,690	200,790	203,960	207,670	211,650
Population & Households:														
Population:	397,290	405,960	414,630	423,340	432,110	440,970	449,940	459,050	468,330	477,790	487,450	497,310	507,390	517,660
Households:	137,550	140,220	142,850	145,390	147,810	150,250	152,800	155,470	158,210	161,030	163,930	166,890	169,880	172,830
Persons per Household:	2.83	2.84	2.84	2.85	2.86	2.87	2.88	2.89	2.90	2.90	2.91	2.92	2.92	2.93
Personal Income:		(Millions of $)												
Current Year $:	$23,425	$24,711	$26,080	$27,580	$29,119	$30,748	$32,502	$34,365	$36,375	$38,435	$40,540	$42,797	$45,217	$47,830
2009 $:	17,040	17,629	18,243	18,911	19,561	20,235	20,950	21,691	22,487	23,270	24,035	24,841	25,687	26,595
Per Capita Personal Income:		(Thousands of $)												
Current Year $:	$58.96	$60.87	$62.90	$65.15	$67.39	$69.73	$72.23	$74.86	$77.67	$80.44	$83.17	$86.06	$89.12	$92.40
2009 $:	$42.89	$43.43	$44.00	$44.67	$45.27	$45.89	$46.56	$47.25	$48.01	$48.70	$49.31	$49.95	$50.63	$51.38

Idaho Economics
Winter 2020 County Economic Forecasts

Boise MSA

(Ada & Canyon Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	300,110	436,410	582,700	645,990	834,640	1,001,490	1,195,320	1,424,480	76,070	282,590	209,580	778,490	3.4%	2.0%	4.0%
Population per Square Mile	182.8	265.8	355.0	393.5	508.4	610.1	728.1	867.7	46.3						
Total Households:	108,760	159,790	212,330	235,170	294,040	337,550	382,860	434,470	487,990	103,570	75,380	199,300	3.4%	2.0%	3.1%
Persons per Household	2.69	2.67	2.68	2.67	2.76	2.89	3.04	3.19	3.39						
Employment:															
Total Nonagricultural	134,600	222,010	243,190	328,170	399,500	477,140	569,920	676,890	791,970	108,590	106,160	348,720	3.0%	2.0%	3.7%
Manufacturing:	23,620	34,980	21,740	28,750	33,570	37,570	40,970	43,840	46,500	(1,880)	(6,230)	15,090	-0.4%	-1.0%	2.1%
Services	41,290	75,950	102,200	141,390	177,200	218,300	268,250	326,630	394,190	60,910	65,440	185,240	4.6%	3.2%	4.3%

Boise MSA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	5,620	12,600	15,570	18,890	22,640	21,530	17,100	12,600	15,900	15,580	16,210	18,150	19,300	20,580	22,440
Manufacturing	23,620	30,100	34,980	29,910	31,350	30,780	27,990	22,660	21,740	22,410	23,260	23,640	23,860	24,570	25,270
Transp., Trade, & Utilities	29,870	36,900	45,860	47,880	51,200	53,430	52,830	48,490	47,670	48,310	49,650	51,640	53,220	55,380	56,720
Information & Financial Activities	11,070	13,570	16,300	18,040	19,320	19,310	19,150	17,800	16,470	16,550	16,690	17,250	17,540	18,170	19,110
Professional & Business Services	13,680	17,840	26,680	37,190	40,250	40,460	41,250	38,040	37,090	36,970	37,680	37,950	38,450	38,740	41,570
Educational & Health Services	11,790	16,700	23,440	30,420	30,960	32,340	34,370	35,640	36,710	38,070	38,540	39,680	40,720	42,420	43,550
Leisure, Hospitality, & Other Svcs.	15,810	20,400	25,830	28,330	30,130	32,020	31,940	31,060	28,400	29,210	30,400	31,930	33,400	34,790	37,240
Government	23,140	28,000	33,350	37,230	38,150	39,180	41,030	41,380	40,820	40,400	40,930	41,410	42,020	42,360	42,440
Total Nonagricultural	134,600	176,110	222,010	247,890	263,990	269,340	264,120	245,320	243,190	245,560	251,210	259,750	266,360	275,290	287,320
Population & Households:															
Population:	300,110	368,390	436,410	512,700	535,690	555,010	567,610	575,930	582,700	592,620	602,600	614,540	627,910	639,700	655,870
Households:	108,760	133,900	159,790	193,640	202,770	209,520	211,970	210,800	212,330	215,190	218,970	222,410	226,220	230,670	236,690
Persons per Household:	2.64	2.62	2.60	2.58	2.58	2.59	2.61	2.67	2.68	2.69	2.69	2.70	2.71	2.72	2.71
Personal Income:	(Millions)														
Current Year $:	$5,360	$8,773	$13,190	$16,779	$18,925	$19,834	$20,034	$19,399	$19,607	$20,642	$21,845	$22,953	$24,538	$26,036	$27,093
2005 $:	7,949	11,489	15,970	18,703	20,609	20,760	19,599	19,293	19,478	19,881	20,471	21,194	22,058	22,805	23,511
Per Capita Personal Income:															
Current Year $:	$17,860	$23,810	$30,220	$32,730	$35,330	$35,740	$35,290	$33,680	$33,650	$34,830	$36,250	$37,350	$39,080	$40,700	$41,310
2005 $:	26,490	31,190	36,590	36,480	38,470	37,400	34,530	33,500	33,430	33,550	33,970	34,490	35,130	35,650	35,850

Boise MSA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	24,360	26,700	28,590	30,300	32,050	33,670	35,280	36,890	38,310	39,550	40,970	42,390	43,690	45,180
Manufacturing	26,460	28,190	28,230	28,750	29,530	30,570	31,560	32,580	33,570	34,460	35,340	36,010	36,720	37,570
Transp., Trade, & Utilities	62,380	64,270	66,450	66,930	69,310	71,600	73,790	75,820	77,780	79,930	82,040	84,240	86,820	89,310
Information & Financial Activities	59,410	62,050	63,770	63,700	66,880	70,010	73,360	76,940	80,390	83,850	88,030	91,780	95,790	99,970
Professional & Business Services	43,670	46,350	49,430	52,620	55,080	57,810	60,670	63,580	66,670	69,650	72,650	75,930	79,320	82,790
Educational & Health Services	43,670	46,350	49,430	52,620	55,080	57,810	60,670	63,580	66,670	69,650	72,650	75,930	79,320	82,790
Leisure, Hospitality, & Other Svcs.	30,880	33,390	34,860	32,240	33,610	34,960	36,340	37,570	38,550	39,520	40,750	42,100	43,500	45,000
Government	30,880	33,390	34,860	32,240	33,610	34,960	36,340	37,570	38,550	39,520	40,750	42,100	43,500	45,000
Total Nonagricultural	297,600	305,130	316,360	328,170	341,600	355,930	370,590	385,280	399,500	413,440	428,560	443,730	459,700	477,140
Population & Households:														
Population:	673,410	692,000	711,440	645,990	720,360	747,590	775,590	804,540	834,640	865,990	898,400	931,780	966,070	1,001,490
Households:	244,290	254,410	259,610	235,170	261,770	269,760	277,800	285,900	294,040	302,500	311,170	319,970	328,800	337,550
Persons per Household:	2.70	2.68	2.67	2.67	2.68	2.70	2.72	2.74	2.76	2.79	2.81	2.84	2.86	2.89
Personal Income:	(Millions)													
Current Year $:	$27,609	$29,746	$31,986	$34,984	$37,742	$40,719	$44,018	$47,629	$51,418	$55,539	$59,887	$64,437	$69,378	$74,794
2005 $:	24,506	25,864	27,265	29,328	31,049	32,802	34,697	36,760	38,893	41,192	43,564	45,971	48,529	51,284
Per Capita Personal Income:														
Current Year $:	$41,000	$42,990	$44,960	$54,160	$52,390	$54,470	$56,750	$59,200	$61,600	$64,130	$66,660	$69,150	$71,810	$74,680
2005 $:	36,390	37,380	38,320	45,400	43,100	43,880	44,740	45,690	46,600	47,570	48,490	49,340	50,230	51,210

Boise MSA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	46,710	48,240	49,830	51,610	53,590	55,600	57,550	59,600	61,730	63,940	66,370	68,830	71,430	74,330
Manufacturing	38,380	39,000	39,660	40,330	40,970	41,630	42,210	42,770	43,270	43,840	44,520	45,200	45,900	46,570
Transp., Trade, & Utilities	85,760	88,530	91,430	94,200	97,100	99,980	102,810	105,700	108,840	112,100	115,240	118,240	121,020	124,000
Information & Financial Activities	30,180	30,990	31,840	32,660	33,510	34,330	35,130	36,020	36,950	37,940	38,880	39,840	40,830	41,830
Professional & Business Services	80,310	83,580	87,150	90,990	95,660	100,000	103,890	107,540	111,830	116,300	120,580	125,290	130,120	135,020
Educational & Health Services	86,430	90,690	94,840	99,030	103,000	106,710	111,010	115,980	121,760	127,570	134,020	140,670	147,920	155,440
Leisure, Hospitality, & Other Svcs.	60,540	62,610	64,900	67,180	69,590	72,050	74,480	77,040	79,860	82,750	85,460	88,180	90,910	93,690
Government	65,380	67,880	70,650	73,710	76,500	79,290	82,170	85,200	88,330	92,440	94,830	98,270	101,830	105,560
Total Nonagricultural	493,690	511,530	530,290	549,700	569,920	589,580	609,250	629,860	652,580	676,890	699,910	724,510	749,940	776,430
Population & Households:														
Population:	$1,037,860	$1,075,370	$1,114,060	$1,154,020	$1,195,320	$1,238,050	$1,282,270	$1,328,070	$1,375,430	$1,424,480	$1,474,590	$1,526,460	$1,580,180	$1,635,850
Households:	346,090	354,760	363,800	373,210	382,860	392,760	402,940	413,360	423,900	434,470	444,940	455,700	465,970	476,240
Persons per Household:	2.92	2.95	2.98	3.01	3.04	3.07	3.10	3.13	3.16	3.19	3.23	3.26	3.35	3.39
Personal Income:	(Millions)													
Current Year $:	$80,472	$86,622	$93,307	$100,465	$108,300	$116,554	$125,264	$134,724	$145,136	$156,532	$168,513	$181,567	$195,793	$211,243
2009 $:	54,057	57,006	60,144	63,414	66,949	70,568	74,267	78,199	82,450	87,036	91,698	96,677	101,989	107,636
Per Capita Personal Income:														
Current Year $:	$77,540	$80,550	$83,750	$87,060	$90,600	$94,140	$97,690	$101,440	$105,520	$109,890	$114,280	$118,950	$123,910	$129,130
2009 $:	52,090	53,010	53,990	54,950	56,010	57,000	57,920	58,880	59,940	61,100	62,190	63,330	64,540	65,800

Idaho Economics
Winter 2020 County Economic Forecasts

Boise MSA

(Ada, Boise, Canyon, Gem, & Owyhee Counties)

Summary Information	Historical				Forecast					Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	345,530	497,630	644,990	728,380	927,700	########	########	1,525,120	1,777,210	299,460	230,750	796,740	3.2%	1.9%	3.8%
Population per Square Mile	29.3	42.2	54.7	61.8	78.7	93.0	109.7	129.4	150.8						
Total Households:	124,560	180,950	236,060	271,860	329,700	373,450	419,580	472,190	518,920	111,500	90,910	200,330	3.2%	2.1%	2.8%
Persons per Household	2.54	2.53	2.56	2.48	2.62	2.76	2.91	3.07	3.38						
Employment:															
Total Nonagricultural	145,160	235,500	257,440	346,330	420,930	498,060	590,810	697,760	812,890	112,280	110,830	351,430	2.9%	1.9%	3.6%
Manufacturing:	24,670	36,050	22,510	31,350	36,420	40,410	43,820	46,670	49,310	(2,160)	(4,700)	15,320	-0.5%	-0.7%	2.0%
Services	43,610	78,980	106,120	147,210	185,250	226,480	276,820	335,590	403,640	62,510	68,230	188,380	4.5%	3.2%	4.2%

Boise MSA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	6,800	14,240	17,390	20,660	24,810	23,640	19,060	14,460	18,440	17,900	18,730	20,620	21,770	23,240	25,150
Manufacturing	24,670	31,240	36,050	30,470	31,940	31,510	28,790	23,430	22,510	23,170	23,950	24,420	24,720	25,420	26,150
Transp., Trade, & Utilities	31,710	39,010	48,380	50,410	53,760	56,040	55,400	50,790	49,850	50,420	51,790	53,800	55,420	57,680	59,100
Information & Financial Activities	11,580	14,110	16,820	18,670	20,020	20,000	19,740	18,300	16,910	16,980	17,130	17,700	17,970	18,620	19,570
Professional & Business Services	14,170	18,290	27,230	37,890	40,990	41,270	42,040	38,820	37,750	37,570	38,190	38,560	39,060	39,340	42,220
Educational & Health Services	12,460	17,490	24,270	31,670	32,260	33,660	35,740	37,070	38,020	39,380	39,890	41,280	42,670	44,300	45,490
Leisure, Hospitality, & Other Svcs.	16,990	22,030	27,480	30,260	32,150	34,090	34,030	33,150	30,360	31,090	32,220	33,740	35,300	36,700	39,210
Government	26,790	32,130	37,870	41,710	42,650	43,690	45,620	46,000	45,470	44,910	45,400	45,650	46,060	46,370	46,490
Total Nonagricultural	145,160	188,530	235,500	261,750	278,550	284,320	279,020	259,890	257,440	259,240	264,870	273,660	280,610	289,820	302,280
Population & Households:															
Population:	345,530	422,140	497,630	572,900	596,510	616,930	630,150	638,110	644,990	653,890	663,710	675,490	688,850	700,470	717,420
Households:	124,560	152,280	180,950	216,950	226,480	233,730	236,230	234,630	236,060	238,450	242,110	245,430	249,240	253,660	259,660
Persons per Household:	2.51	2.49	2.47	2.46	2.46	2.47	2.50	2.55	2.56	2.57	2.57	2.59	2.60	2.61	2.61
Personal Income:	(Millions)														
Current Year $:	$6,070	$9,692	$14,461	$18,303	$20,520	$21,510	$21,788	$21,026	$21,322	$22,423	$23,674	$24,867	$26,551	$28,130	$29,239
2009 $:	9,002	12,693	17,507	20,491	22,463	22,698	21,556	21,199	21,403	21,815	22,433	23,222	24,149	24,929	25,652
Per Capita Personal Income:															
Current Year $:	$17,570	$22,960	$29,060	$31,950	$34,400	$34,870	$34,580	$32,950	$33,060	$34,290	$35,670	$36,810	$38,540	$40,160	$40,760
2009 $:	26,050	30,070	35,180	35,770	37,660	36,790	34,210	33,220	33,180	33,360	33,800	34,380	35,060	35,590	35,760

Boise MSA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	27,060	29,520	31,370	35,120	37,460	39,200	40,940	42,660	43,840	45,080	46,520	47,940	49,250	50,750
Manufacturing	27,410	29,340	29,440	31,350	32,340	33,430	34,460	35,530	36,420	37,310	38,190	38,860	39,570	40,410
Transp., Trade, & Utilities	64,850	66,890	69,120	70,320	73,010	75,370	77,620	79,710	81,470	83,600	85,690	87,880	90,460	92,930
Information & Financial Activities	60,480	63,130	64,920	65,760	69,140	72,310	75,700	79,330	82,690	86,150	90,340	94,100	98,110	102,300
Professional & Business Services	45,630	48,120	51,250	54,480	57,140	61,290	64,240	67,230	70,230	73,230	76,250	79,560	82,980	86,480
Educational & Health Services	45,630	48,120	51,250	54,480	57,140	61,290	64,240	67,230	70,230	73,230	76,250	79,560	82,980	86,480
Leisure, Hospitality, & Other Svcs.	32,590	35,200	36,750	34,310	36,000	37,400	38,830	40,110	40,930	41,890	43,100	44,450	45,850	47,340
Government	32,590	35,200	36,750	34,310	36,000	37,400	38,830	40,110	40,930	41,890	43,100	44,450	45,850	47,340
Total Nonagricultural	312,750	320,690	332,220	346,330	361,830	377,910	392,960	408,050	420,930	434,730	449,720	464,770	480,660	498,060
Population & Households:														
Population:	736,560	756,270	776,710	728,380	812,350	841,330	871,110	901,860	927,700	959,240	991,850	1,025,500	1,060,180	1,096,010
Households:	267,310	277,610	283,000	271,860	297,420	305,280	313,200	321,160	329,700	338,150	346,810	355,680	364,620	373,450
Persons per Household:	2.60	2.58	2.58	2.48	2.53	2.56	2.58	2.61	2.62	2.65	2.68	2.70	2.73	2.76
Personal Income:	(Millions)													
Current Year $:	$30,064	$32,305	$34,644	$37,400	$40,619	$43,767	$47,248	$51,054	$54,769	$59,020	$63,492	$68,168	$73,251	$78,819
2009 $:	26,684	28,089	29,531	31,353	33,415	35,257	37,244	39,404	41,428	43,774	46,186	48,634	51,238	54,044
Per Capita Personal Income:														
Current Year $:	$40,820	$42,720	$44,600	$51,350	$50,000	$52,020	$54,240	$56,610	$59,040	$61,530	$64,010	$66,470	$69,090	$71,910
2005 $:	36,230	37,140	38,020	43,050	41,130	41,910	42,750	43,690	44,660	45,630	46,570	47,420	48,330	49,310

Boise MSA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	52,300	53,860	55,470	57,280	59,290	61,340	63,330	65,400	67,570	69,810	72,280	74,780	77,420	80,370
Manufacturing	41,230	41,840	42,500	43,180	43,820	44,470	45,050	45,610	46,100	46,670	47,340	48,020	48,720	49,390
Transp., Trade, & Utilities	89,290	92,060	94,980	97,750	100,660	103,550	106,390	109,280	112,420	115,670	118,830	121,820	124,590	127,570
Information & Financial Activities	30,710	31,520	32,360	33,180	34,030	34,840	35,630	36,520	37,450	38,430	39,370	40,330	41,310	42,300
Professional & Business Services	82,240	85,520	89,100	92,950	97,640	101,990	105,880	109,540	113,830	118,310	122,600	127,320	132,150	137,050
Educational & Health Services	90,180	94,490	98,690	102,930	106,950	110,680	115,030	120,050	125,910	131,790	138,320	145,050	152,400	160,000
Leisure, Hospitality, & Other Svcs.	63,140	65,220	67,530	69,810	72,240	74,720	77,160	79,740	82,580	85,490	88,220	90,950	93,680	96,480
Government	70,610	73,160	75,970	79,090	81,940	84,770	87,690	90,770	93,940	98,160	100,530	104,010	107,620	111,400
Total Nonagricultural	514,580	532,410	551,170	570,580	590,810	610,460	630,090	650,680	673,420	697,760	720,760	745,380	770,820	797,320
Population & Households:														
Population:	1,132,990	1,171,120	1,210,420	1,250,990	1,292,900	1,336,250	1,381,080	1,427,490	1,475,460	1,525,120	1,575,860	1,628,340	1,682,680	1,738,970
Households:	382,130	390,930	400,130	409,730	419,580	429,680	440,060	450,690	461,430	472,190	482,840	493,790	504,200	514,580
Persons per Household:	2.79	2.82	2.85	2.88	2.91	2.94	2.97	3.00	3.03	3.07	3.10	3.14	3.29	3.34
Personal Income:	(Millions)													
Current Year $:	$84,666	$90,988	$97,855	$105,204	$113,244	$121,706	$130,622	$140,301	$150,947	$162,593	$174,829	$188,153	$202,672	$218,430
2009 $:	56,875	59,880	63,076	66,405	70,005	73,687	77,444	81,437	85,751	90,406	95,135	100,183	105,572	111,298
Per Capita Personal Income:														
Current Year $:	$74,730	$77,690	$80,840	$84,100	$87,590	$91,080	$94,580	$98,280	$102,300	$106,610	$110,940	$115,550	$120,450	$125,610
2009 $:	50,200	51,130	52,110	53,080	54,150	55,140	56,070	57,050	58,120	59,280	60,370	61,520	62,740	64,000

Idaho Economics
Winter 2020 County Economic Forecasts

Pocatello MSA

(Bannock & Power Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	73,510	83,210	90,890	97,780	107,130	116,740	126,490	137,160	147,730	17,380	14,570	39,380	1.1%	0.8%	1.7%
Population per Square Mile	29.2	33.0	36.1	38.8	42.5	46.3	50.2	54.5	58.7						
Total Households:	25,880	30,100	33,640	37,910	42,260	46,940	51,730	57,320	61,940	7,760	7,810	19,410	1.3%	1.2%	2.1%
Persons per Household	2.79	2.71	2.65	2.53	2.49	2.44	2.40	2.35	2.34						
Employment:															
Total Nonagricultural	25,880	37,320	33,870	40,310	44,910	49,220	53,900	58,680	63,590	7,990	2,990	18,370	1.4%	0.4%	1.9%
Manufacturing:	3,170	4,590	3,140	2,160	2,380	2,550	2,650	2,710	2,760	(30)	(2,430)	550	0.0%	-3.7%	1.1%
Services	6,580	10,840	12,580	13,700	16,280	18,780	21,620	24,520	27,760	6,000	2,860	10,820	3.3%	1.2%	3.0%

Pocatello MSA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,240	1,700	2,180	2,400	2,280	2,350	2,160	1,840	2,230	2,230	1,980	2,000	2,080	2,290	2,510
Manufacturing	3,170	3,810	4,590	3,160	3,740	3,880	3,650	3,380	3,140	3,210	3,130	2,970	2,790	2,710	2,970
Transp., Trade, & Utilities	5,800	7,900	7,670	7,270	7,500	7,490	7,510	6,960	6,350	6,370	6,390	6,510	6,640	6,730	6,790
Information & Financial Activities	2,360	2,150	2,590	2,830	2,840	3,010	2,590	2,340	2,060	1,990	2,190	2,370	2,490	2,560	2,450
Professional & Business Services	1,580	1,900	3,470	4,220	4,900	4,820	3,810	3,630	3,140	3,070	3,300	3,670	3,780	3,720	3,650
Educational & Health Services	1,650	2,250	2,810	3,270	3,240	3,370	3,790	5,080	5,090	5,150	5,280	5,400	5,620	5,750	5,810
Leisure, Hospitality, & Other Svcs.	3,350	4,350	4,550	4,590	4,650	4,850	4,940	4,780	4,350	4,200	4,110	4,160	4,180	4,360	4,580
Government	6,710	8,450	9,450	10,320	10,120	9,930	9,960	8,980	8,800	8,860	8,720	8,950	9,120	9,550	9,580
Total Nonagricultural	25,880	32,510	37,320	38,050	39,260	38,310	36,910	34,810	33,870	33,730	33,830	34,560	35,180	35,930	36,650
Population & Households:															
Population:	73,510	81,340	83,210	84,850	86,060	86,870	88,170	89,620	90,890	91,420	91,590	91,250	91,270	91,870	92,360
Households:	25,880	28,530	30,100	32,000	32,540	32,890	33,030	33,070	33,640	34,420	34,790	34,770	34,770	34,930	35,250
Persons per Household:	2.69	2.66	2.63	2.60	2.60	2.59	2.62	2.66	2.65	2.61	2.58	2.58	2.58	2.58	2.57
Personal Income:	(Millions)														
Current Year $:	$1,078	$1,457	$1,800	$2,240	$2,366	$2,493	$2,598	$2,573	$2,619	$2,753	$2,808	$2,861	$2,933	$3,086	$3,207
2009 $:	1,599	1,908	2,190	2,491	2,596	2,673	2,640	2,600	2,597	2,668	2,670	2,693	2,783	2,852	2,909
Per Capita Personal Income:															
Current Year $:	$14,670	$17,910	$21,630	$26,400	$27,490	$28,690	$29,460	$28,710	$28,810	$30,110	$30,660	$31,360	$32,140	$33,590	$34,720
2009 $:	21,750	23,460	26,320	29,350	30,170	30,770	29,940	29,010	28,570	29,180	29,150	29,520	30,490	31,040	31,500

Pocatello MSA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	2,610	2,450	2,600	4,630	4,710	4,770	4,830	4,870	4,900	4,910	4,930	4,960	4,970	4,990
Manufacturing	3,120	3,310	3,340	2,160	2,210	2,250	2,290	2,340	2,380	2,430	2,460	2,490	2,510	2,550
Transp., Trade, & Utilities	7,240	7,320	7,240	4,640	4,720	4,780	4,840	4,870	4,900	4,950	4,990	5,030	5,090	5,140
Information & Financial Activities	5,670	5,830	5,720	7,330	7,560	7,800	8,050	8,300	8,530	8,740	9,010	9,230	9,460	9,690
Professional & Business Services	5,930	5,990	6,110	5,150	5,350	5,550	5,800	6,030	6,280	6,500	6,710	6,960	7,200	7,430
Educational & Health Services	5,930	5,990	6,110	5,150	5,350	5,550	5,800	6,030	6,280	6,500	6,710	6,960	7,200	7,430
Leisure, Hospitality, & Other Svcs.	3,980	3,900	4,270	5,230	5,320	5,410	5,500	5,550	5,560	5,570	5,590	5,640	5,700	5,750
Government	3,980	3,900	4,270	5,230	5,320	5,410	5,500	5,550	5,560	5,570	5,590	5,640	5,700	5,750
Total Nonagricultural	36,970	37,260	37,890	40,310	41,180	42,140	43,150	44,070	44,910	45,680	46,500	47,370	48,270	49,220
Population & Households:														
Population:	93,090	94,370	95,490	97,780	99,600	101,450	103,340	105,240	107,130	109,030	110,960	112,880	114,810	116,740
Households:	35,730	36,440	37,190	37,910	38,780	39,630	40,510	41,390	42,260	43,170	44,100	45,050	46,010	46,940
Persons per Household:	2.56	2.56	2.52	2.53	2.52	2.51	2.50	2.49	2.49	2.48	2.47	2.46	2.45	2.44
Personal Income:	(Millions)													
Current Year $:	$3,367	$3,540	$3,716	$3,937	$4,146	$4,369	$4,601	$4,844	$5,086	$5,359	$5,629	$5,893	$6,182	$6,501
2009 $:	2,988	3,078	3,168	3,301	3,411	3,520	3,627	3,739	3,847	3,975	4,094	4,204	4,324	4,458
Per Capita Personal Income:														
Current Year $:	$36,170	$37,510	$38,920	$40,270	$41,630	$43,070	$44,520	$46,030	$47,470	$49,150	$50,730	$52,210	$53,850	$55,690
2009 $:	32,100	32,610	33,170	33,760	34,250	34,700	35,100	35,520	35,910	36,450	36,900	37,250	37,670	38,190

Pocatello MSA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	5,020	5,050	5,080	5,110	5,160	5,200	5,230	5,270	5,310	5,360	5,420	5,480	5,540	5,620
Manufacturing	2,580	2,600	2,620	2,640	2,650	2,670	2,680	2,690	2,700	2,710	2,720	2,740	2,760	2,770
Transp., Trade, & Utilities	4,500	4,570	4,640	4,700	4,770	4,820	4,850	4,880	4,930	4,980	5,010	5,030	5,020	5,030
Information & Financial Activities	5,740	5,750	5,760	5,760	5,770	5,760	5,750	5,750	5,750	5,750	5,740	5,740	5,730	5,720
Professional & Business Services	4,880	5,080	5,300	5,530	5,820	6,070	6,270	6,440	6,660	6,880	7,080	7,310	7,540	7,760
Educational & Health Services	7,690	7,990	8,270	8,550	8,800	9,010	9,260	9,550	9,910	10,250	10,630	11,020	11,450	11,870
Leisure, Hospitality, & Other Svcs.	6,730	6,810	6,870	6,940	7,000	7,060	7,130	7,210	7,300	7,380	7,450	7,510	7,570	7,620
Government	12,960	13,210	13,450	13,680	13,940	14,200	14,460	14,740	15,030	15,370	15,610	15,900	16,200	16,510
Total Nonagricultural	50,110	51,060	51,990	52,920	53,900	54,780	55,630	56,520	57,570	58,680	59,670	60,740	61,810	62,900
Population & Households:														
Population:	$118,670	$120,590	$122,540	$124,500	$126,490	$128,530	$130,610	$132,750	$134,940	$137,160	$139,420	$141,700	$144,000	$146,330
Households:	47,840	48,740	49,700	50,700	51,730	52,790	53,900	55,030	56,180	57,320	58,490	59,680	60,810	61,930
Persons per Household:	2.43	2.43	2.42	2.41	2.40	2.39	2.38	2.37	2.36	2.35	2.34	2.33	2.32	2.32
Personal Income:	(Millions)													
Current Year $:	$6,835	$7,188	$7,572	$7,978	$8,408	$8,818	$9,225	$9,658	$10,121	$10,615	$11,116	$11,649	$12,173	$12,705
2009 $:	4,592	4,731	4,881	5,035	5,198	5,339	5,470	5,606	5,749	5,902	6,049	6,203	6,341	6,474
Per Capita Personal Income:														
Current Year $:	$57,600	$59,610	$61,790	$64,080	$66,470	$68,610	$70,630	$72,760	$75,000	$77,390	$79,730	$82,210	$84,540	$86,830
2009 $:	38,690	39,230	39,830	40,450	41,090	41,540	41,880	42,230	42,610	43,030	43,390	43,770	44,030	44,240

Idaho Falls MSA

(Bonneville & Jefferson Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	89,590	102,160	130,900	154,460	175,760	199,230	225,410	254,880	245,770	41,310	52,300	100,420	1.9%	2.1%	2.5%
Population per Square Mile	30.2	34.5	44.2	52.1	59.3	67.2	76.1	86.0	82.9						
Total Households:	29,130	34,980	45,220	52,830	57,510	62,210	66,940	72,430	75,440	16,090	17,850	19,600	2.2%	2.1%	1.6%
Persons per Household	3.03	2.88	2.86	2.88	3.02	3.16	3.32	3.47	3.22						
Employment:															
Total Nonagricultural	29,350	42,870	48,690	61,090	69,720	77,060	84,990	93,070	101,080	19,340	18,220	31,980	2.6%	1.8%	2.1%
Manufacturing:	1,940	2,670	2,840	6,630	7,090	7,340	7,470	7,520	7,550	900	3,960	890	1.9%	4.7%	0.6%
Services	10,700	16,150	18,630	21,580	26,490	30,770	35,240	39,820	44,800	7,930	5,430	18,240	2.8%	1.5%	3.1%

Idaho Falls MSA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	2,040	2,740	3,300	3,790	4,400	4,810	4,360	3,410	4,460	3,790	3,850	3,940	4,190	4,630	4,880
Manufacturing	1,940	2,280	2,670	3,240	3,460	3,480	3,320	2,920	2,840	2,920	3,440	3,610	3,810	4,070	3,820
Transp., Trade, & Utilities	7,690	10,150	11,590	12,930	13,440	13,330	13,300	12,600	12,430	12,670	12,830	13,050	13,320	13,950	13,560
Information & Financial Activities	2,010	2,120	2,540	3,120	3,400	3,360	3,690	3,440	3,130	2,980	2,830	2,760	2,730	2,760	2,830
Professional & Business Services	4,100	5,190	5,550	9,160	9,310	5,510	5,340	5,070	4,790	4,680	4,540	5,060	5,040	4,950	6,050
Educational & Health Services	2,790	3,890	4,800	6,660	6,860	7,190	7,440	7,670	7,740	7,850	7,960	8,260	8,510	8,820	9,290
Leisure, Hospitality, & Other Svcs.	3,800	5,210	5,800	6,400	6,640	6,920	6,940	6,680	6,100	6,240	6,370	6,610	6,800	7,040	7,310
Government	4,980	6,260	6,630	6,780	6,780	7,030	7,230	7,380	7,340	7,180	7,210	7,200	7,280	7,390	7,430
Total Nonagricultural	29,350	37,840	42,870	52,090	54,290	51,970	51,590	48,960	48,690	48,120	48,880	50,330	51,580	53,630	55,250
Population & Households:															
Population:	89,590	97,740	102,160	113,380	117,200	121,370	125,510	128,790	130,900	132,130	133,410	134,170	135,180	136,980	139,950
Households:	29,130	32,760	34,980	40,380	41,870	43,290	44,240	44,450	45,220	46,060	46,030	47,010	47,510	48,000	48,630
Persons per Household:	2.85	2.82	2.79	2.77	2.76	2.77	2.80	2.86	2.86	2.83	2.86	2.82	2.81	2.82	2.84
Personal Income:	(Millions)														
Current Year $:	$1,467	$1,892	$2,467	$3,519	$3,905	$4,238	$4,408	$4,256	$4,327	$4,537	$4,751	$4,797	$4,969	$5,412	$5,666
2009 $:	2,175	2,477	2,547	3,541	3,894	4,198	4,346	4,227	4,294	4,506	4,730	4,790	5,011	5,428	5,658
Per Capita Personal Income:															
Current Year $:	$16,370	$19,350	$24,150	$31,040	$33,320	$34,920	$35,120	$33,050	$33,060	$34,330	$35,610	$35,750	$36,760	$39,510	$40,490
2009 $:	24,280	25,340	24,930	31,230	33,230	34,590	34,630	32,830	32,810	34,110	35,460	35,700	37,070	39,630	40,430

Idaho Falls MSA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	5,140	5,320	5,570	15,360	15,570	15,750	15,910	16,060	16,170	16,260	16,380	16,480	16,570	16,680
Manufacturing	3,960	4,350	4,550	6,630	6,730	6,830	6,910	7,000	7,090	7,150	7,210	7,250	7,280	7,340
Transp., Trade, & Utilities	14,460	14,660	14,520	8,770	9,070	9,360	9,630	9,840	10,010	10,210	10,390	10,570	10,820	11,040
Information & Financial Activities	8,230	8,400	8,790	4,690	5,170	5,670	6,160	6,680	7,160	7,630	8,190	8,600	9,030	9,430
Professional & Business Services	9,700	10,140	10,870	10,310	10,670	11,050	11,450	11,830	12,200	12,520	12,820	13,170	13,520	13,830
Educational & Health Services	9,700	10,140	10,870	10,310	10,670	11,050	11,450	11,830	12,200	12,520	12,820	13,170	13,520	13,830
Leisure, Hospitality, & Other Svcs.	6,100	6,460	6,700	6,800	6,970	7,150	7,310	7,440	7,480	7,510	7,570	7,690	7,800	7,920
Government	6,100	6,460	6,700	6,800	6,970	7,150	7,310	7,440	7,480	7,510	7,570	7,690	7,800	7,920
Total Nonagricultural	56,640	58,700	60,600	61,090	62,830	64,680	66,500	68,220	69,720	71,110	72,600	74,020	75,530	77,060
Population & Households:														
Population:	142,930	145,850	148,930	154,460	158,510	162,660	166,940	171,310	175,760	180,270	184,860	189,550	194,340	199,230
Households:	50,090	51,400	52,770	52,830	53,860	54,770	55,700	56,620	57,510	58,430	59,360	60,330	61,290	62,210
Persons per Household:	2.82	2.81	2.80	2.88	2.90	2.93	2.96	2.99	3.02	3.04	3.07	3.10	3.13	3.16
Personal Income:	(Millions)													
Current Year $:	$6,109	$6,503	$6,914	$7,429	$7,909	$8,428	$8,977	$9,556	$10,150	$10,791	$11,453	$12,126	$12,840	$13,609
2009 $:	5,422	5,654	5,894	6,228	6,506	6,790	7,076	7,375	7,677	8,003	8,331	8,651	8,982	9,332
Per Capita Personal Income:														
Current Year $:	$42,740	$44,590	$46,430	$48,100	$49,900	$51,810	$53,770	$55,780	$57,750	$59,860	$61,950	$63,970	$66,070	$68,310
2009 $:	37,940	38,770	39,570	40,320	41,050	41,740	42,390	43,050	43,680	44,400	45,070	45,640	46,220	46,840

Idaho Falls MSA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	16,790	16,900	17,020	17,150	17,310	17,460	17,600	17,740	17,890	18,050	18,230	18,420	18,610	18,830
Manufacturing	7,380	7,400	7,430	7,450	7,470	7,500	7,500	7,510	7,510	7,520	7,530	7,550	7,570	7,580
Transp., Trade, & Utilities	10,350	10,640	10,950	11,230	11,500	11,750	11,980	12,210	12,470	12,740	12,980	13,180	13,330	13,510
Information & Financial Activities	3,340	3,380	3,420	3,460	3,500	3,520	3,540	3,570	3,600	3,640	3,660	3,690	3,720	3,750
Professional & Business Services	7,440	7,730	8,080	8,460	8,990	9,410	9,700	9,920	10,230	10,540	10,810	11,130	11,450	11,750
Educational & Health Services	14,190	14,600	14,990	15,350	15,680	15,970	16,330	16,760	17,280	17,780	18,340	18,910	19,540	20,170
Leisure, Hospitality, & Other Svcs.	9,970	10,130	10,280	10,420	10,560	10,730	10,900	11,080	11,290	11,500	11,680	11,850	12,010	12,170
Government	9,070	9,290	9,520	9,730	9,970	10,210	10,450	10,700	10,950	11,300	11,470	11,730	12,010	12,300
Total Nonagricultural	78,530	80,080	81,680	83,260	84,990	86,540	88,010	89,500	91,230	93,070	94,710	96,460	98,240	100,070
Population & Households:														
Population:	$204,220	$209,330	$214,540	$219,910	$225,410	$231,040	$236,790	$242,680	$248,720	$254,880	$261,190	$267,620	$274,180	$280,870
Households:	63,090	63,980	64,910	65,910	66,940	68,000	69,090	70,200	71,330	72,430	73,550	74,700	75,750	76,770
Persons per Household:	3.19	3.23	3.26	3.29	3.32	3.35	3.38	3.41	3.44	3.47	3.50	3.54	3.57	3.61
Personal Income:	(Millions)													
Current Year $:	$14,419	$15,261	$16,167	$17,123	$18,163	$19,240	$20,345	$21,526	$22,791	$24,134	$25,537	$27,020	$28,467	$30,073
2009 $:	9,686	10,044	10,421	10,808	11,228	11,649	12,062	12,494	12,947	13,419	13,896	14,387	14,828	15,323
Per Capita Personal Income:														
Current Year $:	$70,610	$72,910	$75,350	$77,870	$80,580	$83,280	$85,920	$88,700	$91,630	$94,690	$97,770	$100,960	$103,820	$107,070
2009 $:	47,430	47,980	48,570	49,150	49,810	50,420	50,940	51,480	52,050	52,650	53,200	53,760	54,080	54,560

Idaho Economics
Winter 2020 County Economic Forecasts

Burley Micropolitan SA

(Cassia & Minidoka Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2020	2025	2030	2035	2040	2045	'90 - '10	'00 - '20	20 - '40	'90 - '10	'00 - '20	'20 - '40
Population & Households:															
Total Population:	39,100	41,500	43,160	44,990	53,500	53,750	54,410	54,640	54,550	4,060	3,490	9,650	0.5%	0.4%	1.0%
Population per Square Mile	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!						
Total Households:	12,910	14,160	14,840	19,420	19,570	20,010	20,450	20,900	21,080	1,930	5,260	1,480	0.7%	1.6%	0.4%
Persons per Household	2.99	2.90	2.87	2.29	2.71	2.66	2.63	2.63	2.56						
Employment:															
Total Nonagricultural	13,840	16,910	16,430	28,350	32,110	32,010	32,190	32,280	32,270	2,590	11,440	3,930	0.9%	2.6%	0.7%
Manufacturing:	3,100	3,060	2,120	3,730	4,260	4,170	4,070	3,920	3,780	(980)	670	190	-1.9%	1.0%	0.2%
Services	2,550	3,490	3,350	4,840	5,560	5,530	5,600	5,650	5,720	800	1,350	810	1.4%	1.6%	0.8%

Burley Micropolitan SA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	1,320	1,560	1,580	1,770	1,870	2,110	1,960	1,640	3,350	3,520	3,680	3,740	3,830	3,890	4,030
Manufacturing	3,100	3,250	3,060	2,120	2,090	2,210	2,250	2,190	2,120	2,230	2,360	2,460	2,360	2,540	2,460
Transp., Trade, & Utilities	3,290	3,640	4,500	4,040	3,820	3,940	4,090	4,000	3,740	3,790	3,950	4,090	4,160	4,450	4,560
Information & Financial Activities	690	880	700	690	690	740	710	680	580	570	590	600	640	640	700
Professional & Business Services	170	400	630	400	380	420	350	440	480	470	470	510	520	580	630
Educational & Health Services	990	1,250	1,370	1,570	1,860	1,990	1,990	1,870	1,600	1,600	1,520	1,540	1,600	1,640	1,770
Leisure, Hospitality, & Other Svcs.	1,380	1,670	1,480	1,470	1,490	1,470	1,570	1,500	1,280	1,340	1,290	1,340	1,390	1,530	1,650
Government	2,890	3,180	3,580	3,220	3,300	3,350	3,340	3,430	3,460	3,390	3,380	3,300	3,340	3,340	3,130
Total Nonagricultural	13,840	15,820	16,910	15,280	15,500	16,380	16,460	16,110	16,430	16,750	17,070	17,430	17,690	18,400	18,700
Population & Households:															
Population:	39,100	41,810	41,500	40,390	40,330	40,750	41,530	42,360	43,160	43,310	43,420	43,740	43,840	43,930	44,090
Households:	12,910	13,970	14,160	14,300	14,350	14,500	14,650	14,700	14,840	14,850	14,870	15,020	15,150	15,320	15,500
Persons per Household:	2.87	2.84	2.82	2.79	2.78	2.78	2.80	2.85	2.87	2.88	2.89	2.88	2.86	2.83	2.81
Personal Income:	(Millions)														
Current Year $:	$590	$714	$860	$999	$1,052	$1,184	$1,296	$1,244	$1,332	$1,465	$1,531	$1,651	$1,716	$1,767	$1,778
2009 $:	875	935	1,049	1,101	1,130	1,235	1,300	1,241	1,265	1,392	1,457	1,533	1,613	1,636	1,658
Per Capita Personal Income:															
Current Year $:	$15,090	$17,080	$20,730	$24,740	$26,090	$29,060	$31,200	$29,370	$30,860	$33,810	$35,260	$37,740	$39,150	$40,230	$40,330
2009 $:	22,380	22,360	25,270	27,270	28,020	30,320	31,320	29,290	29,300	32,150	33,550	35,050	36,790	37,230	37,600

Burley Micropolitan SA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	4,150	4,200	4,350	11,260	12,550	12,810	13,060	13,320	12,770	12,770	12,800	12,820	12,830	12,860
Manufacturing	2,660	2,460	2,690	3,730	4,280	4,370	4,450	4,530	4,260	4,240	4,220	4,200	4,180	4,170
Transp., Trade, & Utilities	4,790	4,800	4,870	5,000	5,420	5,550	5,680	5,780	5,290	5,240	5,190	5,150	5,140	5,130
Information & Financial Activities	1,020	1,030	1,120	880	1,060	1,090	1,130	1,160	1,070	1,060	1,070	1,060	1,070	1,070
Professional & Business Services	1,810	1,920	2,040	2,780	3,040	3,120	3,200	3,280	3,120	3,120	3,120	3,130	3,150	3,160
Educational & Health Services	1,810	1,920	2,040	2,780	3,040	3,120	3,200	3,280	3,120	3,120	3,120	3,130	3,150	3,160
Leisure, Hospitality, & Other Svcs.	1,220	1,250	1,330	1,390	1,630	1,670	1,700	1,720	1,580	1,540	1,520	1,510	1,510	1,500
Government	1,220	1,250	1,330	1,390	1,630	1,670	1,700	1,720	1,580	1,540	1,520	1,510	1,510	1,500
Total Nonagricultural	19,010	19,100	19,860	28,350	31,940	32,700	33,440	34,160	32,110	32,010	31,950	31,920	31,950	32,010
Population & Households:														
Population:	44,370	44,510	45,070	44,990	53,400	54,810	56,190	57,590	53,500	53,420	53,400	53,450	53,590	53,750
Households:	15,690	15,910	16,120	19,420	19,220	19,280	19,330	19,360	19,570	19,640	19,750	19,820	19,910	20,010
Persons per Household:	2.83	2.81	2.78	2.29	2.75	2.81	2.88	2.94	2.71	2.69	2.68	2.67	2.66	2.66
Personal Income:	(Millions)													
Current Year $:	$1,913	$1,999	$2,077	$1,795	$2,240	$2,376	$2,515	$2,666	$2,538	$2,617	$2,699	$2,785	$2,885	$2,997
2009 $:	1,698	1,738	1,770	1,505	1,842	1,914	1,983	2,058	1,920	1,941	1,963	1,987	2,018	2,055
Per Capita Personal Income:														
Current Year $:	$43,120	$44,910	$46,080	$39,900	$41,940	$43,350	$44,760	$46,290	$47,440	$48,980	$50,540	$52,100	$53,830	$55,750
2009 $:	38,270	39,050	39,280	33,450	34,500	34,930	35,280	35,730	35,880	36,330	36,760	37,170	37,650	38,220

Burley Micropolitan SA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	12,890	12,920	12,950	12,990	13,030	13,080	13,120	13,160	13,190	13,230	13,280	13,330	13,390	13,450
Manufacturing	4,160	4,140	4,120	4,090	4,070	4,040	4,010	3,980	3,950	3,920	3,890	3,870	3,840	3,820
Transp., Trade, & Utilities	4,880	4,880	4,880	4,880	4,870	4,860	4,840	4,810	4,800	4,790	4,760	4,740	4,690	4,660
Information & Financial Activities	850	840	840	830	820	810	800	790	790	780	770	760	750	740
Professional & Business Services	480	480	480	490	490	500	500	490	490	490	480	480	480	470
Educational & Health Services	3,180	3,210	3,230	3,240	3,250	3,250	3,260	3,280	3,310	3,340	3,370	3,400	3,430	3,460
Leisure, Hospitality, & Other Svcs.	1,890	1,880	1,880	1,870	1,860	1,850	1,840	1,830	1,830	1,830	1,820	1,810	1,790	1,780
Government	3,720	3,750	3,770	3,780	3,800	3,810	3,830	3,850	3,870	3,910	3,900	3,910	3,930	3,940
Total Nonagricultural	32,050	32,110	32,150	32,160	32,190	32,200	32,190	32,190	32,220	32,280	32,280	32,300	32,310	32,320
Population & Households:														
Population:	53,940	54,110	54,250	54,340	54,410	54,480	54,530	54,580	54,610	54,640	54,660	54,670	54,680	54,670
Households:	20,100	20,180	20,270	20,360	20,450	20,540	20,640	20,730	20,820	20,900	20,970	21,050	21,090	21,120
Persons per Household:	2.66	2.65	2.65	2.64	2.63	2.62	2.62	2.61	2.60	2.59	2.58	2.57	2.57	2.56
Personal Income:	(Millions)													
Current Year $:	$3,110	$3,228	$3,353	$3,477	$3,612	$3,749	$3,886	$4,029	$4,179	$4,338	$4,491	$4,654	$4,830	$5,014
2009 $:	2,089	2,124	2,161	2,195	2,233	2,270	2,304	2,338	2,374	2,412	2,444	2,478	2,516	2,555
Per Capita Personal Income:														
Current Year $:	$57,650	$59,650	$61,800	$63,990	$66,390	$68,820	$71,270	$73,810	$76,510	$79,400	$82,170	$85,120	$88,340	$91,700
2009 $:	38,730	39,250	39,840	40,390	41,040	41,670	42,250	42,840	43,460	44,150	44,710	45,320	46,020	46,730

Twin Falls Micropolitan SA

(Twin Falls & Jerome Counties)

Summary Information	Historical			Forecast						Absolute Change			Ann. Avg. Pct. Chg.		
	1990	2000	2010	2015	2020	2025	2030	2035	2040	'90 - '10	00 - '20	20 - '40	'90 - '10	'00 - '20	20 - '40
Population & Households:															
Total Population:	69,230	82,850	99,990	89,310	105,850	122,640	138,530	154,570	68,510	30,760	6,460	65,260	1.9%	0.4%	2.8%
Population per Square Mile	28.0	33.6	40.5	36.2	42.9	49.7	56.1	62.6	27.7						
Total Households:	24,890	30,420	36,310	31,080	35,340	39,520	43,240	47,100	53,390	11,420	660	16,020	1.9%	0.1%	2.1%
Persons per Household	2.73	2.67	2.70	2.80	2.92	3.03	3.13	3.21	3.12						
Employment:															
Total Nonagricultural	27,620	37,570	41,100	101,410	113,620	124,430	135,090	146,420	157,480	13,480	63,840	45,010	2.0%	5.1%	1.9%
Manufacturing:	3,420	4,470	4,340	6,350	7,230	7,830	8,150	8,330	8,500	920	1,880	1,980	1.2%	1.8%	1.4%
Services	7,730	11,780	13,900	29,720	33,380	36,600	39,920	43,450	47,170	6,170	17,940	13,730	3.0%	4.7%	1.9%

Twin Falls Micropolitan SA

Employment:	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Const., Nat. Resources, & Mining	2,160	2,250	2,620	2,910	3,370	3,580	3,420	2,730	21,450	22,070	22,230	23,390	24,100	24,350	24,560
Manufacturing	3,420	3,650	4,470	4,530	4,680	4,750	4,710	4,430	4,340	4,450	4,720	5,310	5,530	5,650	5,960
Transp., Trade, & Utilities	7,710	8,090	10,010	9,490	9,860	10,230	10,300	9,840	9,560	9,420	9,660	9,620	9,860	10,260	10,310
Information & Financial Activities	1,690	2,560	1,890	2,360	2,360	2,530	2,490	2,460	2,180	2,050	1,960	2,020	1,930	1,900	1,920
Professional & Business Services	1,190	2,240	4,230	5,350	4,740	5,150	4,990	4,310	3,850	4,430	4,330	5,400	5,640	5,520	5,210
Educational & Health Services	3,140	3,310	3,420	3,720	4,850	5,890	5,950	6,140	5,660	5,840	5,860	5,930	6,070	6,180	6,350
Leisure, Hospitality, & Other Svcs.	3,400	4,240	4,130	4,460	4,580	4,640	5,210	4,830	4,390	4,490	4,610	4,760	5,030	5,030	5,350
Government	4,900	5,540	6,800	6,880	6,360	5,600	5,600	5,740	5,800	5,690	5,720	5,700	5,730	5,780	5,910
Total Nonagricultural	27,620	31,890	37,570	39,730	40,800	42,380	42,670	40,480	41,100	41,590	42,470	44,180	45,420	46,420	47,360
Population & Households:															
Population:	69,230	76,690	82,850	89,490	92,090	94,310	96,360	98,310	99,990	100,620	101,130	102,660	103,910	105,220	107,250
Households:	24,890	27,650	30,420	33,680	34,730	35,510	35,840	35,880	36,310	36,300	36,340	36,890	37,380	38,030	38,750
Persons per Household:	2.65	2.63	2.62	2.61	2.60	2.61	2.64	2.69	2.70	2.72	2.73	2.73	2.73	2.71	2.72
Personal Income:	(Millions)														
Current Year $:	$1,064	$1,465	$1,881	$2,402	$2,549	$2,794	$2,930	$2,791	$2,942	$3,132	$3,295	$3,454	$3,657	$3,772	$3,835
2009 $:	1,578	1,919	2,294	2,736	2,817	3,002	2,999	2,890	2,960	3,091	3,213	3,321	3,476	3,649	3,789
Per Capita Personal Income:															
Current Year $:	$15,370	$19,110	$22,700	$26,850	$27,690	$29,620	$30,410	$28,390	$29,420	$31,130	$32,580	$33,640	$35,190	$35,850	$35,760
2009 $:	22,800	25,020	27,690	30,570	30,590	31,830	31,120	29,400	29,600	30,720	31,780	32,350	33,450	34,680	35,330

Twin Falls Micropolitan SA

Employment:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Const., Nat. Resources, & Mining	25,240	25,810	26,410	44,550	45,510	46,570	47,640	48,660	49,570	50,380	51,250	52,170	53,080	54,060
Manufacturing	6,200	6,300	6,310	6,350	6,530	6,710	6,880	7,060	7,230	7,380	7,520	7,610	7,700	7,830
Transp., Trade, & Utilities	10,760	10,970	11,120	10,880	11,240	11,500	11,760	11,980	12,180	12,400	12,590	12,780	13,030	13,260
Information & Financial Activities	6,900	6,910	6,910	14,390	14,720	15,070	15,420	15,770	16,080	16,370	16,730	17,020	17,330	17,630
Professional & Business Services	6,490	6,520	6,480	10,710	10,990	11,290	11,610	11,910	12,200	12,450	12,680	12,960	13,230	13,490
Educational & Health Services	6,490	6,520	6,480	10,710	10,990	11,290	11,610	11,910	12,200	12,450	12,680	12,960	13,230	13,490
Leisure, Hospitality, & Other Svcs.	4,240	4,450	4,880	5,060	5,190	5,330	5,460	5,550	5,580	5,590	5,640	5,730	5,820	5,920
Government	4,240	4,450	4,880	5,060	5,190	5,330	5,460	5,550	5,580	5,590	5,640	5,730	5,820	5,920
Total Nonagricultural	48,620	49,640	50,430	101,410	103,820	106,390	108,970	111,420	113,620	115,620	117,710	119,860	122,070	124,430
Population & Households:														
Population:	109,140	110,100	111,290	89,310	92,570	95,840	99,150	102,490	105,850	109,220	112,590	115,940	119,290	122,640
Households:	39,550	40,770	42,030	31,080	31,970	32,830	33,680	34,530	35,340	36,160	36,960	37,840	38,700	39,520
Persons per Household:	2.72	2.71	2.70	2.80	2.82	2.85	2.87	2.90	2.92	2.95	2.97	2.99	3.01	3.03
Personal Income:	(Millions)													
Current Year $:	$4,452	$4,777	$5,110	$5,519	$5,896	$6,305	$6,735	$7,189	$7,659	$8,155	$8,663	$9,187	$9,743	$10,349
2009 $:	3,952	4,154	4,356	4,627	4,851	5,079	5,309	5,549	5,793	6,049	6,302	6,554	6,815	7,096
Per Capita Personal Income:														
Current Year $:	$40,800	$43,390	$45,910	$61,790	$63,700	$65,780	$67,930	$70,140	$72,360	$74,670	$76,940	$79,230	$81,670	$84,390
2009 $:	36,210	37,730	39,140	51,800	52,400	52,990	53,550	54,140	54,730	55,380	55,970	56,530	57,130	57,860

Twin Falls Micropolitan SA

Employment:	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Const., Nat. Resources, & Mining	54,880	55,800	56,700	57,570	58,520	59,410	60,300	61,230	62,310	63,460	64,440	65,550	66,670	67,790
Manufacturing	7,920	7,980	8,040	8,100	8,150	8,200	8,240	8,280	8,290	8,330	8,370	8,420	8,480	8,520
Transp., Trade, & Utilities	12,250	12,510	12,760	12,990	13,220	13,440	13,640	13,840	14,070	14,310	14,510	14,690	14,820	14,970
Information & Financial Activities	4,840	4,880	4,920	4,950	4,980	5,000	5,020	5,050	5,080	5,120	5,140	5,160	5,190	5,210
Professional & Business Services	14,320	14,540	14,790	15,040	15,390	15,660	15,860	16,020	16,240	16,470	16,650	16,880	17,080	17,280
Educational & Health Services	13,770	14,090	14,390	14,660	14,900	15,110	15,390	15,730	16,150	16,560	17,000	17,450	17,940	18,440
Leisure, Hospitality, & Other Svcs.	9,140	9,280	9,410	9,520	9,630	9,770	9,910	10,060	10,240	10,420	10,550	10,680	10,810	10,920
Government	9,330	9,580	9,820	10,050	10,290	10,560	10,830	11,110	11,390	11,750	11,980	12,280	12,580	12,900
Total Nonagricultural	126,450	128,660	130,820	132,890	135,090	137,160	139,200	141,330	143,770	146,420	148,640	151,100	153,570	156,020
Population & Households:														
Population:	$125,880	$129,090	$132,250	$135,390	$138,530	$141,700	$144,890	$148,090	$151,320	$154,570	$157,850	$161,160	$164,480	$167,840
Households:	40,270	41,000	41,730	42,490	43,240	44,010	44,780	45,570	46,340	47,100	47,850	48,610	49,310	49,980
Persons per Household:	3.05	3.07	3.09	3.11	3.13	3.14	3.16	3.17	3.19	3.21	3.22	3.24	3.26	3.28
Personal Income:	(Millions)													
Current Year $:	$10,962	$11,609	$12,294	$13,014	$13,790	$14,606	$15,451	$16,358	$17,325	$18,373	$19,464	$20,637	$21,913	$23,267
2009 $:	7,364	7,640	7,924	8,214	8,525	8,843	9,161	9,495	9,842	10,216	10,591	10,988	11,415	11,855
Per Capita Personal Income:														
Current Year $:	$87,080	$89,930	$92,960	$96,120	$99,540	$103,080	$106,640	$110,460	$114,500	$118,860	$123,300	$128,050	$133,220	$138,620
2009 $:	58,500	59,180	59,920	60,670	61,540	62,410	63,230	64,120	65,040	66,090	67,100	68,180	69,400	70,630

Intermountain Gas Company

Residential Customer Conversion Rates

Integrated Resource Plan 2021 – 2026

Exhibit No. 2
Section B

Conversion Rate

Residential

RESIDENTIAL

YEAR	WESTERN REGION SALES	CENTRAL DIVISION SALES	EASTERN REGION SALES	CO. TOTAL
F80	NA	NA	NA	50.11%
F81	NA	NA	NA	19.67%
F82	NA	NA	NA	50.56%
F83	NA	NA	NA	37.32%
F84	NA	NA	NA	42.18%
F85	38.74%	51.42%	70.38%	46.84%
F86	35.13%	55.25%	68.75%	42.57%
F87	28.88%	47.06%	57.31%	36.23%
F88	31.94%	56.67%	63.81%	41.16%
F89	35.94%	49.79%	68.17%	43.25%
F90	33.39%	39.07%	67.75%	40.28%
F91	43.49%	48.47%	67.30%	48.84%
F92	37.25%	46.93%	65.53%	43.39%
F93	30.05%	46.21%	67.75%	37.92%
F94	26.18%	35.03%	59.31%	32.80%
F95	27.74%	36.72%	64.97%	36.14%
F96	22.97%	37.10%	53.69%	30.93%
F97	22.36%	37.74%	57.86%	31.90%
F98	16.87%	41.04%	54.86%	28.42%
F99	15.83%	37.72%	48.51%	26.10%
F00	14.92%	34.51%	43.99%	23.22%
F01	9.74%	26.19%	33.40%	15.40%
F02	12.40%	27.57%	35.02%	18.68%
F03	10.68%	23.57%	25.35%	15.30%
F04	6.51%	20.46%	15.03%	9.59%
F05	5.32%	21.52%	14.86%	8.79%
F06	3.84%	11.41%	9.33%	5.70%
F07	5.60%	13.33%	10.61%	7.94%
F08	9.06%	24.18%	18.75%	13.98%
F09	10.09%	18.55%	17.27%	13.38%
F10	13.81%	27.35%	21.09%	18.00%
F11	16.12%	33.24%	35.44%	23.44%
F12	11.67%	30.22%	37.12%	19.11%
F13	10.85%	26.85%	21.13%	14.83%
F14	13.31%	24.59%	27.07%	17.26%
F15	6.88%	17.43%	23.96%	11.42%
F16	7.05%	20.00%	17.58%	9.99%
F17	7.81%	21.88%	15.09%	10.33%
F18	5.72%	17.39%	14.27%	8.17%
F19	4.31%	11.60%	14.13%	6.69%
F20	4.64%	6.41%	15.53%	6.66%
3 yr avg	4.89%	11.80%	14.64%	7.17%

Conversion Rate
Residential

NEW CONSTRUCTION ONLY

RESIDENTIAL

YEAR	WESTERN REGION SALES	CENTRAL DIVISION SALES	EASTERN REGION SALES	TOTAL
F80	NA	NA	NA	924
F81	NA	NA	NA	1,507
F82	NA	NA	NA	919
F83	NA	NA	NA	1,574
F84	NA	NA	NA	1,516
F85	1,077	120	165	1,362
F86	1,337	98	150	1,585
F87	1,271	99	225	1,595
F88	1,187	117	190	1,494
F89	1,624	234	198	2,056
F90	2,218	365	278	2,861
F91	2,236	287	378	2,901
F92	3,351	346	475	4,172
F93	4,671	426	497	5,594
F94	5,482	601	723	6,806
F95	3,801	610	530	4,941
F96	4,826	617	891	6,334
F97	4,771	650	852	6,273
F98	5,843	691	1,134	7,668
F99	6,063	667	1,414	8,144
F00	6,102	668	1,295	8,065
F01	6,126	668	1,061	7,855
F02	6,078	846	1,319	8,243
F03	6,995	956	1,917	9,868
F04	8,138	906	2,244	11,288
F05	10,230	1,166	2,601	13,997
F06	9,602	1,335	2,498	13,435
F07	5,225	1,001	2,250	8,476
F08	2,951	580	1,391	4,922
F09	1,728	404	800	2,932
F10	1,485	348	696	2,529
F11	1,369	245	450	2,064
F12	2,437	314	542	3,293
F13	3,508	436	1,060	5,004
F14	3,151	368	800	4,319
F15	3,963	540	933	5,436
F16	4,853	452	1,050	6,355
F17	5,171	482	1,248	6,901
F18	6,657	632	1,435	8,724
F19	7,099	663	1,611	9,373
F20	7,025	745	1,436	9,206

COMMERCIAL

YEAR	WESTERN REGION SALES	CENTRAL DIVISION SALES	EASTERN REGION SALES	TOTAL
F80	NA	NA	NA	337
F81	NA	NA	NA	265
F82		NOT TRACKED		0
F83		NOT TRACKED		0
F84		NOT TRACKED		0
F85		NOT TRACKED		0
F86		NOT TRACKED		0
F87		NOT TRACKED		0
F88		NOT TRACKED		0
F89		NOT TRACKED		0
F90	274	129	165	568
F91	245	116	178	539
F92	256	113	183	552
F93	345	111	208	664
F94	297	99	88	484
F95	274	126	108	508
F96	345	113	174	632
F97	439	109	156	704
F98	419	109	200	728
F99	509	141	224	874
F00	460	154	167	781
F01	421	133	191	745
F02	396	87	204	687
F03	362	64	192	618
F04	424	61	228	713
F05	559	110	245	914
F06	682	80	292	1,054
F07	695	116	286	1,097
F08	415	108	240	763
F09	100	53	86	239
F10	94	30	78	202
F11	107	25	62	194
F12	145	31	57	233
F13	209	39	95	343
F14	185	45	91	321
F15	196	54	73	323
F16	212	32	87	331
F17	236	44	106	386
F18	206	46	101	353
F19	295	36	155	486
F20	217	45	138	400

CONVERSIONS ONLY

RESIDENTIAL

YEAR	WESTERN REGION SALES	CENTRAL DIVISION SALES	EASTERN REGION SALES	CO. TOTAL
F80	NA	NA	NA	928
F81	NA	NA	NA	369
F82	NA	NA	NA	940
F83	NA	NA	NA	937
F84	NA	NA	NA	1,106
F85	681	127	392	1,200
F86	724	121	330	1,175
F87	516	88	302	906
F88	557	153	335	1,045
F89	911	232	424	1,567
F90	1,112	234	584	1,930
F91	1,721	270	778	2,769
F92	1,989	306	903	3,198
F93	2,007	366	1,044	3,417
F94	1,944	324	1,054	3,322
F95	1,459	354	983	2,796
F96	1,439	364	1,033	2,836
F97	1,374	394	1,170	2,938
F98	1,186	481	1,378	3,045
F99	1,140	404	1,332	2,876
F00	1,070	352	1,017	2,439
F01	661	237	532	1,430
F02	860	322	711	1,893
F03	836	296	651	1,783
F04	567	233	397	1,197
F05	575	319	454	1,348
F06	383	172	257	812
F07	310	154	267	731
F08	294	185	321	800
F09	194	92	167	453
F10	238	131	186	555
F11	263	122	247	632
F12	322	136	320	778
F13	427	160	284	871
F14	484	120	297	901
F15	293	114	294	701
F16	368	113	224	705
F17	438	135	222	795
F18	404	133	239	776
F19	320	87	265	672
F20	342	51	264	657

COMMERCIAL

YEAR	WESTERN REGION SALES	CENTRAL DIVISION SALES	EASTERN REGION SALES	CO. TOTAL
F80	NA	NA	NA	145
F81	NA	NA	NA	142
F82		NOT TRACKED		-
F83		NOT TRACKED		-
F84		NOT TRACKED		-
F85		NOT TRACKED		-
F86		NOT TRACKED		-
F87		NOT TRACKED		-
F88		NOT TRACKED		-
F89		NOT TRACKED		-
F90	107	45	93	245
F91	123	46	85	254
F92	97	36	83	216
F93	162	41	99	302
F94	121	48	89	258
F95	105	49	67	221
F96	93	52	92	237
F97	116	42	81	239
F98	128	38	128	294
F99	78	60	76	214
F00	124	53	63	240
F01	48	43	52	143
F02	69	34	40	143
F03	48	26	40	114
F04	65	59	45	169
F05	40	20	53	113
F06	31	18	27	76
F07	32	23	36	91
F08	29	12	34	75
F09	16	23	26	65
F10	24	17	31	72
F11	21	13	37	71
F12	29	22	34	85
F13	35	11	45	91
F14	32	24	51	107
F15	29	16	26	71
F16	35	24	33	92
F17	50	11	27	88
F18	43	18	55	116
F19	33	25	31	89
F20	43	16	36	95

Intermountain Gas Company

Customer Forecast – Base Case Scenario

Integrated Resource Plan 2021 – 2026

Exhibit No. 2
Section C

TOTAL IGC SALES FORECAST
ANNUAL RESIDENTIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	4,359	2,824	2,879	2,935	1,944	2,240
Boise	4,962	4,541	4,998	5,071	5,088	5,300
Twin Falls	1,291	**1,278**	1,104	1,070	1,161	1,049
Pocatello	737	860	883	864	914	860
Idaho Falls	1,673	1,245	1,274	1,204	1,213	1,256
RS Total	13,023	10,748	11,139	11,144	10,320	10,705

ANNUAL COMMERCIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	82	92	91	92	93	93
Boise	157	166	171	172	172	172
Twin Falls	71	64	64	65	65	65
Pocatello	34	45	36	37	39	38
Idaho Falls	104	106	107	107	107	107
GS Total	450	474	470	472	476	475

TOTAL GROWTH FORECAST - by District

	2021	2022	2023	2024	2025	2026
Nampa	4,441	2,917	2,969	3,027	2,036	2,333
Boise	5,120	4,707	5,170	5,242	5,260	5,471
Twin Falls	1,362	**1,342**	1,169	1,135	1,227	1,115
Pocatello	771	905	919	901	953	898
Idaho Falls	1,778	1,351	1,381	1,311	1,320	1,363
Total	**13,472**	**11,221**	**11,608**	**11,617**	**10,796**	**11,180**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	3,363	2,413	2,497	2,552	2,044	1,984
Sun Valley	277	188	196	204	155	188
IF Lateral	1,827	1,398	1,435	1,358	1,359	1,402
N of State St	1,786	1,846	1,909	1,974	2,041	2,111
Central Ada Mix	957	974	991	1,009	1,027	1,046
All Other	4,814	3,929	4,110	4,047	3,694	3,976
Total	13,023	10,748	11,139	11,144	10,320	10,705

ANNUAL COMMERCIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	74	80	79	79	80	80
Sun Valley	8	10	9	9	9	9
IF Lateral	118	119	119	119	119	119
N of State St	51	57	58	58	58	59
Central Ada Mix	45	49	50	51	51	51
All Other	154	159	155	156	159	157
Total	450	474	470	472	476	475

TOTAL GROWTH FORECAST - by AOI

	2021	2022	2023	2024	2025	2026
Canyon Cnty	3,437	2,493	2,576	2,631	2,123	2,064
Sun Valley	285	**198**	205	213	164	197
IF Lateral	1,945	1,517	1,554	1,477	1,478	1,521
N of State St	1,837	1,903	1,967	2,032	2,100	2,169
Central Ada Mix	1,001	1,023	1,042	1,060	1,078	1,097
All Other	4,967	4,087	4,264	4,203	3,852	4,133
Total	13,472	**11,221**	**11,608**	**11,617**	**10,796**	**11,180**

CUSTOMER COUNT FORECAST
BASE CASE

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	CUST COUNT	Base					
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	65,644	70,003	72,827	75,706	78,641	80,584	82,824
Boise	167,630	172,592	177,133	182,132	187,202	192,291	197,590
Twin Falls	40,542	41,833	43,110	44,215	45,285	46,446	47,496
Pocatello	34,865	35,602	36,463	37,346	38,210	39,124	39,984
Idaho Falls	44,195	45,868	47,113	48,387	49,591	50,804	52,060
RS Total	352,876	365,899	376,647	387,785	398,929	409,249	419,954

ANNUAL COMMERCIAL GROWTH - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	5,516	5,598	5,691	5,782	5,874	5,966	6,059
Boise	12,949	13,106	13,272	13,444	13,615	13,787	13,959
Twin Falls	6,100	6,171	6,236	6,300	6,365	6,430	6,495
Pocatello	4,497	4,531	4,576	4,612	4,649	4,688	4,726
Idaho Falls	5,380	5,484	5,591	5,698	5,805	5,912	6,019
GS Total	34,442	34,892	35,365	35,835	36,307	36,783	37,258

TOTAL GROWTH FORECAST - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	71,160	75,601	78,518	81,488	84,514	86,550	88,884
Boise	180,579	185,699	190,406	195,575	200,817	206,077	211,549
Twin Falls	46,642	48,004	49,346	50,514	51,649	52,876	53,991
Pocatello	39,362	40,133	41,038	41,958	42,859	43,812	44,710
Idaho Falls	49,575	51,353	52,704	54,085	55,397	56,717	58,079
Total	387,318	**400,790**	**412,012**	**423,620**	**435,236**	**446,032**	**457,212**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	53,523	56,886	59,298	61,796	64,347	66,391	68,375
Sun Valley	11,077	11,354	11,542	11,738	11,942	12,097	12,285
IF Lateral	51,977	53,804	55,202	56,638	57,995	59,354	60,756
N of State St	52,518	54,304	56,150	58,059	60,033	62,074	64,185
Central Ada Mix	53,142	54,099	55,072	56,064	57,073	58,100	59,146
All Other	130,639	135,453	139,381	143,491	147,538	151,232	155,208
Total	352,876	365,899	376,647	387,785	398,929	409,249	419,954

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	4,233	4,307	4,388	4,467	4,546	4,625	4,705
Sun Valley	1,492	1,500	1,510	1,519	1,528	1,537	1,547
IF Lateral	6,412	6,530	6,649	6,768	6,887	7,006	7,126
N of State St	4,301	4,352	4,409	4,467	4,525	4,584	4,642
Central Ada Mix	3,730	3,775	3,824	3,874	3,925	3,975	4,026
All Other	14,274	14,428	14,586	14,741	14,897	15,055	15,213
Total	34,442	34,892	35,365	35,835	36,307	36,783	37,258

TOTAL GROWTH FORECAST - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	57,756	61,193	63,686	66,262	68,893	71,016	73,080
Sun Valley	12,569	12,854	13,052	13,257	13,470	13,635	13,831
IF Lateral	58,389	60,334	61,851	63,405	64,882	66,361	67,882
N of State St	56,819	58,656	60,559	62,526	64,558	66,658	68,827
Central Ada Mix	56,872	57,873	58,896	59,938	60,997	62,075	63,172
All Other	144,913	149,880	153,968	158,232	162,435	166,287	170,420
Total	387,318	400,790	412,012	423,620	435,236	446,032	457,212

BASE CASE
GROWTH DETAIL

					2021 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,628	4,536	222	4,757
Bannock	Pocatello	All Other	67%	15%	840	563	82	645
Bear Lake	Pocatello	All Other	67%	15%	40	27	4	31
Bingham	Pocatello	IF Lateral	67%	15%	200	134	20	154
Blaine	Twin Falls	Sun Valley	73%	12%	180	131	16	147
Bonneville	Idaho Falls	IF Lateral	66%	15%	927	612	90	701
Canyon	Nampa	Canyon Cnty	89%	5%	3,812	3,393	166	3,559
Caribou	Pocatello	All Other	67%	15%	(140)	(94)	(14)	(108)
Cassia	Twin Falls	All Other	73%	12%	10	7	1	8
Elmore	Boise	All Other	98%	5%	200	196	10	205
Fremont	Idaho Falls	IF Lateral	66%	15%	90	59	9	68
Gem	Nampa	N of State St	89%	5%	90	80	4	84
Gooding	Twin Falls	All Other	73%	12%	65	47	6	53
Jefferson	Idaho Falls	IF Lateral	66%	15%	290	191	28	219
Jerome	Twin Falls	All Other	73%	12%	140	102	12	114
Lincoln	Twin Falls	Sun Valley	73%	12%	160	117	14	131
Madison	Idaho Falls	IF Lateral	66%	15%	905	597	87	685
Minidoka	Twin Falls	All Other	73%	12%	(200)	(146)	(17)	(163)
Owyhee	Nampa	Canyon Cnty	89%	5%	(210)	(187)	(9)	(196)
Payette	Nampa	All Other	89%	5%	177	158	8	165
Power	Pocatello	All Other	67%	15%	20	13	2	15
Twin Falls	Twin Falls	All Other	73%	12%	1,227	895	106	1,001
Washington	Nampa	All Other	89%	5%	800	712	35	747
					14,250			13,023

BASE CASE
GROWTH DETAIL

					2022 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,214	4,130	202	4,332
Bannock	Pocatello	All Other	67%	15%	840	563	82	645
Bear Lake	Pocatello	All Other	67%	15%	70	47	7	54
Bingham	Pocatello	IF Lateral	67%	15%	200	134	20	154
Blaine	Twin Falls	Sun Valley	73%	12%	170	124	15	139
Bonneville	Idaho Falls	IF Lateral	66%	15%	814	537	79	616
Canyon	Nampa	Canyon Cnty	89%	5%	2,605	2,318	113	2,432
Caribou	Pocatello	All Other	67%	15%	(10)	(7)	(1)	(8)
Cassia	Twin Falls	All Other	73%	12%	50	37	4	41
Elmore	Boise	All Other	98%	5%	204	199	10	209
Fremont	Idaho Falls	IF Lateral	66%	15%	90	59	9	68
Gem	Nampa	N of State St	89%	5%	100	89	4	93
Gooding	Twin Falls	All Other	73%	12%	116	85	10	95
Jefferson	Idaho Falls	IF Lateral	66%	15%	200	132	19	151
Jerome	Twin Falls	All Other	73%	12%	140	102	12	114
Lincoln	Twin Falls	Sun Valley	73%	12%	60	44	5	49
Madison	Idaho Falls	IF Lateral	66%	15%	541	357	52	409
Minidoka	Twin Falls	All Other	73%	12%	-	-	-	-
Owyhee	Nampa	Canyon Cnty	89%	5%	(20)	(18)	(1)	(19)
Payette	Nampa	All Other	89%	5%	181	161	8	169
Power	Pocatello	All Other	67%	15%	20	13	2	15
Twin Falls	Twin Falls	All Other	73%	12%	1,029	752	89	840
Washington	Nampa	All Other	89%	5%	160	142	7	149
					11,773	10,001	747	10,748

BASE CASE
GROWTH DETAIL

					2023 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,707	4,613	226	4,838
Bannock	Pocatello	All Other	67%	15%	850	570	83	653
Bear Lake	Pocatello	All Other	67%	15%	80	54	8	61
Bingham	Pocatello	IF Lateral	67%	15%	210	141	21	161
Blaine	Twin Falls	Sun Valley	73%	12%	180	131	16	147
Bonneville	Idaho Falls	IF Lateral	66%	15%	821	542	79	622
Canyon	Nampa	Canyon Cnty	89%	5%	2,705	2,408	118	2,525
Caribou	Pocatello	All Other	67%	15%	(10)	(7)	(1)	(8)
Cassia	Twin Falls	All Other	73%	12%	50	37	4	41
Elmore	Boise	All Other	98%	5%	156	153	7	160
Fremont	Idaho Falls	IF Lateral	66%	15%	100	66	10	76
Gem	Nampa	N of State St	89%	5%	100	89	4	93
Gooding	Twin Falls	All Other	73%	12%	118	86	10	96
Jefferson	Idaho Falls	IF Lateral	66%	15%	200	132	19	151
Jerome	Twin Falls	All Other	73%	12%	150	110	13	122
Lincoln	Twin Falls	Sun Valley	73%	12%	60	44	5	49
Madison	Idaho Falls	IF Lateral	66%	15%	562	371	54	426
Minidoka	Twin Falls	All Other	73%	12%	(10)	(7)	(1)	(8)
Owyhee	Nampa	Canyon Cnty	89%	5%	(30)	(27)	(1)	(28)
Payette	Nampa	All Other	89%	5%	138	123	6	129
Power	Pocatello	All Other	67%	15%	20	13	2	15
Twin Falls	Twin Falls	All Other	73%	12%	805	587	69	657
Washington	Nampa	All Other	89%	5%	170	151	7	159
					12,133	10,379	759	11,139

BASE CASE
GROWTH DETAIL

					2024 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,775	4,679	229	4,908
Bannock	Pocatello	All Other	67%	15%	870	583	85	668
Bear Lake	Pocatello	All Other	67%	15%	35	23	3	27
Bingham	Pocatello	IF Lateral	67%	15%	200	134	20	154
Blaine	Twin Falls	Sun Valley	73%	12%	190	139	16	155
Bonneville	Idaho Falls	IF Lateral	66%	15%	717	473	69	542
Canyon	Nampa	Canyon Cnty	89%	5%	2,753	2,451	120	2,570
Caribou	Pocatello	All Other	67%	15%	-	-	-	-
Cassia	Twin Falls	All Other	73%	12%	50	37	4	41
Elmore	Boise	All Other	98%	5%	158	155	8	162
Fremont	Idaho Falls	IF Lateral	66%	15%	90	59	9	68
Gem	Nampa	N of State St	89%	5%	100	89	4	93
Gooding	Twin Falls	All Other	73%	12%	121	88	10	98
Jefferson	Idaho Falls	IF Lateral	66%	15%	200	132	19	151
Jerome	Twin Falls	All Other	73%	12%	130	95	11	106
Lincoln	Twin Falls	Sun Valley	73%	12%	60	44	5	49
Madison	Idaho Falls	IF Lateral	66%	15%	585	386	57	443
Minidoka	Twin Falls	All Other	73%	12%	(10)	(7)	(1)	(8)
Owyhee	Nampa	Canyon Cnty	89%	5%	(20)	(18)	(1)	(19)
Payette	Nampa	All Other	89%	5%	140	125	6	131
Power	Pocatello	All Other	67%	15%	20	13	2	15
Twin Falls	Twin Falls	All Other	73%	12%	771	563	66	629
Washington	Nampa	All Other	89%	5%	170	151	7	159
					12,105	10,394	750	11,144

BASE CASE
GROWTH DETAIL

					2025 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,790	4,694	230	4,923
Bannock	Pocatello	All Other	67%	15%	850	570	83	653
Bear Lake	Pocatello	All Other	67%	15%	50	34	5	38
Bingham	Pocatello	IF Lateral	67%	15%	190	127	19	146
Blaine	Twin Falls	Sun Valley	73%	12%	180	131	16	147
Bonneville	Idaho Falls	IF Lateral	66%	15%	695	459	67	526
Canyon	Nampa	Canyon Cnty	89%	5%	2,099	1,868	91	1,960
Caribou	Pocatello	All Other	67%	15%	80	54	8	61
Cassia	Twin Falls	All Other	73%	12%	80	58	7	65
Elmore	Boise	All Other	98%	5%	160	157	8	165
Fremont	Idaho Falls	IF Lateral	66%	15%	100	66	10	76
Gem	Nampa	N of State St	89%	5%	100	89	4	93
Gooding	Twin Falls	All Other	73%	12%	123	90	11	100
Jefferson	Idaho Falls	IF Lateral	66%	15%	200	132	19	151
Jerome	Twin Falls	All Other	73%	12%	140	102	12	114
Lincoln	Twin Falls	Sun Valley	73%	12%	10	7	1	8
Madison	Idaho Falls	IF Lateral	66%	15%	608	401	59	460
Minidoka	Twin Falls	All Other	73%	12%	130	95	11	106
Owyhee	Nampa	Canyon Cnty	89%	5%	90	80	4	84
Payette	Nampa	All Other	89%	5%	143	127	6	133
Power	Pocatello	All Other	67%	15%	20	13	2	15
Twin Falls	Twin Falls	All Other	73%	12%	760	555	65	620
Washington	Nampa	All Other	89%	5%	(350)	(312)	(15)	(327)
					11,248	9,598	722	10,320

BASE CASE
GROWTH DETAIL

					2026 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	4,993	4,893	239	5,132
Bannock	Pocatello	All Other	67%	15%	880	590	86	676
Bear Lake	Pocatello	All Other	67%	15%	-	-	-	-
Bingham	Pocatello	IF Lateral	67%	15%	190	127	19	146
Blaine	Twin Falls	Sun Valley	73%	12%	190	139	16	155
Bonneville	Idaho Falls	IF Lateral	66%	15%	717	473	69	543
Canyon	Nampa	Canyon Cnty	89%	5%	2,125	1,891	92	1,984
Caribou	Pocatello	All Other	67%	15%	20	13	2	15
Cassia	Twin Falls	All Other	73%	12%	50	37	4	41
Elmore	Boise	All Other	98%	5%	163	160	8	167
Fremont	Idaho Falls	IF Lateral	66%	15%	100	66	10	76
Gem	Nampa	N of State St	89%	5%	100	89	4	93
Gooding	Twin Falls	All Other	73%	12%	94	69	8	77
Jefferson	Idaho Falls	IF Lateral	66%	15%	210	139	20	159
Jerome	Twin Falls	All Other	73%	12%	140	102	12	114
Lincoln	Twin Falls	Sun Valley	73%	12%	40	29	3	33
Madison	Idaho Falls	IF Lateral	66%	15%	633	418	61	479
Minidoka	Twin Falls	All Other	73%	12%	20	15	2	16
Owyhee	Nampa	Canyon Cnty	89%	5%	-	-	-	-
Payette	Nampa	All Other	89%	5%	145	129	6	135
Power	Pocatello	All Other	67%	15%	30	20	3	23
Twin Falls	Twin Falls	All Other	73%	12%	752	549	65	614
Washington	Nampa	All Other	89%	5%	30	27	1	28
					11,621	9,973	732	10,705

BASE CASE
DATA INPUTS

Source: 2020 Economic Forecast (BASE, HIGH, LOW)

From John Churchs' HouseHold forecast by County

HOUSEHOLDS

ALL IDAHO COUNTIES	2020	2021	2022	2023	2024	2025	2026
Ada	186,718	191,346	195,560	200,267	205,042	209,831	214,824
Adams	1,880	1,910	1,950	1,980	2,020	2,050	2,090
Bannock	35,500	36,340	37,180	38,030	38,900	39,750	40,630
Bear Lake	2,430	2,470	2,540	2,620	2,655	2,705	2,705
Benewah	3,950	3,970	3,990	4,010	4,020	4,040	4,050
Bingham	15,760	15,960	16,160	16,370	16,570	16,760	16,950
Blaine	9,950	10,130	10,300	10,480	10,670	10,850	11,040
Boise	2,880	2,750	2,750	2,740	2,740	2,800	2,820
Bonner	20,650	20,900	21,140	21,390	21,630	21,850	22,070
Bonneville	44,402	45,329	46,143	46,964	47,681	48,376	49,093
Boundary	5,150	5,230	5,310	5,390	5,470	5,540	5,620
Butte	1,050	1,050	1,060	1,070	1,080	1,080	1,090
Camas	490	500	510	530	540	560	570
Canyon	81,323	85,135	87,740	90,445	93,198	95,298	97,423
Caribou	2,760	2,620	2,610	2,600	2,600	2,680	2,700
Cassia	8,450	8,460	8,510	8,560	8,610	8,690	8,740
Clark	360	360	360	360	350	350	350
Clearwater	3,820	3,860	3,880	3,910	3,940	3,960	3,980
Custer	1,930	1,960	2,000	2,040	2,080	2,110	2,150
Elmore	9,976	10,175	10,379	10,534	10,692	10,853	11,015
Franklin	4,380	4,470	4,560	4,640	4,730	4,820	4,910
Fremont	4,670	4,760	4,850	4,950	5,040	5,140	5,240
Gem	6,780	6,870	6,970	7,070	7,170	7,270	7,370
Gooding	5,728	5,793	5,909	6,027	6,148	6,270	6,365
Idaho	7,140	7,260	7,380	7,500	7,620	7,740	7,860
Jefferson	9,540	9,830	10,030	10,230	10,430	10,630	10,840
Jerome	8,410	8,550	8,690	8,840	8,970	9,110	9,250
Kootenai	64,810	66,050	67,260	68,470	69,650	70,780	71,930
Latah	16,020	16,140	16,240	16,330	16,400	16,460	16,520
Lemhi	3,570	3,600	3,630	3,670	3,690	3,720	3,750
Lewis	1,870	1,890	1,910	1,920	1,940	1,950	1,960
Lincoln	1,740	1,900	1,960	2,020	2,080	2,090	2,130
Madison	12,615	13,520	14,061	14,623	15,208	15,816	16,449
Minidoka	7,835	7,635	7,635	7,625	7,615	7,745	7,765
Nez Perce	16,920	16,930	17,070	17,210	17,360	17,580	17,740
Oneida	1,645	1,585	1,585	1,595	1,595	1,635	1,645
Owyhee	4,130	3,920	3,900	3,870	3,850	3,940	3,940
Payette	8,864	9,041	9,222	9,360	9,501	9,643	9,788
Power	2,725	2,745	2,765	2,785	2,805	2,825	2,855
Shoshone	5,730	5,770	5,800	5,820	5,840	5,860	5,880
Teton	4,390	4,600	4,830	5,070	5,320	5,580	5,840
Twin Falls	35,048	36,275	37,304	38,109	38,880	39,640	40,392
Valley	1,190	1,214	1,238	1,263	1,288	1,314	1,340
Washington	4,150	4,950	5,110	5,280	5,450	5,100	5,130
State of Idaho	679,328	695,752	709,979	724,567	739,067	752,791	766,798

HOUSEHOLDS

COUNTIES IN IGC SERVICE AREA	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Ada	186,718	191,346	195,560	200,267	205,042	209,831	214,824
Bannock	35,500	36,340	37,180	38,030	38,900	39,750	40,630
Bear Lake	2,430	2,470	2,540	2,620	2,655	2,705	2,705
Bingham	15,760	15,960	16,160	16,370	16,570	16,760	16,950
Blaine	9,950	10,130	10,300	10,480	10,670	10,850	11,040
Bonneville	44,402	45,329	46,143	46,964	47,681	48,376	49,093
Canyon	81,323	85,135	87,740	90,445	93,198	95,298	97,423
Caribou	2,760	2,620	2,610	2,600	2,600	2,680	2,700
Cassia	8,450	8,460	8,510	8,560	8,610	8,690	8,740
Elmore	9,976	10,175	10,379	10,534	10,692	10,853	11,015
Fremont	4,670	4,760	4,850	4,950	5,040	5,140	5,240
Gem	6,780	6,870	6,970	7,070	7,170	7,270	7,370
Gooding	5,728	5,793	5,909	6,027	6,148	6,270	6,365
Jefferson	9,540	9,830	10,030	10,230	10,430	10,630	10,840
Jerome	8,410	8,550	8,690	8,840	8,970	9,110	9,250
Lincoln	1,740	1,900	1,960	2,020	2,080	2,090	2,130
Madison	12,615	13,520	14,061	14,623	15,208	15,816	16,449
Minidoka	7,835	7,635	7,635	7,625	7,615	7,745	7,765
Owyhee	4,130	3,920	3,900	3,870	3,850	3,940	3,940
Payette	8,864	9,041	9,222	9,360	9,501	9,643	9,788
Power	2,725	2,745	2,765	2,785	2,805	2,825	2,855
Twin Falls	35,048	36,275	37,304	38,109	38,880	39,640	40,392
Washington	4,150	4,950	5,110	5,280	5,450	5,100	5,130
	509,503	523,753	535,526	547,659	559,764	571,012	582,633
		14,250	11,773	12,133	12,105	11,248	11,621

HOUSEHOLD GROWTH

		2021	**2022**	**2023**	**2024**	**2025**	**2026**
Ada		4,628	4,214	4,707	4,775	4,790	4,993
Bannock		840	840	850	870	850	880
Bear Lake		40	70	80	35	50	-
Bingham		200	200	210	200	190	190
Blaine		180	170	180	190	180	190
Bonneville		927	814	821	717	695	717
Canyon		3,812	2,605	2,705	2,753	2,099	2,125
Caribou		(140)	(10)	(10)	-	80	20
Cassia		10	50	50	50	80	50
Elmore		200	204	156	158	160	163
Fremont		90	90	100	90	100	100
Gem		90	100	100	100	100	100
Gooding		65	116	118	121	123	94
Jefferson		290	200	200	200	200	210
Jerome		140	140	150	130	140	140
Lincoln		160	60	60	60	10	40
Madison		905	541	562	585	608	633
Minidoka		(200)	-	(10)	(10)	130	20
Owyhee		(210)	(20)	(30)	(20)	90	-
Payette		177	181	138	140	143	145
Power		20	20	20	20	20	30
Twin Falls		1,227	1,029	805	771	760	752
Washington		800	160	170	170	(350)	30
total change for IGC's area		14,250	11,773	12,133	12,105	11,248	11,621
	check		0	(0)	0	0	(0)

DATA MAPPING
BASE/LOW/HIGH

COUNTY	TOWN	IGC District	IRP Node	IGC District Comments	IGC District Comments
Ada	Star	Boise	N of State St	Nampa	N of State St
Ada	Kuna	Boise	N of State St		All Other
Ada	Meridian	Boise	N of State St		Central Ada Mix
Ada	Eagle	Boise	N of State St		N of State St
Ada	Garden City	Boise	N of State St		N of State St
Ada	Boise	Boise	N of State St		Central Ada Mix
Bannock	Lava Hot Springs	Pocatello	All Other		
Bannock	Chubbuck	Pocatello	All Other		
Bannock	McCammon	Pocatello	All Other		
Bannock	Inkom	Pocatello	All Other		
Bannock	Pocatello	Pocatello	All Other		
Bannock	Arimo	Pocatello	All Other		
Bear Lake	Georgetown	Pocatello	All Other		
Bear Lake	Montpelier	Pocatello	All Other		
Bingham	Moreland-Riverside	Pocatello	IF Lateral		
Bingham	Fort Hall	Pocatello	IF Lateral		
Bingham	Blackfoot	Pocatello	IF Lateral		
Bingham	Basalt	Pocatello	IF Lateral	Idaho Falls	
Bingham	Firth	Pocatello	IF Lateral	Idaho Falls	
Bingham	Shelley	Pocatello	IF Lateral	Idaho Falls	
Bingham	Aberdeen	Pocatello	All Other		
Blaine	Sun Valley	Twin Falls	Sun Valley		
Blaine	Ketchum	Twin Falls	Sun Valley		
Blaine	Hailey	Twin Falls	Sun Valley		
Blaine	Bellevue	Twin Falls	Sun Valley		
Bonneville	Ammon	Idaho Falls	IF Lateral		
Bonneville	Idaho Falls	Idaho Falls	IF Lateral		
Bonneville	Iona	Idaho Falls	IF Lateral		
Bonneville	Ucon	Idaho Falls	IF Lateral		
Canyon	Caldwell	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Parma	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Greenleaf	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Wilder	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Middleton	Nampa	Canyon Cnty		N of State St
Canyon	Nampa	Nampa	Canyon Cnty		Canyon Cnty
Caribou	Bancroft	Pocatello	All Other		
Caribou	Grace	Pocatello	All Other		
Caribou	Soda Springs	Pocatello	All Other		
Cassia	Burley	Twin Falls	All Other		
Cassia	Declo	Twin Falls	All Other		
Cassia	Malta	Twin Falls	All Other		
Cassia	Raft River	Twin Falls	All Other		
Elmore	Mountain Home	Boise	All Other		
Elmore	Hammett	Boise	All Other		
Elmore	Glenns Ferry	Boise	All Other		
Fremont	Parker	Idaho Falls	IF Lateral		
Fremont	St. Anthony	Idaho Falls	IF Lateral		
Gem	Emmett	Nampa	N of State St		
Gooding	Gooding	Twin Falls	All Other		
Gooding	Wendell	Twin Falls	All Other		
Jefferson	Rigby	Idaho Falls	IF Lateral		
Jefferson	Ririe	Idaho Falls	IF Lateral		
Jefferson	Lewisville	Idaho Falls	IF Lateral		
Jefferson	Menan	Idaho Falls	IF Lateral		
Jerome	Jerome	Twin Falls	All Other		
Lincoln	Shoshone	Twin Falls	Sun Valley		
Madison	Rexburg	Idaho Falls	IF Lateral		
Madison	Sugar City	Idaho Falls	IF Lateral		
Minidoka	Heyburn	Twin Falls	All Other		
Minidoka	Rupert	Twin Falls	All Other		
Minidoka	Paul	Twin Falls	All Other		
Owyhee	Homedale	Nampa	Canyon Cnty		Canyon Cnty
Owyhee	Bruneau	Nampa	All Other		All Other
Payette	Payette	Nampa	All Other		
Payette	Fruitland	Nampa	All Other		
Payette	New Plymouth	Nampa	All Other		
Power	American Falls	Pocatello	All Other		
Twin Falls	Buhl	Twin Falls	All Other		
Twin Falls	Filer	Twin Falls	All Other		
Twin Falls	Twin Falls	Twin Falls	All Other		
Twin Falls	Kimberly	Twin Falls	All Other		
Twin Falls	Hansen	Twin Falls	All Other		
Twin Falls	Murtaugh	Twin Falls	All Other		
Washington	Weiser	Nampa	All Other		

IGC District	Market Share %	Conversion %
Nampa	89.00%	4.89%
Boise	98.00%	4.89%
Twin Falls	73.00%	11.80%
Pocatello	67.00%	14.64%
Idaho Falls	66.00%	14.64%
	Updated	Updated

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	All Other
Acts	Jan-20	2020	1	4162	1486	6291	12657	9401
Acts	Feb-20	2020	2	4168	1485	6299	12686	9409
Acts	Mar-20	2020	3	4179	1487	6317	12696	9420
Acts	Apr-20	2020	4	4180	1487	6310	12692	9414
Acts	May-20	2020	5	4170	1483	6305	12675	9401
Acts	Jun-20	2020	6	4173	1483	6298	12670	9400
Acts	Jul-20	2020	7	4184	1483	6286	12665	9391
Acts	Aug-20	2020	8	4184	1478	6288	12656	9377
Acts	Sep-20	2020	9	4176	1481	6284	12661	9374
Acts	Oct-20	2020	10	4177	1486	6304	12685	9401
Acts	Nov-20	2020	11	4196	1492	6338	12750	9457
Acts	Dec-20	2020	12	4233	1492	6412	12822	9483
Acts	Jan-21	2021	1	4245	1493	6430	12853	9509
Acts	Feb-21	2021	2	4257	1491	6454	12873	9522
Acts	Mar-21	2021	3	4271	1491	6474	12879	9538
136	Apr-21	2021	4	4267	1490	6473	12870	9533
137	May-21	2021	5	4260	1488	6463	12850	9521
138	Jun-21	2021	6	4253	1486	6446	12834	9497
139	Jul-21	2021	7	4248	1484	6427	12814	9471
140	Aug-21	2021	8	4246	1484	6413	12805	9453
141	Sep-21	2021	9	4241	1486	6408	12801	9445
142	Oct-21	2021	10	4256	1490	6429	12831	9479
143	Nov-21	2021	11	4282	1496	6475	12898	9538
144	Dec-21	2021	12	4307	1500	6530	12975	9579
145	Jan-22	2022	1	4342	1501	6563	13023	9613
146	Feb-22	2022	2	4344	1502	6578	13037	9621
147	Mar-22	2022	3	4350	1502	6595	13043	9627
148	Apr-22	2022	4	4347	1501	6591	13033	9622
149	May-22	2022	5	4340	1499	6580	13013	9611
150	Jun-22	2022	6	4333	1497	6564	12995	9590
151	Jul-22	2022	7	4328	1495	6545	12972	9569
152	Aug-22	2022	8	4326	1494	6532	12964	9553
153	Sep-22	2022	9	4321	1496	6527	12958	9546
154	Oct-22	2022	10	4335	1501	6547	12994	9581
155	Nov-22	2022	11	4362	1506	6594	13065	9636
156	Dec-22	2022	12	4388	1510	6649	13144	9675
157	Jan-23	2023	1	4421	1510	6682	13194	9703
158	Feb-23	2023	2	4423	1511	6696	13210	9711
159	Mar-23	2023	3	4429	1511	6713	13218	9716
160	Apr-23	2023	4	4427	1510	6709	13208	9710
161	May-23	2023	5	4419	1508	6699	13187	9700
162	Jun-23	2023	6	4413	1506	6682	13169	9681
163	Jul-23	2023	7	4408	1504	6664	13146	9661
164	Aug-23	2023	8	4405	1504	6651	13138	9646
165	Sep-23	2023	9	4400	1506	6646	13132	9639
166	Oct-23	2023	10	4415	1510	6667	13167	9672
167	Nov-23	2023	11	4441	1515	6713	13238	9727
168	Dec-23	2023	12	4467	1519	6768	13317	9765
169	Jan-24	2024	1	4500	1519	6802	13367	9795
170	Feb-24	2024	2	4502	1520	6816	13383	9802
171	Mar-24	2024	3	4508	1520	6833	13391	9808
172	Apr-24	2024	4	4505	1519	6829	13380	9802
173	May-24	2024	5	4498	1517	6818	13360	9791
174	Jun-24	2024	6	4491	1515	6802	13343	9771
175	Jul-24	2024	7	4486	1513	6783	13319	9750
176	Aug-24	2024	8	4484	1512	6770	13312	9734
177	Sep-24	2024	9	4479	1514	6766	13306	9727
178	Oct-24	2024	10	4494	1519	6786	13341	9761
179	Nov-24	2024	11	4520	1524	6833	13412	9817
180	Dec-24	2024	12	4546	1528	6887	13491	9856
181	Jan-25	2025	1	4580	1529	6921	13542	9886
182	Feb-25	2025	2	4582	1529	6935	13557	9894
183	Mar-25	2025	3	4588	1529	6952	13565	9900
184	Apr-25	2025	4	4585	1528	6949	13555	9895
185	May-25	2025	5	4578	1526	6938	13535	9884
186	Jun-25	2025	6	4571	1524	6921	13517	9864
187	Jul-25	2025	7	4566	1522	6903	13494	9843
188	Aug-25	2025	8	4564	1522	6890	13487	9828
189	Sep-25	2025	9	4559	1524	6885	13481	9820
190	Oct-25	2025	10	4573	1528	6905	13515	9855
191	Nov-25	2025	11	4599	1534	6952	13587	9910
192	Dec-25	2025	12	4625	1537	7006	13665	9949
193	Jan-26	2026	1	4660	1538	7040	13716	9979
194	Feb-26	2026	2	4662	1538	7054	13732	9987
195	Mar-26	2026	3	4668	1538	7071	13739	9993
196	Apr-26	2026	4	4665	1537	7068	13729	9987
197	May-26	2026	5	4657	1536	7057	13709	9977
198	Jun-26	2026	6	4651	1533	7040	13692	9957
199	Jul-26	2026	7	4646	1531	7022	13668	9936
200	Aug-26	2026	8	4643	1531	7009	13661	9921
201	Sep-26	2026	9	4639	1533	7004	13655	9914
202	Oct-26	2026	10	4653	1538	7025	13690	9948
203	Nov-26	2026	11	4679	1543	7071	13761	10003
204	Dec-26	2026	12	4705	1547	7126	13840	10041

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	Central Ada Mix	All Other
Acts	Jan-20	2020	1	4162	1486	6291	4246	3682	14130
Acts	Feb-20	2020	2	4168	1485	6299	4255	3690	14149
Acts	Mar-20	2020	3	4179	1487	6317	4259	3693	14164
Acts	Apr-20	2020	4	4180	1487	6310	4257	3692	14156
Acts	May-20	2020	5	4170	1483	6305	4252	3687	14137
Acts	Jun-20	2020	6	4173	1483	6298	4250	3686	14135
Acts	Jul-20	2020	7	4184	1483	6286	4248	3684	14124
Acts	Aug-20	2020	8	4184	1478	6288	4245	3682	14106
Acts	Sep-20	2020	9	4176	1481	6284	4247	3683	14105
Acts	Oct-20	2020	10	4177	1486	6304	4255	3690	14140
Acts	Nov-20	2020	11	4196	1492	6338	4277	3709	14221
Acts	Dec-20	2020	12	4233	1492	6412	4301	3730	14274
Acts	Jan-21	2021	1	4245	1493	6430	4312	3739	14311
Acts	Feb-21	2021	2	4257	1491	6454	4318	3745	14332
Acts	Mar-21	2021	3	4271	1491	6474	4320	3747	14351
136	Apr-21	2021	4	4267	1490	6473	4317	3744	14342
137	May-21	2021	5	4260	1488	6463	4310	3738	14323
138	Jun-21	2021	6	4253	1486	6446	4305	3734	14293
139	Jul-21	2021	7	4248	1484	6427	4298	3728	14259
140	Aug-21	2021	8	4246	1484	6413	4295	3725	14238
141	Sep-21	2021	9	4241	1486	6408	4294	3724	14228
142	Oct-21	2021	10	4256	1490	6429	4304	3733	14274
143	Nov-21	2021	11	4282	1496	6475	4326	3752	14357
144	Dec-21	2021	12	4307	1500	6530	4352	3775	14428
145	Jan-22	2022	1	4342	1501	6563	4368	3789	14479
146	Feb-22	2022	2	4344	1502	6578	4373	3793	14493
147	Mar-22	2022	3	4350	1502	6595	4375	3794	14501
148	Apr-22	2022	4	4347	1501	6591	4372	3791	14492
149	May-22	2022	5	4340	1499	6580	4365	3785	14474
150	Jun-22	2022	6	4333	1497	6564	4359	3780	14446
151	Jul-22	2022	7	4328	1495	6545	4351	3774	14416
152	Aug-22	2022	8	4326	1494	6532	4349	3771	14397
153	Sep-22	2022	9	4321	1496	6527	4347	3770	14388
154	Oct-22	2022	10	4335	1501	6547	4359	3780	14436
155	Nov-22	2022	11	4362	1506	6594	4383	3801	14518
156	Dec-22	2022	12	4388	1510	6649	4409	3824	14586
157	Jan-23	2023	1	4421	1510	6682	4426	3838	14633
158	Feb-23	2023	2	4423	1511	6696	4431	3843	14647
159	Mar-23	2023	3	4429	1511	6713	4434	3845	14655
160	Apr-23	2023	4	4427	1510	6709	4430	3842	14646
161	May-23	2023	5	4419	1508	6699	4424	3836	14628
162	Jun-23	2023	6	4413	1506	6682	4417	3831	14602
163	Jul-23	2023	7	4408	1504	6664	4410	3824	14573
164	Aug-23	2023	8	4405	1504	6651	4407	3822	14555
165	Sep-23	2023	9	4400	1506	6646	4405	3820	14546
166	Oct-23	2023	10	4415	1510	6667	4417	3830	14592
167	Nov-23	2023	11	4441	1515	6713	4441	3851	14673
168	Dec-23	2023	12	4467	1519	6768	4467	3874	14741
169	Jan-24	2024	1	4500	1519	6802	4484	3889	14789
170	Feb-24	2024	2	4502	1520	6816	4489	3893	14802
171	Mar-24	2024	3	4508	1520	6833	4492	3895	14811
172	Apr-24	2024	4	4505	1519	6829	4488	3892	14802
173	May-24	2024	5	4498	1517	6818	4482	3887	14783
174	Jun-24	2024	6	4491	1515	6802	4476	3881	14756
175	Jul-24	2024	7	4486	1513	6783	4468	3875	14727
176	Aug-24	2024	8	4484	1512	6770	4465	3873	14708
177	Sep-24	2024	9	4479	1514	6766	4463	3871	14699
178	Oct-24	2024	10	4494	1519	6786	4475	3881	14746
179	Nov-24	2024	11	4520	1524	6833	4499	3902	14828
180	Dec-24	2024	12	4546	1528	6887	4525	3925	14897
181	Jan-25	2025	1	4580	1529	6921	4542	3939	14946
182	Feb-25	2025	2	4582	1529	6935	4548	3944	14959
183	Mar-25	2025	3	4588	1529	6952	4550	3946	14968
184	Apr-25	2025	4	4585	1528	6949	4547	3943	14960
185	May-25	2025	5	4578	1526	6938	4540	3937	14942
186	Jun-25	2025	6	4571	1524	6921	4534	3932	14915
187	Jul-25	2025	7	4566	1522	6903	4526	3925	14885
188	Aug-25	2025	8	4564	1522	6890	4524	3923	14867
189	Sep-25	2025	9	4559	1524	6885	4522	3922	14857
190	Oct-25	2025	10	4573	1528	6905	4534	3932	14905
191	Nov-25	2025	11	4599	1534	6952	4557	3952	14987
192	Dec-25	2025	12	4625	1537	7006	4584	3975	15055
193	Jan-26	2026	1	4660	1538	7040	4601	3990	15104
194	Feb-26	2026	2	4662	1538	7054	4606	3995	15117
195	Mar-26	2026	3	4668	1538	7071	4609	3997	15126
196	Apr-26	2026	4	4665	1537	7068	4605	3994	15117
197	May-26	2026	5	4657	1536	7057	4599	3988	15099
198	Jun-26	2026	6	4651	1533	7040	4593	3983	15073
199	Jul-26	2026	7	4646	1531	7022	4585	3976	15043
200	Aug-26	2026	8	4643	1531	7009	4583	3974	15025
201	Sep-26	2026	9	4639	1533	7004	4581	3972	15016
202	Oct-26	2026	10	4653	1538	7025	4592	3983	15063
203	Nov-26	2026	11	4679	1543	7071	4616	4003	15145
204	Dec-26	2026	12	4705	1547	7126	4642	4026	15213

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT 2020			
Canyon Cnty	4,233	4,233		
Sun Valley	1,492	1,492		
IF Lateral	6,412	6,412		
N of State St	12,822	4,301	4,301	33.54%
Central Ada Mix		3,730	3,730	29.09%
All Other	9,483	14,274	4,791	37.37%
Total	34,442	34,442	12,822	

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	283	100%
Chubbuck	Bannock	All Other	4807	100%
McCammon	Bannock	All Other	252	100%
Inkom	Bannock	All Other	240	100%
Pocatello	Bannock	All Other	16685	100%
Arimo	Bannock	All Other	81	100%
Georgetown	Bear Lake	All Other	184	100%
Montpelier	Bear Lake	All Other	1035	100%
Aberdeen	Bingham	All Other	477	6%
Bancroft	Caribou	All Other	158	100%
Grace	Caribou	All Other	554	100%
Soda Springs	Caribou	All Other	1138	100%
Burley	Cassia	All Other	2839	100%
Declo	Cassia	All Other	66	100%
Malta	Cassia	All Other	14	100%
Raft River	Cassia	All Other	17	100%
Mountain Home	Elmore	All Other	6234	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	382	100%
Gooding	Gooding	All Other	982	100%
Wendell	Gooding	All Other	638	100%
Jerome	Jerome	All Other	3074	100%
Heyburn	Minidoka	All Other	499	100%
Rupert	Minidoka	All Other	937	100%
Paul	Minidoka	All Other	164	100%
Bruneau	Owyhee	All Other	46	12%
Payette	Payette	All Other	2269	100%
Fruitland	Payette	All Other	1683	100%
New Plymouth	Payette	All Other	374	100%
American Falls	Power	All Other	1189	100%
Buhl	Twin Falls	All Other	1370	100%
Filer	Twin Falls	All Other	879	100%
Twin Falls	Twin Falls	All Other	16074	100%
Kimberly	Twin Falls	All Other	1591	100%
Hansen	Twin Falls	All Other	253	100%
Murtaugh	Twin Falls	All Other	68	100%
Weiser	Washington	All Other	1658	100%
Caldwell	Canyon	Canyon Cnty	17880	94%
Parma	Canyon	Canyon Cnty	517	94%
Greenleaf	Canyon	Canyon Cnty	214	94%
Wilder	Canyon	Canyon Cnty	272	94%
Nampa	Canyon	Canyon Cnty	34297	94%
Homedale	Owyhee	Canyon Cnty	343	88%
MORELAND/RIVERSIDE	Bingham	IF Lateral	432	94%
Fort Hall	Bingham	IF Lateral	164	94%
Blackfoot	Bingham	IF Lateral	4557	94%
Basalt	Bingham	IF Lateral	150	94%
Firth	Bingham	IF Lateral	353	94%
Shelley	Bingham	IF Lateral	2126	94%
Ammon	Bonneville	IF Lateral	6706	100%
Idaho Falls	Bonneville	IF Lateral	20552	100%
Iona	Bonneville	IF Lateral	1102	100%
Ucon	Bonneville	IF Lateral	933	100%
Parker	Fremont	IF Lateral	213	100%
St Anthony	Fremont	IF Lateral	1000	100%
Rigby	Jefferson	IF Lateral	4167	100%
Ririe	Jefferson	IF Lateral	402	100%
Lewisville	Jefferson	IF Lateral	168	100%
Menan	Jefferson	IF Lateral	240	100%
Rexburg	Madison	IF Lateral	7863	100%
Sugar City	Madison	IF Lateral	849	100%
Star	Ada	N of State St	4931	100%
Kuna	Ada	N of State St	7697	100%
Meridian	Ada	N of State St	40730	100%
Eagle	Ada	N of State St	12124	100%
Garden City	Ada	N of State St	4390	100%
Boise	Ada	N of State St	91140	100%
Middleton	Canyon	N of State St	3285	6%
Emmett	Gem	N of State St	2806	100%
Sun Valley	Blaine	Sun Valley	1943	100%
Ketchum	Blaine	Sun Valley	3994	100%
Hailey	Blaine	Sun Valley	3685	100%
Bellevue	Blaine	Sun Valley	990	100%
Shoshone	Lincoln	Sun Valley	465	100%
			352876	

COUNTY	District	
Ada	Boise	161012
Bannock	Pocatello	22348
Bear Lake	Pocatello	1219
Bingham	Pocatello	8259
Blaine	Twin Falls	10612
Bonneville	Idaho Falls	29293
Canyon	Nampa	56465
Caribou	Pocatello	1850
Cassia	Twin Falls	2936
Elmore	Boise	6618
Fremont	Idaho Falls	1213
Gem	Nampa	2806
Gooding	Twin Falls	1620
Jefferson	Idaho Falls	4977
Jerome	Twin Falls	3074
Lincoln	Twin Falls	465
Madison	Idaho Falls	8712
Minidoka	Twin Falls	1600
Owyhee	Nampa	389
Payette	Nampa	4326
Power	Pocatello	1189
Twin Falls	Twin Falls	20235
Washington	Nampa	1658
		352876

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	65	100%
Chubbuck	Bannock	All Other	433	100%
McCammon	Bannock	All Other	27	100%
Inkom	Bannock	All Other	21	100%
Pocatello	Bannock	All Other	2053	100%
Arimo	Bannock	All Other	4	100%
Georgetown	Bear Lake	All Other	8	100%
Montpelier	Bear Lake	All Other	203	100%
Aberdeen	Bingham	All Other	116	10%
Bancroft	Caribou	All Other	23	100%
Grace	Caribou	All Other	76	100%
Soda Springs	Caribou	All Other	212	100%
Burley	Cassia	All Other	665	100%
Declo	Cassia	All Other	19	100%
Malta	Cassia	All Other	17	100%
Raft River	Cassia	All Other	12	100%
Mountain Home	Elmore	All Other	529	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	88	100%
Gooding	Gooding	All Other	186	100%
Wendell	Gooding	All Other	120	100%
Jerome	Jerome	All Other	454	100%
Heyburn	Minidoka	All Other	83	100%
Rupert	Minidoka	All Other	272	100%
Paul	Minidoka	All Other	72	100%
Bruneau	Owyhee	All Other	15	14%
Payette	Payette	All Other	260	100%
Fruitland	Payette	All Other	187	100%
New Plymouth	Payette	All Other	85	100%
American Falls	Power	All Other	224	100%
Buhl	Twin Falls	All Other	199	100%
Filer	Twin Falls	All Other	99	100%
Twin Falls	Twin Falls	All Other	2232	100%
Kimberly	Twin Falls	All Other	134	100%
Hansen	Twin Falls	All Other	26	100%
Murtaugh	Twin Falls	All Other	18	100%
Weiser	Washington	All Other	244	100%
Caldwell	Canyon	Canyon Cnty	1284	97%
Parma	Canyon	Canyon Cnty	112	97%
Greenleaf	Canyon	Canyon Cnty	17	97%
Wilder	Canyon	Canyon Cnty	58	97%
Nampa	Canyon	Canyon Cnty	2672	97%
Homedale	Owyhee	Canyon Cnty	90	86%
MORELAND/RIVERSIDE	Bingham	IF Lateral	53	90%
Fort Hall	Bingham	IF Lateral	54	90%
Blackfoot	Bingham	IF Lateral	718	90%
Basalt	Bingham	IF Lateral	8	90%
Firth	Bingham	IF Lateral	34	90%
Shelley	Bingham	IF Lateral	165	90%
Ammon	Bonneville	IF Lateral	431	100%
Idaho Falls	Bonneville	IF Lateral	3188	100%
Iona	Bonneville	IF Lateral	34	100%
Ucon	Bonneville	IF Lateral	78	100%
Parker	Fremont	IF Lateral	6	100%
St Anthony	Fremont	IF Lateral	171	100%
Rigby	Jefferson	IF Lateral	325	100%
Ririe	Jefferson	IF Lateral	44	100%
Lewisville	Jefferson	IF Lateral	17	100%
Menan	Jefferson	IF Lateral	17	100%
Rexburg	Madison	IF Lateral	996	100%
Sugar City	Madison	IF Lateral	73	100%
Star	Ada	N of State St	134	100%
Kuna	Ada	N of State St	217	100%
Meridian	Ada	N of State St	2574	100%
Eagle	Ada	N of State St	757	100%
Garden City	Ada	N of State St	1351	100%
Boise	Ada	N of State St	7297	100%
Middleton	Canyon	N of State St	143	3%
Emmett	Gem	N of State St	349	100%
Sun Valley	Blaine	Sun Valley	62	100%
Ketchum	Blaine	Sun Valley	605	100%
Hailey	Blaine	Sun Valley	558	100%
Bellevue	Blaine	Sun Valley	176	100%
Shoshone	Lincoln	Sun Valley	91	100%
			34442	

COUNTY	District	
Ada	Boise	12330
Bannock	Pocatello	2603
Bear Lake	Pocatello	211
Bingham	Pocatello	1148
Blaine	Twin Falls	1401
Bonneville	Idaho Falls	3731
Canyon	Nampa	4286
Caribou	Pocatello	311
Cassia	Twin Falls	713
Elmore	Boise	619
Fremont	Idaho Falls	177
Gem	Nampa	349
Gooding	Twin Falls	306
Jefferson	Idaho Falls	403
Jerome	Twin Falls	454
Lincoln	Twin Falls	91
Madison	Idaho Falls	1069
Minidoka	Twin Falls	427
Owyhee	Nampa	105
Payette	Nampa	532
Power	Pocatello	224
Twin Falls	Twin Falls	2708
Washington	Nampa	244
		34442

Intermountain Gas Company

Customer Forecast – High Growth Scenario

Integrated Resource Plan 2021 – 2026

Exhibit No. 2
Section D

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	5,833	3,841	4,627	4,451	3,688	3,929
Boise	6,451	5,081	5,501	6,095	6,852	6,783
Twin Falls	1,055	1,357	1,354	1,351	1,457	1,400
Pocatello	953	1,129	1,154	1,163	1,005	1,180
Idaho Falls	1,583	1,550	1,603	1,624	1,622	1,686
RS Total	15,876	12,958	14,240	14,684	14,623	14,977

ANNUAL COMMERCIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	154	125	125	127	130	132
Boise	266	263	266	268	271	275
Twin Falls	160	112	110	113	115	117
Pocatello	93	89	82	93	101	104
Idaho Falls	184	158	156	158	160	162
GS Total	858	747	738	758	776	790

TOTAL GROWTH FORECAST - by District

	2021	2022	2023	2024	2025	2026
Nampa	5,987	3,966	4,752	4,578	3,817	4,061
Boise	6,717	5,344	5,767	6,363	7,123	7,058
Twin Falls	1,216	1,469	1,464	1,464	1,572	1,517
Pocatello	1,046	1,217	1,235	1,255	1,106	1,284
Idaho Falls	1,767	1,708	1,759	1,782	1,781	1,848
Total	**16,733**	**13,704**	**14,978**	**15,442**	**15,399**	**15,768**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	3,802	3,045	3,637	3,517	3,206	3,152
Sun Valley	341	294	300	309	260	295
IF Lateral	1,905	1,785	1,844	1,862	1,853	1,921
N of State St	2,648	2,743	2,677	2,854	3,283	3,247
Central Ada Mix	1,188	848	992	1,118	928	1,046
All Other	5,992	4,244	4,789	5,024	5,093	5,317
Total	15,876	12,958	14,240	14,684	14,623	14,977

ANNUAL COMMERCIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	122	108	109	111	113	116
Sun Valley	30	25	27	30	32	34
IF Lateral	213	185	183	188	193	197
N of State St	87	87	87	87	88	89
Central Ada Mix	75	75	75	76	76	77
All Other	330	266	257	266	273	277
Total	858	747	738	758	776	790

TOTAL GROWTH FORECAST - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	3,924	3,153	3,746	3,627	3,320	3,268
Sun Valley	371	319	327	339	292	329
IF Lateral	2,118	1,970	2,028	2,051	2,046	2,118
N of State St	2,735	2,830	2,764	2,941	3,371	3,336
Central Ada Mix	1,264	923	1,067	1,194	1,004	1,123
All Other	6,322	4,510	5,046	5,290	5,366	5,594
Total	16,733	13,704	14,978	15,442	15,399	15,768

CUSTOMER COUNT FORECAST
HIGH CASE

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	CUST COUNT	HIGH GROWTH					
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	65,644	71,477	75,318	79,945	84,396	88,084	92,013
Boise	167,630	174,081	179,162	184,663	190,759	197,610	204,393
Twin Falls	40,542	41,597	42,955	44,309	45,660	47,117	48,517
Pocatello	34,865	35,818	36,947	38,101	39,263	40,268	41,449
Idaho Falls	44,195	45,778	47,328	48,931	50,556	52,177	53,863
RS Total	352,876	368,752	381,710	395,950	410,634	425,257	440,234

ANNUAL COMMERCIAL GROWTH - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	5,516	5,670	5,795	5,920	6,046	6,176	6,308
Boise	12,949	13,215	13,479	13,745	14,012	14,283	14,559
Twin Falls	6,100	6,260	6,372	6,482	6,595	6,710	6,827
Pocatello	4,497	4,590	4,678	4,760	4,852	4,953	5,057
Idaho Falls	5,380	5,564	5,722	5,878	6,036	6,196	6,358
GS Total	34,442	35,300	36,046	36,784	37,542	38,318	39,108

TOTAL GROWTH FORECAST - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	71,160	77,147	81,113	85,865	90,443	94,260	98,321
Boise	180,579	187,296	192,641	198,408	204,771	211,894	218,952
Twin Falls	46,642	47,858	49,327	50,791	52,255	53,827	55,344
Pocatello	39,362	40,408	41,625	42,860	44,116	45,221	46,505
Idaho Falls	49,575	51,342	53,050	54,810	56,592	58,373	60,221
Total	387,318	**404,051**	**417,756**	**432,734**	**448,176**	**463,575**	**479,342**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	53,523	57,325	60,370	64,008	67,524	70,731	73,883
Sun Valley	11,077	11,418	11,712	12,012	12,321	12,581	12,876
IF Lateral	51,977	53,882	55,666	57,510	59,373	61,226	63,147
N of State St	52,518	55,166	57,909	60,586	63,440	66,723	69,970
Central Ada Mix	53,142	54,330	55,178	56,169	57,288	58,215	59,261
All Other	130,639	136,631	140,875	145,664	150,688	155,781	161,098
Total	352,876	368,752	381,710	395,950	410,634	425,257	440,234

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	4,233	4,355	4,463	4,572	4,683	4,796	4,911
Sun Valley	1,492	1,522	1,546	1,573	1,603	1,635	1,669
IF Lateral	6,412	6,625	6,810	6,994	7,182	7,375	7,572
N of State St	4,301	4,388	4,475	4,562	4,649	4,737	4,826
Central Ada Mix	3,730	3,805	3,881	3,956	4,032	4,108	4,185
All Other	14,274	14,604	14,870	15,127	15,393	15,666	15,944
Total	34,442	35,300	36,046	36,784	37,542	38,318	39,108

TOTAL GROWTH FORECAST - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	57,756	61,680	64,833	68,579	72,207	75,527	78,794
Sun Valley	12,569	12,940	13,258	13,586	13,925	14,216	14,545
IF Lateral	58,389	60,507	62,477	64,504	66,555	68,601	70,719
N of State St	56,819	59,554	62,384	65,148	68,089	71,460	74,796
Central Ada Mix	56,872	58,136	59,059	60,126	61,319	62,323	63,446
All Other	144,913	151,235	155,745	160,791	166,081	171,447	177,042
Total	387,318	404,051	417,756	432,734	448,176	463,575	479,342

HIGH CASE
GROWTH DETAIL

					2021 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	8,841	8,664	424	9,088
Bannock	Pocatello	All Other	67%	15%	1,224	820	120	940
Bear Lake	Pocatello	All Other	67%	15%	441	296	43	339
Bingham	Pocatello	IF Lateral	67%	15%	418	280	41	321
Blaine	Twin Falls	Sun Valley	73%	12%	401	292	35	327
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,464	966	141	1,108
Canyon	Nampa	Canyon Cnty	89%	5%	807	718	35	753
Caribou	Pocatello	All Other	67%	15%	(115)	(77)	(11)	(88)
Cassia	Twin Falls	All Other	73%	12%	106	77	9	86
Elmore	Boise	All Other	98%	5%	(528)	(517)	(25)	(543)
Fremont	Idaho Falls	IF Lateral	66%	15%	142	94	14	108
Gem	Nampa	N of State St	89%	5%	124	110	5	116
Gooding	Twin Falls	All Other	73%	12%	49	35	4	40
Jefferson	Idaho Falls	IF Lateral	66%	15%	432	285	42	327
Jerome	Twin Falls	All Other	73%	12%	285	208	25	233
Lincoln	Twin Falls	Sun Valley	73%	12%	171	125	15	139
Madison	Idaho Falls	IF Lateral	66%	15%	583	385	56	441
Minidoka	Twin Falls	All Other	73%	12%	(108)	(79)	(9)	(88)
Owyhee	Nampa	Canyon Cnty	89%	5%	(153)	(136)	(7)	(142)
Payette	Nampa	All Other	89%	5%	55	49	2	51
Power	Pocatello	All Other	67%	15%	54	36	5	41
Twin Falls	Twin Falls	All Other	73%	12%	1,003	732	86	819
Washington	Nampa	All Other	89%	5%	858	764	37	801
					16,553			15,215

HIGH CASE
GROWTH DETAIL

					2022 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	6,456	6,327	309	6,636
Bannock	Pocatello	All Other	67%	15%	1,033	692	101	794
Bear Lake	Pocatello	All Other	67%	15%	85	57	8	66
Bingham	Pocatello	IF Lateral	67%	15%	306	205	30	235
Blaine	Twin Falls	Sun Valley	73%	12%	291	212	25	237
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,089	719	105	824
Canyon	Nampa	Canyon Cnty	89%	5%	1,854	1,650	81	1,731
Caribou	Pocatello	All Other	67%	15%	9	6	1	7
Cassia	Twin Falls	All Other	73%	12%	106	77	9	86
Elmore	Boise	All Other	98%	5%	(14)	(14)	(1)	(15)
Fremont	Idaho Falls	IF Lateral	66%	15%	119	79	12	90
Gem	Nampa	N of State St	89%	5%	60	54	3	56
Gooding	Twin Falls	All Other	73%	12%	77	56	7	63
Jefferson	Idaho Falls	IF Lateral	66%	15%	272	180	26	206
Jerome	Twin Falls	All Other	73%	12%	215	157	19	176
Lincoln	Twin Falls	Sun Valley	73%	12%	69	51	6	57
Madison	Idaho Falls	IF Lateral	66%	15%	569	375	55	430
Minidoka	Twin Falls	All Other	73%	12%	50	37	4	41
Owyhee	Nampa	Canyon Cnty	89%	5%	6	6	0	6
Payette	Nampa	All Other	89%	5%	133	118	6	124
Power	Pocatello	All Other	67%	15%	36	24	4	28
Twin Falls	Twin Falls	All Other	73%	12%	855	624	74	698
Washington	Nampa	All Other	89%	5%	192	171	8	179
					13,868	11,862	892	12,754

HIGH CASE
GROWTH DETAIL

					2023 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	7,059	6,918	338	7,256
Bannock	Pocatello	All Other	67%	15%	1,061	711	104	815
Bear Lake	Pocatello	All Other	67%	15%	85	57	8	65
Bingham	Pocatello	IF Lateral	67%	15%	314	210	31	241
Blaine	Twin Falls	Sun Valley	73%	12%	297	217	26	242
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,103	728	107	835
Canyon	Nampa	Canyon Cnty	89%	5%	1,885	1,678	82	1,760
Caribou	Pocatello	All Other	67%	15%	7	5	1	5
Cassia	Twin Falls	All Other	73%	12%	98	72	8	80
Elmore	Boise	All Other	98%	5%	(22)	(21)	(1)	(22)
Fremont	Idaho Falls	IF Lateral	66%	15%	125	83	12	95
Gem	Nampa	N of State St	89%	5%	58	52	3	54
Gooding	Twin Falls	All Other	73%	12%	80	58	7	65
Jefferson	Idaho Falls	IF Lateral	66%	15%	278	183	27	210
Jerome	Twin Falls	All Other	73%	12%	222	162	19	181
Lincoln	Twin Falls	Sun Valley	73%	12%	71	52	6	58
Madison	Idaho Falls	IF Lateral	66%	15%	613	405	59	464
Minidoka	Twin Falls	All Other	73%	12%	40	29	3	33
Owyhee	Nampa	Canyon Cnty	89%	5%	3	2	0	2
Payette	Nampa	All Other	89%	5%	134	119	6	125
Power	Pocatello	All Other	67%	15%	36	24	4	28
Twin Falls	Twin Falls	All Other	73%	12%	851	621	73	695
Washington	Nampa	All Other	89%	5%	199	177	9	185
					14,596	12,541	931	13,472

HIGH CASE
GROWTH DETAIL

					2024 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	7,233	7,088	347	7,435
Bannock	Pocatello	All Other	67%	15%	1,074	719	105	825
Bear Lake	Pocatello	All Other	67%	15%	87	58	9	67
Bingham	Pocatello	IF Lateral	67%	15%	310	208	30	238
Blaine	Twin Falls	Sun Valley	73%	12%	307	224	26	251
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,106	730	107	837
Canyon	Nampa	Canyon Cnty	89%	5%	1,919	1,708	84	1,791
Caribou	Pocatello	All Other	67%	15%	7	5	1	5
Cassia	Twin Falls	All Other	73%	12%	94	68	8	76
Elmore	Boise	All Other	98%	5%	(28)	(28)	(1)	(29)
Fremont	Idaho Falls	IF Lateral	66%	15%	127	84	12	96
Gem	Nampa	N of State St	89%	5%	54	48	2	50
Gooding	Twin Falls	All Other	73%	12%	77	56	7	63
Jefferson	Idaho Falls	IF Lateral	66%	15%	280	185	27	212
Jerome	Twin Falls	All Other	73%	12%	221	161	19	180
Lincoln	Twin Falls	Sun Valley	73%	12%	71	52	6	58
Madison	Idaho Falls	IF Lateral	66%	15%	633	418	61	479
Minidoka	Twin Falls	All Other	73%	12%	36	26	3	29
Owyhee	Nampa	Canyon Cnty	89%	5%	1	1	0	1
Payette	Nampa	All Other	89%	5%	129	114	6	120
Power	Pocatello	All Other	67%	15%	36	24	4	28
Twin Falls	Twin Falls	All Other	73%	12%	850	620	73	693
Washington	Nampa	All Other	89%	5%	202	180	9	189
					14,824	12,750	944	13,694

HIGH CASE
GROWTH DETAIL

					2025 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	7,347	7,200	352	7,552
Bannock	Pocatello	All Other	67%	15%	1,070	717	105	822
Bear Lake	Pocatello	All Other	67%	15%	(195)	(131)	(19)	(150)
Bingham	Pocatello	IF Lateral	67%	15%	301	202	30	232
Blaine	Twin Falls	Sun Valley	73%	12%	306	223	26	250
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,089	719	105	824
Canyon	Nampa	Canyon Cnty	89%	5%	1,548	1,377	67	1,445
Caribou	Pocatello	All Other	67%	15%	97	65	10	75
Cassia	Twin Falls	All Other	73%	12%	126	92	11	103
Elmore	Boise	All Other	98%	5%	348	341	17	357
Fremont	Idaho Falls	IF Lateral	66%	15%	126	83	12	96
Gem	Nampa	N of State St	89%	5%	48	43	2	45
Gooding	Twin Falls	All Other	73%	12%	117	86	10	96
Jefferson	Idaho Falls	IF Lateral	66%	15%	279	184	27	211
Jerome	Twin Falls	All Other	73%	12%	218	159	19	178
Lincoln	Twin Falls	Sun Valley	73%	12%	12	9	1	10
Madison	Idaho Falls	IF Lateral	66%	15%	649	428	63	491
Minidoka	Twin Falls	All Other	73%	12%	173	126	15	141
Owyhee	Nampa	Canyon Cnty	89%	5%	120	106	5	112
Payette	Nampa	All Other	89%	5%	213	190	9	199
Power	Pocatello	All Other	67%	15%	35	24	3	27
Twin Falls	Twin Falls	All Other	73%	12%	833	608	72	680
Washington	Nampa	All Other	89%	5%	(335)	(298)	(15)	(313)
					14,525	12,553	927	13,480

HIGH CASE
GROWTH DETAIL

					2026 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	7,489	7,339	359	7,698
Bannock	Pocatello	All Other	67%	15%	1,140	764	112	876
Bear Lake	Pocatello	All Other	67%	15%	11	7	1	8
Bingham	Pocatello	IF Lateral	67%	15%	306	205	30	235
Blaine	Twin Falls	Sun Valley	73%	12%	304	222	26	248
Bonneville	Idaho Falls	IF Lateral	66%	15%	1,130	746	109	855
Canyon	Nampa	Canyon Cnty	89%	5%	1,649	1,467	72	1,539
Caribou	Pocatello	All Other	67%	15%	38	25	4	29
Cassia	Twin Falls	All Other	73%	12%	102	75	9	83
Elmore	Boise	All Other	98%	5%	48	47	2	49
Fremont	Idaho Falls	IF Lateral	66%	15%	135	89	13	102
Gem	Nampa	N of State St	89%	5%	54	48	2	51
Gooding	Twin Falls	All Other	73%	12%	105	77	9	86
Jefferson	Idaho Falls	IF Lateral	66%	15%	291	192	28	220
Jerome	Twin Falls	All Other	73%	12%	208	152	18	170
Lincoln	Twin Falls	Sun Valley	73%	12%	57	42	5	47
Madison	Idaho Falls	IF Lateral	66%	15%	671	443	65	507
Minidoka	Twin Falls	All Other	73%	12%	81	59	7	66
Owyhee	Nampa	Canyon Cnty	89%	5%	41	36	2	38
Payette	Nampa	All Other	89%	5%	154	137	7	144
Power	Pocatello	All Other	67%	15%	42	28	4	32
Twin Falls	Twin Falls	All Other	73%	12%	858	626	74	700
Washington	Nampa	All Other	89%	5%	62	55	3	58
					14,975	12,881	960	13,841

HIGH CASE
DATA INPUTS

Source: 2020 Economic Forecast (BASE, HIGH, LOW)

From John Churchs' HouseHold forecast by County

HOUSEHOLDS

ALL IDAHO COUNTIES	2020	2021	2022	2023	2024	2025	2026
Ada	186,718	195,559	202,015	209,074	216,307	223,653	231,142
Adams	1,878	1,927	1,969	2,014	2,059	2,103	2,150
Bannock	35,498	36,722	37,755	38,816	39,890	40,960	42,100
Bear Lake	2,009	2,450	2,536	2,620	2,707	2,512	2,523
Benewah	3,951	4,019	4,062	4,106	4,149	4,190	4,233
Bingham	16,960	17,378	17,684	17,998	18,308	18,609	18,916
Blaine	9,945	10,346	10,637	10,934	11,241	11,546	11,850
Boise	4,644	4,602	4,640	4,681	4,722	4,841	4,904
Bonner	20,646	21,301	21,752	22,212	22,673	23,122	23,530
Bonneville	43,292	44,756	45,845	46,948	48,054	49,143	50,274
Boundary	5,147	5,308	5,430	5,554	5,677	5,797	5,920
Butte	1,048	1,055	1,062	1,070	1,077	1,083	1,092
Camas	726	749	769	789	809	830	848
Canyon	78,508	79,314	81,168	83,054	84,972	86,520	88,169
Caribou	4,320	4,205	4,214	4,221	4,228	4,325	4,363
Cassia	9,106	9,212	9,317	9,416	9,509	9,636	9,738
Clark	360	361	361	361	360	360	359
Clearwater	4,720	4,755	4,784	4,810	4,835	4,858	4,882
Custer	2,906	2,957	3,000	3,045	3,089	3,132	3,184
Elmore	16,752	16,225	16,210	16,188	16,160	16,508	16,555
Franklin	4,036	4,154	4,257	4,360	4,464	4,566	4,671
Fremont	4,566	4,708	4,827	4,952	5,080	5,206	5,341
Gem	9,022	9,146	9,206	9,264	9,318	9,366	9,420
Gooding	6,328	6,377	6,454	6,534	6,611	6,728	6,833
Idaho	9,533	9,685	9,819	9,958	10,094	10,227	10,392
Jefferson	9,541	9,973	10,245	10,522	10,802	11,081	11,372
Jerome	7,410	7,696	7,911	8,133	8,353	8,571	8,780
Kootenai	66,814	69,359	71,272	73,209	75,150	77,066	78,935
Latah	15,799	15,981	16,109	16,228	16,334	16,424	16,554
Lemhi	4,453	4,506	4,546	4,587	4,626	4,661	4,708
Lewis	1,869	1,894	1,913	1,931	1,947	1,961	1,981
Lincoln	892	1,062	1,132	1,203	1,274	1,286	1,344
Madison	5,701	6,284	6,852	7,465	8,098	8,747	9,417
Minidoka	10,312	10,204	10,254	10,294	10,330	10,503	10,583
Nez Perce	18,324	18,414	18,599	18,788	18,980	19,246	19,501
Oneida	2,399	2,347	2,355	2,361	2,367	2,413	2,430
Owyhee	6,272	6,119	6,125	6,128	6,129	6,248	6,289
Payette	10,471	10,526	10,659	10,792	10,921	11,134	11,288
Power	2,412	2,466	2,501	2,537	2,573	2,609	2,650
Shoshone	7,608	7,789	7,890	7,986	8,083	8,176	8,263
Teton	3,339	3,607	3,865	4,142	4,431	4,730	5,042
Twin Falls	23,669	24,672	25,527	26,378	27,228	28,060	28,918
Valley	6,724	7,043	7,307	7,586	7,874	8,168	8,464
Washington	4,150	5,008	5,199	5,398	5,600	5,266	5,327
State of Idaho	690,776	712,219	730,034	748,647	767,495	786,169	805,234

HOUSEHOLDS

COUNTIES IN IGC SERVICE AREA	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Ada	186,718	195,559	202,015	209,074	216,307	223,653	231,142
Bannock	35,498	36,722	37,755	38,816	39,890	40,960	42,100
Bear Lake	2,009	2,450	2,536	2,620	2,707	2,512	2,523
Bingham	16,960	17,378	17,684	17,998	18,308	18,609	18,916
Blaine	9,945	10,346	10,637	10,934	11,241	11,546	11,850
Bonneville	43,292	44,756	45,845	46,948	48,054	49,143	50,274
Canyon	78,508	79,314	81,168	83,054	84,972	86,520	88,169
Caribou	4,320	4,205	4,214	4,221	4,228	4,325	4,363
Cassia	9,106	9,212	9,317	9,416	9,509	9,636	9,738
Elmore	16,752	16,225	16,210	16,188	16,160	16,508	16,555
Fremont	4,566	4,708	4,827	4,952	5,080	5,206	5,341
Gem	9,022	9,146	9,206	9,264	9,318	9,366	9,420
Gooding	6,328	6,377	6,454	6,534	6,611	6,728	6,833
Jefferson	9,541	9,973	10,245	10,522	10,802	11,081	11,372
Jerome	7,410	7,696	7,911	8,133	8,353	8,571	8,780
Lincoln	892	1,062	1,132	1,203	1,274	1,286	1,344
Madison	5,701	6,284	6,852	7,465	8,098	8,747	9,417
Minidoka	10,312	10,204	10,254	10,294	10,330	10,503	10,583
Owyhee	6,272	6,119	6,125	6,128	6,129	6,248	6,289
Payette	10,471	10,526	10,659	10,792	10,921	11,134	11,288
Power	2,412	2,466	2,501	2,537	2,573	2,609	2,650
Twin Falls	23,669	24,672	25,527	26,378	27,228	28,060	28,918
Washington	4,150	5,008	5,199	5,398	5,600	5,266	5,327
	503,852	520,405	534,273	548,870	563,694	578,219	593,194
		16,553	13,868	14,596	14,824	14,525	14,975

HOUSEHOLD GROWTH

	2021	**2022**	**2023**	**2024**	**2025**	**2026**
Ada	8,841	6,456	7,059	7,233	7,347	7,489
Bannock	1,224	1,033	1,061	1,074	1,070	1,140
Bear Lake	441	85	85	87	(195)	11
Bingham	418	306	314	310	301	306
Blaine	401	291	297	307	306	304
Bonneville	1,464	1,089	1,103	1,106	1,089	1,130
Canyon	807	1,854	1,885	1,919	1,548	1,649
Caribou	(115)	9	7	7	97	38
Cassia	106	106	98	94	126	102
Elmore	(528)	(14)	(22)	(28)	348	48
Fremont	142	119	125	127	126	135
Gem	124	60	58	54	48	54
Gooding	49	77	80	77	117	105
Jefferson	432	272	278	280	279	291
Jerome	285	215	222	221	218	208
Lincoln	171	69	71	71	12	57
Madison	583	569	613	633	649	671
Minidoka	(108)	50	40	36	173	81
Owyhee	(153)	6	3	1	120	41
Payette	55	133	134	129	213	154
Power	54	36	36	36	35	42
Twin Falls	1,003	855	851	850	833	858
Washington	858	192	199	202	(335)	62
total change for IGC's area	16,553	13,868	14,596	14,824	14,525	14,975

DATA MAPPING
BASE/LOW/HIGH

COUNTY	TOWN	IGC District	IRP Node	IGC District Comments	IGC District Comments
Ada	Star	Boise	N of State St	Nampa	N of State St
Ada	Kuna	Boise	N of State St		All Other
Ada	Meridian	Boise	N of State St		Central Ada Mix
Ada	Eagle	Boise	N of State St		N of State St
Ada	Garden City	Boise	N of State St		N of State St
Ada	Boise	Boise	N of State St		Central Ada Mix
Bannock	Lava Hot Springs	Pocatello	All Other		
Bannock	Chubbuck	Pocatello	All Other		
Bannock	McCammon	Pocatello	All Other		
Bannock	Inkom	Pocatello	All Other		
Bannock	Pocatello	Pocatello	All Other		
Bannock	Arimo	Pocatello	All Other		
Bear Lake	Georgetown	Pocatello	All Other		
Bear Lake	Montpelier	Pocatello	All Other		
Bingham	Moreland-Riverside	Pocatello	IF Lateral		
Bingham	Fort Hall	Pocatello	IF Lateral		
Bingham	Blackfoot	Pocatello	IF Lateral		
Bingham	Basalt	Pocatello	IF Lateral	Idaho Falls	
Bingham	Firth	Pocatello	IF Lateral	Idaho Falls	
Bingham	Shelley	Pocatello	IF Lateral	Idaho Falls	
Bingham	Aberdeen	Pocatello	All Other		
Blaine	Sun Valley	Twin Falls	Sun Valley		
Blaine	Ketchum	Twin Falls	Sun Valley		
Blaine	Hailey	Twin Falls	Sun Valley		
Blaine	Bellevue	Twin Falls	Sun Valley		
Bonneville	Ammon	Idaho Falls	IF Lateral		
Bonneville	Idaho Falls	Idaho Falls	IF Lateral		
Bonneville	Iona	Idaho Falls	IF Lateral		
Bonneville	Ucon	Idaho Falls	IF Lateral		
Canyon	Caldwell	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Parma	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Greenleaf	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Wilder	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Middleton	Nampa	Canyon Cnty		N of State St
Canyon	Nampa	Nampa	Canyon Cnty		Canyon Cnty
Caribou	Bancroft	Pocatello	All Other		
Caribou	Grace	Pocatello	All Other		
Caribou	Soda Springs	Pocatello	All Other		
Cassia	Burley	Twin Falls	All Other		
Cassia	Declo	Twin Falls	All Other		
Cassia	Malta	Twin Falls	All Other		
Cassia	Raft River	Twin Falls	All Other		
Elmore	Mountain Home	Boise	All Other		
Elmore	Hammett	Boise	All Other		
Elmore	Glenns Ferry	Boise	All Other		
Fremont	Parker	Idaho Falls	IF Lateral		
Fremont	St. Anthony	Idaho Falls	IF Lateral		
Gem	Emmett	Nampa	N of State St		
Gooding	Gooding	Twin Falls	All Other		
Gooding	Wendell	Twin Falls	All Other		
Jefferson	Rigby	Idaho Falls	IF Lateral		
Jefferson	Ririe	Idaho Falls	IF Lateral		
Jefferson	Lewisville	Idaho Falls	IF Lateral		
Jefferson	Menan	Idaho Falls	IF Lateral		
Jerome	Jerome	Twin Falls	All Other		
Lincoln	Shoshone	Twin Falls	Sun Valley		
Madison	Rexburg	Idaho Falls	IF Lateral		
Madison	Sugar City	Idaho Falls	IF Lateral		
Minidoka	Heyburn	Twin Falls	All Other		
Minidoka	Rupert	Twin Falls	All Other		
Minidoka	Paul	Twin Falls	All Other		
Owyhee	Homedale	Nampa	Canyon Cnty		Canyon Cnty
Owyhee	Bruneau	Nampa	All Other		All Other
Payette	Payette	Nampa	All Other		
Payette	Fruitland	Nampa	All Other		
Payette	New Plymouth	Nampa	All Other		
Power	American Falls	Pocatello	All Other		
Twin Falls	Buhl	Twin Falls	All Other		
Twin Falls	Filer	Twin Falls	All Other		
Twin Falls	Twin Falls	Twin Falls	All Other		
Twin Falls	Kimberly	Twin Falls	All Other		
Twin Falls	Hansen	Twin Falls	All Other		
Twin Falls	Murtaugh	Twin Falls	All Other		
Washington	Weiser	Nampa	All Other		

IGC District	Market Share %	Conversion %
Nampa	89.00%	4.89%
Boise	98.00%	4.89%
Twin Falls	73.00%	11.80%
Pocatello	67.00%	14.64%
Idaho Falls	66.00%	14.64%
	Updated	Updated

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	All Other
Acts	Jan-20	2020	1	4162	1486	6291	12657	9401
Acts	Feb-20	2020	2	4168	1485	6299	12686	9409
Acts	Mar-20	2020	3	4179	1487	6317	12696	9420
Acts	Apr-20	2020	4	4180	1487	6310	12692	9414
Acts	May-20	2020	5	4170	1483	6305	12675	9401
Acts	Jun-20	2020	6	4173	1483	6298	12670	9400
Acts	Jul-20	2020	7	4184	1483	6286	12665	9391
Acts	Aug-20	2020	8	4184	1478	6288	12656	9377
Acts	Sep-20	2020	9	4176	1481	6284	12661	9374
Acts	Oct-20	2020	10	4177	1486	6304	12685	9401
Acts	Nov-20	2020	11	4196	1492	6338	12750	9457
Acts	Dec-20	2020	12	4233	1492	6412	12822	9483
Acts	Jan-21	2021	1	4245	1493	6430	12853	9509
Acts	Feb-21	2021	2	4257	1491	6454	12873	9522
Acts	Mar-21	2021	3	4271	1491	6474	12879	9538
136	Apr-21	2021	4	4291	1492	6496	12904	9566
137	May-21	2021	5	4290	1494	6500	12899	9576
138	Jun-21	2021	6	4287	1496	6497	12896	9572
139	Jul-21	2021	7	4285	1497	6489	12886	9563
140	Aug-21	2021	8	4286	1499	6484	12885	9558
141	Sep-21	2021	9	4283	1503	6486	12889	9560
142	Oct-21	2021	10	4300	1510	6513	12925	9603
143	Nov-21	2021	11	4328	1516	6566	12998	9668
144	Dec-21	2021	12	4355	1522	6625	13081	9716
145	Jan-22	2022	1	4391	1523	6664	13134	9755
146	Feb-22	2022	2	4395	1525	6683	13153	9769
147	Mar-22	2022	3	4403	1526	6705	13165	9779
148	Apr-22	2022	4	4404	1527	6708	13165	9781
149	May-22	2022	5	4400	1526	6704	13154	9778
150	Jun-22	2022	6	4396	1525	6693	13146	9764
151	Jul-22	2022	7	4393	1525	6681	13131	9750
152	Aug-22	2022	8	4393	1526	6673	13132	9741
153	Sep-22	2022	9	4390	1529	6674	13134	9740
154	Oct-22	2022	10	4407	1535	6699	13176	9781
155	Nov-22	2022	11	4435	1542	6751	13255	9842
156	Dec-22	2022	12	4463	1546	6810	13341	9885
157	Jan-23	2023	1	4498	1548	6849	13398	9919
158	Feb-23	2023	2	4502	1549	6867	13420	9931
159	Mar-23	2023	3	4511	1550	6888	13434	9941
160	Apr-23	2023	4	4512	1551	6891	13432	9942
161	May-23	2023	5	4507	1550	6886	13420	9938
162	Jun-23	2023	6	4503	1550	6876	13410	9926
163	Jul-23	2023	7	4501	1550	6863	13394	9913
164	Aug-23	2023	8	4501	1552	6856	13394	9904
165	Sep-23	2023	9	4499	1555	6857	13395	9903
166	Oct-23	2023	10	4516	1561	6883	13437	9942
167	Nov-23	2023	11	4544	1568	6934	13515	10002
168	Dec-23	2023	12	4572	1573	6994	13600	10046
169	Jan-24	2024	1	4608	1575	7033	13657	10080
170	Feb-24	2024	2	4612	1577	7052	13679	10092
171	Mar-24	2024	3	4620	1578	7073	13693	10103
172	Apr-24	2024	4	4621	1579	7076	13691	10105
173	May-24	2024	5	4617	1579	7072	13679	10102
174	Jun-24	2024	6	4613	1579	7062	13668	10089
175	Jul-24	2024	7	4611	1579	7050	13653	10075
176	Aug-24	2024	8	4611	1580	7043	13653	10067
177	Sep-24	2024	9	4609	1584	7044	13654	10067
178	Oct-24	2024	10	4626	1591	7070	13696	10107
179	Nov-24	2024	11	4654	1598	7122	13774	10169
180	Dec-24	2024	12	4683	1603	7182	13860	10214
181	Jan-25	2025	1	4719	1605	7222	13917	10251
182	Feb-25	2025	2	4723	1607	7241	13939	10264
183	Mar-25	2025	3	4732	1609	7263	13953	10276
184	Apr-25	2025	4	4733	1610	7267	13952	10278
185	May-25	2025	5	4729	1610	7262	13940	10275
186	Jun-25	2025	6	4725	1610	7253	13929	10263
187	Jul-25	2025	7	4723	1610	7241	13914	10249
188	Aug-25	2025	8	4724	1612	7234	13914	10241
189	Sep-25	2025	9	4722	1616	7236	13916	10241
190	Oct-25	2025	10	4739	1623	7262	13958	10282
191	Nov-25	2025	11	4767	1630	7315	14036	10344
192	Dec-25	2025	12	4796	1635	7375	14122	10390
193	Jan-26	2026	1	4833	1637	7415	14180	10426
194	Feb-26	2026	2	4837	1640	7435	14202	10440
195	Mar-26	2026	3	4846	1641	7457	14217	10452
196	Apr-26	2026	4	4847	1642	7461	14215	10454
197	May-26	2026	5	4843	1643	7457	14203	10451
198	Jun-26	2026	6	4840	1643	7448	14193	10439
199	Jul-26	2026	7	4838	1643	7436	14178	10427
200	Aug-26	2026	8	4839	1645	7430	14179	10419
201	Sep-26	2026	9	4837	1649	7432	14181	10419
202	Oct-26	2026	10	4854	1656	7459	14223	10460
203	Nov-26	2026	11	4883	1663	7512	14302	10523
204	Dec-26	2026	12	4911	1669	7572	14387	10568

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	Central Ada Mix	All Other
Acts	Jan-20	2020	1	4162	1486	6291	4246	3682	14130
Acts	Feb-20	2020	2	4168	1485	6299	4255	3690	14149
Acts	Mar-20	2020	3	4179	1487	6317	4259	3693	14164
Acts	Apr-20	2020	4	4180	1487	6310	4257	3692	14156
Acts	May-20	2020	5	4170	1483	6305	4252	3687	14137
Acts	Jun-20	2020	6	4173	1483	6298	4250	3686	14135
Acts	Jul-20	2020	7	4184	1483	6286	4248	3684	14124
Acts	Aug-20	2020	8	4184	1478	6288	4245	3682	14106
Acts	Sep-20	2020	9	4176	1481	6284	4247	3683	14105
Acts	Oct-20	2020	10	4177	1486	6304	4255	3690	14140
Acts	Nov-20	2020	11	4196	1492	6338	4277	3709	14221
Acts	Dec-20	2020	12	4233	1492	6412	4301	3730	14274
Acts	Jan-21	2021	1	4245	1493	6430	4312	3739	14311
Acts	Feb-21	2021	2	4257	1491	6454	4318	3745	14332
Acts	Mar-21	2021	3	4271	1491	6474	4320	3747	14351
136	Apr-21	2021	4	4291	1492	6496	4329	3754	14387
137	May-21	2021	5	4290	1494	6500	4327	3753	14396
138	Jun-21	2021	6	4287	1496	6497	4326	3752	14391
139	Jul-21	2021	7	4285	1497	6489	4322	3749	14378
140	Aug-21	2021	8	4286	1499	6484	4322	3748	14372
141	Sep-21	2021	9	4283	1503	6486	4323	3750	14376
142	Oct-21	2021	10	4300	1510	6513	4336	3760	14432
143	Nov-21	2021	11	4328	1516	6566	4360	3781	14525
144	Dec-21	2021	12	4355	1522	6625	4388	3805	14604
145	Jan-22	2022	1	4391	1523	6664	4406	3821	14663
146	Feb-22	2022	2	4395	1525	6683	4412	3826	14684
147	Mar-22	2022	3	4403	1526	6705	4416	3830	14698
148	Apr-22	2022	4	4404	1527	6708	4416	3830	14700
149	May-22	2022	5	4400	1526	6704	4412	3827	14693
150	Jun-22	2022	6	4396	1525	6693	4410	3824	14676
151	Jul-22	2022	7	4393	1525	6681	4405	3820	14656
152	Aug-22	2022	8	4393	1526	6673	4405	3820	14648
153	Sep-22	2022	9	4390	1529	6674	4406	3821	14647
154	Oct-22	2022	10	4407	1535	6699	4420	3833	14705
155	Nov-22	2022	11	4435	1542	6751	4446	3856	14794
156	Dec-22	2022	12	4463	1546	6810	4475	3881	14870
157	Jan-23	2023	1	4498	1548	6849	4494	3897	14925
158	Feb-23	2023	2	4502	1549	6867	4501	3904	14945
159	Mar-23	2023	3	4511	1550	6888	4506	3908	14960
160	Apr-23	2023	4	4512	1551	6891	4506	3907	14961
161	May-23	2023	5	4507	1550	6886	4502	3904	14953
162	Jun-23	2023	6	4503	1550	6876	4498	3901	14937
163	Jul-23	2023	7	4501	1550	6863	4493	3896	14917
164	Aug-23	2023	8	4501	1552	6856	4493	3896	14908
165	Sep-23	2023	9	4499	1555	6857	4493	3897	14908
166	Oct-23	2023	10	4516	1561	6883	4507	3909	14962
167	Nov-23	2023	11	4544	1568	6934	4533	3932	15052
168	Dec-23	2023	12	4572	1573	6994	4562	3956	15127
169	Jan-24	2024	1	4608	1575	7033	4581	3973	15183
170	Feb-24	2024	2	4612	1577	7052	4588	3979	15203
171	Mar-24	2024	3	4620	1578	7073	4593	3983	15220
172	Apr-24	2024	4	4621	1579	7076	4592	3983	15221
173	May-24	2024	5	4617	1579	7072	4588	3979	15213
174	Jun-24	2024	6	4613	1579	7062	4585	3976	15196
175	Jul-24	2024	7	4611	1579	7050	4580	3972	15177
176	Aug-24	2024	8	4611	1580	7043	4580	3972	15168
177	Sep-24	2024	9	4609	1584	7044	4580	3972	15169
178	Oct-24	2024	10	4626	1591	7070	4594	3984	15225
179	Nov-24	2024	11	4654	1598	7122	4620	4007	15316
180	Dec-24	2024	12	4683	1603	7182	4649	4032	15393
181	Jan-25	2025	1	4719	1605	7222	4668	4049	15451
182	Feb-25	2025	2	4723	1607	7241	4676	4055	15472
183	Mar-25	2025	3	4732	1609	7263	4681	4059	15489
184	Apr-25	2025	4	4733	1610	7267	4680	4059	15491
185	May-25	2025	5	4729	1610	7262	4676	4055	15484
186	Jun-25	2025	6	4725	1610	7253	4672	4052	15468
187	Jul-25	2025	7	4723	1610	7241	4667	4048	15448
188	Aug-25	2025	8	4724	1612	7234	4667	4048	15440
189	Sep-25	2025	9	4722	1616	7236	4668	4048	15441
190	Oct-25	2025	10	4739	1623	7262	4682	4060	15498
191	Nov-25	2025	11	4767	1630	7315	4708	4083	15589
192	Dec-25	2025	12	4796	1635	7375	4737	4108	15666
193	Jan-26	2026	1	4833	1637	7415	4756	4125	15724
194	Feb-26	2026	2	4837	1640	7435	4764	4131	15746
195	Mar-26	2026	3	4846	1641	7457	4769	4136	15764
196	Apr-26	2026	4	4847	1642	7461	4768	4135	15765
197	May-26	2026	5	4843	1643	7457	4764	4132	15758
198	Jun-26	2026	6	4840	1643	7448	4761	4129	15743
199	Jul-26	2026	7	4838	1643	7436	4756	4124	15724
200	Aug-26	2026	8	4839	1645	7430	4756	4125	15717
201	Sep-26	2026	9	4837	1649	7432	4757	4125	15718
202	Oct-26	2026	10	4854	1656	7459	4771	4138	15775
203	Nov-26	2026	11	4883	1663	7512	4797	4160	15866
204	Dec-26	2026	12	4911	1669	7572	4826	4185	15944

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT 2020			
Canyon Cnty	4,233	4,233		
Sun Valley	1,492	1,492		
IF Lateral	6,412	6,412		
N of State St	12,822	4,301	4,301	33.54%
Central Ada Mix		3,730	3,730	29.09%
All Other	9,483	14,274	4,791	37.37%
Total	34,442	34,442	12,822	

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	283	100%
Chubbuck	Bannock	All Other	4807	100%
McCammon	Bannock	All Other	252	100%
Inkom	Bannock	All Other	240	100%
Pocatello	Bannock	All Other	16685	100%
Arimo	Bannock	All Other	81	100%
Georgetown	Bear Lake	All Other	184	100%
Montpelier	Bear Lake	All Other	1035	100%
Aberdeen	Bingham	All Other	477	6%
Bancroft	Caribou	All Other	158	100%
Grace	Caribou	All Other	554	100%
Soda Springs	Caribou	All Other	1138	100%
Burley	Cassia	All Other	2839	100%
Declo	Cassia	All Other	66	100%
Malta	Cassia	All Other	14	100%
Raft River	Cassia	All Other	17	100%
Mountain Home	Elmore	All Other	6234	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	382	100%
Gooding	Gooding	All Other	982	100%
Wendell	Gooding	All Other	638	100%
Jerome	Jerome	All Other	3074	100%
Heyburn	Minidoka	All Other	499	100%
Rupert	Minidoka	All Other	937	100%
Paul	Minidoka	All Other	164	100%
Bruneau	Owyhee	All Other	46	12%
Payette	Payette	All Other	2269	100%
Fruitland	Payette	All Other	1683	100%
New Plymouth	Payette	All Other	374	100%
American Falls	Power	All Other	1189	100%
Buhl	Twin Falls	All Other	1370	100%
Filer	Twin Falls	All Other	879	100%
Twin Falls	Twin Falls	All Other	16074	100%
Kimberly	Twin Falls	All Other	1591	100%
Hansen	Twin Falls	All Other	253	100%
Murtaugh	Twin Falls	All Other	68	100%
Weiser	Washington	All Other	1658	100%
Caldwell	Canyon	Canyon Cnty	17880	94%
Parma	Canyon	Canyon Cnty	517	94%
Greenleaf	Canyon	Canyon Cnty	214	94%
Wilder	Canyon	Canyon Cnty	272	94%
Nampa	Canyon	Canyon Cnty	34297	94%
Homedale	Owyhee	Canyon Cnty	343	88%
MORELAND/RIVERSIDE	Bingham	IF Lateral	432	94%
Fort Hall	Bingham	IF Lateral	164	94%
Blackfoot	Bingham	IF Lateral	4557	94%
Basalt	Bingham	IF Lateral	150	94%
Firth	Bingham	IF Lateral	353	94%
Shelley	Bingham	IF Lateral	2126	94%
Ammon	Bonneville	IF Lateral	6706	100%
Idaho Falls	Bonneville	IF Lateral	20552	100%
Iona	Bonneville	IF Lateral	1102	100%
Ucon	Bonneville	IF Lateral	933	100%
Parker	Fremont	IF Lateral	213	100%
St Anthony	Fremont	IF Lateral	1000	100%
Rigby	Jefferson	IF Lateral	4167	100%
Ririe	Jefferson	IF Lateral	402	100%
Lewisville	Jefferson	IF Lateral	168	100%
Menan	Jefferson	IF Lateral	240	100%
Rexburg	Madison	IF Lateral	7863	100%
Sugar City	Madison	IF Lateral	849	100%
Star	Ada	N of State St	4931	100%
Kuna	Ada	N of State St	7697	100%
Meridian	Ada	N of State St	40730	100%
Eagle	Ada	N of State St	12124	100%
Garden City	Ada	N of State St	4390	100%
Boise	Ada	N of State St	91140	100%
Middleton	Canyon	N of State St	3285	6%
Emmett	Gem	N of State St	2806	100%
Sun Valley	Blaine	Sun Valley	1943	100%
Ketchum	Blaine	Sun Valley	3994	100%
Hailey	Blaine	Sun Valley	3685	100%
Bellevue	Blaine	Sun Valley	990	100%
Shoshone	Lincoln	Sun Valley	465	100%
			352876	

COUNTY	District	
Ada	Boise	161012
Bannock	Pocatello	22348
Bear Lake	Pocatello	1219
Bingham	Pocatello	8259
Blaine	Twin Falls	10612
Bonneville	Idaho Falls	29293
Canyon	Nampa	56465
Caribou	Pocatello	1850
Cassia	Twin Falls	2936
Elmore	Boise	6618
Fremont	Idaho Falls	1213
Gem	Nampa	2806
Gooding	Twin Falls	1620
Jefferson	Idaho Falls	4977
Jerome	Twin Falls	3074
Lincoln	Twin Falls	465
Madison	Idaho Falls	8712
Minidoka	Twin Falls	1600
Owyhee	Nampa	389
Payette	Nampa	4326
Power	Pocatello	1189
Twin Falls	Twin Falls	20235
Washington	Nampa	1658
		352876

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	65	100%
Chubbuck	Bannock	All Other	433	100%
McCammon	Bannock	All Other	27	100%
Inkom	Bannock	All Other	21	100%
Pocatello	Bannock	All Other	2053	100%
Arimo	Bannock	All Other	4	100%
Georgetown	Bear Lake	All Other	8	100%
Montpelier	Bear Lake	All Other	203	100%
Aberdeen	Bingham	All Other	116	10%
Bancroft	Caribou	All Other	23	100%
Grace	Caribou	All Other	76	100%
Soda Springs	Caribou	All Other	212	100%
Burley	Cassia	All Other	665	100%
Declo	Cassia	All Other	19	100%
Malta	Cassia	All Other	17	100%
Raft River	Cassia	All Other	12	100%
Mountain Home	Elmore	All Other	529	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	88	100%
Gooding	Gooding	All Other	186	100%
Wendell	Gooding	All Other	120	100%
Jerome	Jerome	All Other	454	100%
Heyburn	Minidoka	All Other	83	100%
Rupert	Minidoka	All Other	272	100%
Paul	Minidoka	All Other	72	100%
Bruneau	Owyhee	All Other	15	14%
Payette	Payette	All Other	260	100%
Fruitland	Payette	All Other	187	100%
New Plymouth	Payette	All Other	85	100%
American Falls	Power	All Other	224	100%
Buhl	Twin Falls	All Other	199	100%
Filer	Twin Falls	All Other	99	100%
Twin Falls	Twin Falls	All Other	2232	100%
Kimberly	Twin Falls	All Other	134	100%
Hansen	Twin Falls	All Other	26	100%
Murtaugh	Twin Falls	All Other	18	100%
Weiser	Washington	All Other	244	100%
Caldwell	Canyon	Canyon Cnty	1284	97%
Parma	Canyon	Canyon Cnty	112	97%
Greenleaf	Canyon	Canyon Cnty	17	97%
Wilder	Canyon	Canyon Cnty	58	97%
Nampa	Canyon	Canyon Cnty	2672	97%
Homedale	Owyhee	Canyon Cnty	90	86%
MORELAND/RIVERSIDE	Bingham	IF Lateral	53	90%
Fort Hall	Bingham	IF Lateral	54	90%
Blackfoot	Bingham	IF Lateral	718	90%
Basalt	Bingham	IF Lateral	8	90%
Firth	Bingham	IF Lateral	34	90%
Shelley	Bingham	IF Lateral	165	90%
Ammon	Bonneville	IF Lateral	431	100%
Idaho Falls	Bonneville	IF Lateral	3188	100%
Iona	Bonneville	IF Lateral	34	100%
Ucon	Bonneville	IF Lateral	78	100%
Parker	Fremont	IF Lateral	6	100%
St Anthony	Fremont	IF Lateral	171	100%
Rigby	Jefferson	IF Lateral	325	100%
Ririe	Jefferson	IF Lateral	44	100%
Lewisville	Jefferson	IF Lateral	17	100%
Menan	Jefferson	IF Lateral	17	100%
Rexburg	Madison	IF Lateral	996	100%
Sugar City	Madison	IF Lateral	73	100%
Star	Ada	N of State St	134	100%
Kuna	Ada	N of State St	217	100%
Meridian	Ada	N of State St	2574	100%
Eagle	Ada	N of State St	757	100%
Garden City	Ada	N of State St	1351	100%
Boise	Ada	N of State St	7297	100%
Middleton	Canyon	N of State St	143	3%
Emmett	Gem	N of State St	349	100%
Sun Valley	Blaine	Sun Valley	62	100%
Ketchum	Blaine	Sun Valley	605	100%
Hailey	Blaine	Sun Valley	558	100%
Bellevue	Blaine	Sun Valley	176	100%
Shoshone	Lincoln	Sun Valley	91	100%
			34442	

COUNTY	District	
Ada	Boise	12330
Bannock	Pocatello	2603
Bear Lake	Pocatello	211
Bingham	Pocatello	1148
Blaine	Twin Falls	1401
Bonneville	Idaho Falls	3731
Canyon	Nampa	4286
Caribou	Pocatello	311
Cassia	Twin Falls	713
Elmore	Boise	619
Fremont	Idaho Falls	177
Gem	Nampa	349
Gooding	Twin Falls	306
Jefferson	Idaho Falls	403
Jerome	Twin Falls	454
Lincoln	Twin Falls	91
Madison	Idaho Falls	1069
Minidoka	Twin Falls	427
Owyhee	Nampa	105
Payette	Nampa	532
Power	Pocatello	224
Twin Falls	Twin Falls	2708
Washington	Nampa	244
		34442

Intermountain Gas Company

Customer Forecast – Low Growth Scenario

Integrated Resource Plan 2021 – 2026

Exhibit No. 2
Section E

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	2,076	2,299	2,311	2,313	2,439	2,158
Boise	2,372	2,671	2,552	2,506	2,674	2,401
Twin Falls	210	494	677	620	623	749
Pocatello	325	486	495	482	319	423
Idaho Falls	541	650	766	850	612	614
RS Total	5,525	6,600	6,800	6,770	6,666	6,346

ANNUAL COMMERCIAL GROWTH - by District

	2021	2022	2023	2024	2025	2026
Nampa	11	60	57	57	56	55
Boise	49	68	77	75	72	68
Twin Falls	(18)	16	19	16	16	13
Pocatello	(25)	1	(10)	(18)	(22)	(28)
Idaho Falls	25	55	58	57	54	52
GS Total	42	201	201	187	176	160

TOTAL GROWTH FORECAST - by District

	2021	2022	2023	2024	2025	2026
Nampa	2,087	2,359	2,368	2,370	2,494	2,213
Boise	2,421	2,739	2,629	2,581	2,747	2,469
Twin Falls	192	510	695	636	639	762
Pocatello	300	487	485	463	296	395
Idaho Falls	566	705	824	907	666	666
Total	**5,566**	**6,801**	**7,001**	**6,957**	**6,842**	**6,506**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	1,984	2,139	2,044	1,848	1,660	1,597
Sun Valley	67	82	83	82	81	95
IF Lateral	739	793	811	890	644	650
N of State St	923	950	1,141	1,094	799	974
Central Ada Mix	725	1,100	991	900	1,127	1,046
All Other	1,087	1,535	1,730	1,956	2,356	1,984
Total	5,525	6,600	6,800	6,770	6,666	6,346

ANNUAL COMMERCIAL GROWTH - by IRP Node

	2021	2022	2023	2024	2025	2026
Canyon Cnty	27	52	49	47	46	44
Sun Valley	(14)	(5)	(9)	(12)	(14)	(16)
IF Lateral	22	53	54	50	46	41
N of State St	16	26	29	30	29	28
Central Ada Mix	14	23	25	26	25	24
All Other	(23)	51	52	46	44	38
Total	42	201	201	187	176	160

TOTAL GROWTH FORECAST - by IRP Node

	2019	2020	2021	2022	2023	
Canyon Cnty	2,010	2,192	2,093	1,895	1,705	1,641
Sun Valley	53	78	74	71	67	79
IF Lateral	761	846	865	940	689	691
N of State St	939	976	1,170	1,124	828	1,003
Central Ada Mix	739	1,123	1,016	926	1,152	1,070
All Other	1,065	1,586	1,782	2,002	2,400	2,022
Total	5,566	6,801	7,002	6,957	6,842	6,505

CUSTOMER COUNT FORECAST
LOW CASE

TOTAL IGC SALES FORECAST

ANNUAL RESIDENTIAL GROWTH - by District

	CUST COUNT	LOW					
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	65,644	67,720	70,019	72,331	74,644	77,082	79,241
Boise	167,630	170,002	172,673	175,225	177,731	180,405	182,806
Twin Falls	40,542	40,752	41,246	41,922	42,542	43,165	43,914
Pocatello	34,865	35,190	35,676	36,171	36,652	36,971	37,394
Idaho Falls	44,195	44,736	45,386	46,152	47,002	47,614	48,228
RS Total	352,876	358,401	365,000	371,801	378,571	385,237	391,583

ANNUAL COMMERCIAL GROWTH - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	5,516	5,527	5,587	5,644	5,701	5,756	5,811
Boise	12,949	12,998	13,066	13,143	13,218	13,290	13,358
Twin Falls	6,100	6,082	6,099	6,118	6,134	6,150	6,163
Pocatello	4,497	4,472	4,473	4,464	4,445	4,423	4,395
Idaho Falls	5,380	5,405	5,460	5,518	5,574	5,629	5,680
GS Total	34,442	34,484	34,684	34,886	35,073	35,248	35,408

TOTAL GROWTH FORECAST - by District

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nampa	71,160	73,247	75,606	77,975	80,345	82,839	85,052
Boise	180,579	183,000	185,739	188,368	190,949	193,696	196,164
Twin Falls	46,642	46,834	47,345	48,040	48,676	49,315	50,077
Pocatello	39,362	39,662	40,149	40,634	41,098	41,394	41,789
Idaho Falls	49,575	50,141	50,846	51,669	52,576	53,242	53,909
Total	387,318	**392,884**	**399,685**	**406,686**	**413,644**	**420,486**	**426,991**

ANNUAL RESIDENTIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	53,523	55,507	57,646	59,690	61,537	63,197	64,794
Sun Valley	11,077	11,144	11,226	11,310	11,392	11,473	11,568
IF Lateral	51,977	52,716	53,509	54,320	55,210	55,854	56,503
N of State St	52,518	53,441	54,391	55,532	56,626	57,425	58,399
Central Ada Mix	53,142	53,867	54,967	55,958	56,858	57,985	59,031
All Other	130,639	131,726	133,261	134,991	136,948	139,304	141,288
Total	352,876	358,401	365,000	371,801	378,571	385,238	391,583

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	4,233	4,260	4,312	4,361	4,409	4,454	4,498
Sun Valley	1,492	1,478	1,474	1,465	1,453	1,440	1,424
IF Lateral	6,412	6,434	6,487	6,541	6,592	6,637	6,679
N of State St	4,301	4,317	4,343	4,372	4,402	4,431	4,459
Central Ada Mix	3,730	3,744	3,766	3,792	3,817	3,842	3,867
All Other	14,274	14,251	14,302	14,354	14,400	14,444	14,482
Total	34,442	34,484	34,684	34,886	35,073	35,248	35,408

TOTAL GROWTH FORECAST - by IRP Node

	CUST COUNT						
	2020	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Canyon Cnty	57,756	59,766	61,958	64,051	65,946	67,651	69,292
Sun Valley	12,569	12,622	12,700	12,774	12,845	12,913	12,992
IF Lateral	58,389	59,150	59,996	60,861	61,802	62,491	63,182
N of State St	56,819	57,758	58,734	59,904	61,028	61,855	62,858
Central Ada Mix	56,872	57,611	58,733	59,750	60,676	61,828	62,898
All Other	144,913	145,978	147,564	149,346	151,348	153,748	155,770
Total	387,318	392,884	399,685	406,686	413,644	420,486	426,991

LOWCASE
GROWTH DETAIL

					2021 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	569	558	27	585
Bannock	Pocatello	All Other	67%	15%	322	216	32	247
Bear Lake	Pocatello	All Other	67%	15%	394	264	39	303
Bingham	Pocatello	IF Lateral	67%	15%	(69)	(46)	(7)	(53)
Blaine	Twin Falls	Sun Valley	73%	12%	(54)	(39)	(5)	(44)
Bonneville	Idaho Falls	IF Lateral	66%	15%	(85)	(56)	(8)	(64)
Canyon	Nampa	Canyon Cnty	89%	5%	(904)	(805)	(39)	(844)
Caribou	Pocatello	All Other	67%	15%	(198)	(133)	(19)	(152)
Cassia	Twin Falls	All Other	73%	12%	(125)	(91)	(11)	(102)
Elmore	Boise	All Other	98%	5%	(985)	(965)	(47)	(1,013)
Fremont	Idaho Falls	IF Lateral	66%	15%	10	7	1	8
Gem	Nampa	N of State St	89%	5%	(120)	(107)	(5)	(112)
Gooding	Twin Falls	All Other	73%	12%	(151)	(110)	(13)	(123)
Jefferson	Idaho Falls	IF Lateral	66%	15%	120	79	12	91
Jerome	Twin Falls	All Other	73%	12%	12	9	1	10
Lincoln	Twin Falls	Sun Valley	73%	12%	136	99	12	111
Madison	Idaho Falls	IF Lateral	66%	15%	341	225	33	258
Minidoka	Twin Falls	All Other	73%	12%	(356)	(260)	(31)	(291)
Owyhee	Nampa	Canyon Cnty	89%	5%	(292)	(260)	(13)	(273)
Payette	Nampa	All Other	89%	5%	(239)	(213)	(10)	(223)
Power	Pocatello	All Other	67%	15%	(26)	(17)	(3)	(20)
Twin Falls	Twin Falls	All Other	73%	12%	244	178	21	199
Washington	Nampa	All Other	89%	5%	30	27	1	28
					(1,426)			(1,474)

LOWCASE
GROWTH DETAIL

					2022 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	2,049	2,008	98	2,106
Bannock	Pocatello	All Other	67%	15%	555	372	54	426
Bear Lake	Pocatello	All Other	67%	15%	59	40	6	45
Bingham	Pocatello	IF Lateral	67%	15%	56	38	5	43
Blaine	Twin Falls	Sun Valley	73%	12%	53	39	5	43
Bonneville	Idaho Falls	IF Lateral	66%	15%	285	188	28	216
Canyon	Nampa	Canyon Cnty	89%	5%	961	855	42	897
Caribou	Pocatello	All Other	67%	15%	(33)	(22)	(3)	(25)
Cassia	Twin Falls	All Other	73%	12%	(12)	(9)	(1)	(10)
Elmore	Boise	All Other	98%	5%	(236)	(231)	(11)	(243)
Fremont	Idaho Falls	IF Lateral	66%	15%	49	32	5	37
Gem	Nampa	N of State St	89%	5%	(60)	(53)	(3)	(56)
Gooding	Twin Falls	All Other	73%	12%	(26)	(19)	(2)	(21)
Jefferson	Idaho Falls	IF Lateral	66%	15%	107	71	10	81
Jerome	Twin Falls	All Other	73%	12%	69	50	6	56
Lincoln	Twin Falls	Sun Valley	73%	12%	48	35	4	39
Madison	Idaho Falls	IF Lateral	66%	15%	418	276	40	316
Minidoka	Twin Falls	All Other	73%	12%	(73)	(53)	(6)	(60)
Owyhee	Nampa	Canyon Cnty	89%	5%	(62)	(55)	(3)	(58)
Payette	Nampa	All Other	89%	5%	(15)	(13)	(1)	(14)
Power	Pocatello	All Other	67%	15%	(4)	(3)	(0)	(3)
Twin Falls	Twin Falls	All Other	73%	12%	546	399	47	446
Washington	Nampa	All Other	89%	5%	32	28	1	30
					4,766	3,971	321	4,293

LOWCASE
GROWTH DETAIL

					2023 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	2,431	2,382	116	2,499
Bannock	Pocatello	All Other	67%	15%	566	379	56	435
Bear Lake	Pocatello	All Other	67%	15%	57	38	6	44
Bingham	Pocatello	IF Lateral	67%	15%	59	40	6	45
Blaine	Twin Falls	Sun Valley	73%	12%	53	39	5	43
Bonneville	Idaho Falls	IF Lateral	66%	15%	280	185	27	212
Canyon	Nampa	Canyon Cnty	89%	5%	969	862	42	905
Caribou	Pocatello	All Other	67%	15%	(34)	(23)	(3)	(26)
Cassia	Twin Falls	All Other	73%	12%	(19)	(14)	(2)	(16)
Elmore	Boise	All Other	98%	5%	(240)	(235)	(12)	(247)
Fremont	Idaho Falls	IF Lateral	66%	15%	52	34	5	39
Gem	Nampa	N of State St	89%	5%	(62)	(55)	(3)	(58)
Gooding	Twin Falls	All Other	73%	12%	(24)	(18)	(2)	(20)
Jefferson	Idaho Falls	IF Lateral	66%	15%	107	71	10	81
Jerome	Twin Falls	All Other	73%	12%	71	52	6	58
Lincoln	Twin Falls	Sun Valley	73%	12%	49	36	4	40
Madison	Idaho Falls	IF Lateral	66%	15%	442	292	43	334
Minidoka	Twin Falls	All Other	73%	12%	(83)	(61)	(7)	(68)
Owyhee	Nampa	Canyon Cnty	89%	5%	(65)	(58)	(3)	(61)
Payette	Nampa	All Other	89%	5%	(15)	(13)	(1)	(14)
Power	Pocatello	All Other	67%	15%	(4)	(3)	(0)	(3)
Twin Falls	Twin Falls	All Other	73%	12%	782	571	67	638
Washington	Nampa	All Other	89%	5%	42	37	2	39
					5,414	4,539	363	4,901

LOWCASE
GROWTH DETAIL

					2024 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	2,388	2,340	114	2,455
Bannock	Pocatello	All Other	67%	15%	556	373	55	427
Bear Lake	Pocatello	All Other	67%	15%	58	39	6	45
Bingham	Pocatello	IF Lateral	67%	15%	52	35	5	40
Blaine	Twin Falls	Sun Valley	73%	12%	55	40	5	45
Bonneville	Idaho Falls	IF Lateral	66%	15%	262	173	25	198
Canyon	Nampa	Canyon Cnty	89%	5%	974	867	42	909
Caribou	Pocatello	All Other	67%	15%	(34)	(23)	(3)	(26)
Cassia	Twin Falls	All Other	73%	12%	(25)	(18)	(2)	(20)
Elmore	Boise	All Other	98%	5%	(242)	(237)	(12)	(249)
Fremont	Idaho Falls	IF Lateral	66%	15%	51	34	5	39
Gem	Nampa	N of State St	89%	5%	(65)	(58)	(3)	(61)
Gooding	Twin Falls	All Other	73%	12%	(30)	(22)	(3)	(24)
Jefferson	Idaho Falls	IF Lateral	66%	15%	102	67	10	77
Jerome	Twin Falls	All Other	73%	12%	63	46	5	51
Lincoln	Twin Falls	Sun Valley	73%	12%	46	34	4	38
Madison	Idaho Falls	IF Lateral	66%	15%	439	290	42	332
Minidoka	Twin Falls	All Other	73%	12%	(86)	(63)	(7)	(70)
Owyhee	Nampa	Canyon Cnty	89%	5%	(66)	(59)	(3)	(62)
Payette	Nampa	All Other	89%	5%	(21)	(19)	(1)	(20)
Power	Pocatello	All Other	67%	15%	(5)	(3)	(0)	(4)
Twin Falls	Twin Falls	All Other	73%	12%	555	405	48	453
Washington	Nampa	All Other	89%	5%	49	44	2	46
					5,076	4,284	335	4,618

LOWCASE
GROWTH DETAIL

					2025 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	2,299	2,253	110	2,363
Bannock	Pocatello	All Other	67%	15%	536	359	53	412
Bear Lake	Pocatello	All Other	67%	15%	(209)	(140)	(21)	(161)
Bingham	Pocatello	IF Lateral	67%	15%	41	27	4	31
Blaine	Twin Falls	Sun Valley	73%	12%	46	34	4	38
Bonneville	Idaho Falls	IF Lateral	66%	15%	231	152	22	175
Canyon	Nampa	Canyon Cnty	89%	5%	607	540	26	567
Caribou	Pocatello	All Other	67%	15%	52	35	5	40
Cassia	Twin Falls	All Other	73%	12%	6	4	1	5
Elmore	Boise	All Other	98%	5%	108	106	5	111
Fremont	Idaho Falls	IF Lateral	66%	15%	48	32	5	36
Gem	Nampa	N of State St	89%	5%	(69)	(61)	(3)	(64)
Gooding	Twin Falls	All Other	73%	12%	6	4	1	5
Jefferson	Idaho Falls	IF Lateral	66%	15%	95	63	9	72
Jerome	Twin Falls	All Other	73%	12%	57	42	5	47
Lincoln	Twin Falls	Sun Valley	73%	12%	(8)	(6)	(1)	(7)
Madison	Idaho Falls	IF Lateral	66%	15%	435	287	42	329
Minidoka	Twin Falls	All Other	73%	12%	43	31	4	35
Owyhee	Nampa	Canyon Cnty	89%	5%	46	41	2	43
Payette	Nampa	All Other	89%	5%	58	52	3	54
Power	Pocatello	All Other	67%	15%	(5)	(3)	(0)	(4)
Twin Falls	Twin Falls	All Other	73%	12%	613	447	53	500
Washington	Nampa	All Other	89%	5%	42	37	2	39
					5,078	4,337	330	4,666

LOWCASE
GROWTH DETAIL

					2026 Info			
COUNTY	IGC District (mostly)	IRP Node (mostly)	Penetration %	Conversion %	County Growth	IGC's Growth - regular	IGC's Growth - conversion	Add'l Customer - RS
	tab: mapping	tab: mapping	(based on district	(based on district)	tab: Data (Base Case)	(county growth * Penetration %)	(county growth * conversion %)	(regular + conversion)
Ada	Boise	N of State St	98%	5%	2,469	2,420	118	2,538
Bannock	Pocatello	All Other	67%	15%	537	360	53	412
Bear Lake	Pocatello	All Other	67%	15%	(13)	(9)	(1)	(10)
Bingham	Pocatello	IF Lateral	67%	15%	46	31	5	35
Blaine	Twin Falls	Sun Valley	73%	12%	51	37	4	42
Bonneville	Idaho Falls	IF Lateral	66%	15%	235	155	23	178
Canyon	Nampa	Canyon Cnty	89%	5%	571	508	25	533
Caribou	Pocatello	All Other	67%	15%	(13)	(9)	(1)	(10)
Cassia	Twin Falls	All Other	73%	12%	(21)	(15)	(2)	(17)
Elmore	Boise	All Other	98%	5%	(153)	(150)	(7)	(157)
Fremont	Idaho Falls	IF Lateral	66%	15%	46	30	4	35
Gem	Nampa	N of State St	89%	5%	(68)	(61)	(3)	(63)
Gooding	Twin Falls	All Other	73%	12%	(35)	(26)	(3)	(29)
Jefferson	Idaho Falls	IF Lateral	66%	15%	96	63	9	73
Jerome	Twin Falls	All Other	73%	12%	61	45	5	50
Lincoln	Twin Falls	Sun Valley	73%	12%	31	23	3	25
Madison	Idaho Falls	IF Lateral	66%	15%	435	287	42	329
Minidoka	Twin Falls	All Other	73%	12%	(58)	(42)	(5)	(47)
Owyhee	Nampa	Canyon Cnty	89%	5%	(39)	(35)	(2)	(36)
Payette	Nampa	All Other	89%	5%	(14)	(12)	(1)	(13)
Power	Pocatello	All Other	67%	15%	(6)	(4)	(1)	(5)
Twin Falls	Twin Falls	All Other	73%	12%	889	649	77	726
Washington	Nampa	All Other	89%	5%	41	36	2	38
					5,088	4,282	344	4,626

LOW CASE
DATA INPUTS

Source: 2020 Economic Forecast (BASE, HIGH, LOW)

From John Churchs' HouseHold forecast by County

HOUSEHOLDS

ALL IDAHO COUNTIES	2020	2021	2022	2023	2024	2025	2026
Ada	186,718	187,287	189,336	191,767	194,155	196,454	198,923
Adams	1,878	1,883	1,902	1,923	1,943	1,962	1,981
Bannock	35,498	35,820	36,375	36,941	37,497	38,033	38,570
Bear Lake	2,009	2,403	2,462	2,519	2,577	2,368	2,355
Benewah	3,951	3,887	3,862	3,837	3,811	3,781	3,751
Bingham	16,960	16,891	16,947	17,006	17,058	17,099	17,145
Blaine	9,945	9,891	9,944	9,997	10,052	10,098	10,149
Boise	4,644	4,389	4,320	4,253	4,187	4,188	4,138
Bonner	20,646	20,425	20,422	20,416	20,401	20,363	20,336
Bonneville	43,292	43,207	43,492	43,772	44,034	44,265	44,500
Boundary	5,147	5,107	5,123	5,138	5,149	5,155	5,159
Butte	1,048	1,049	1,053	1,059	1,063	1,066	1,067
Camas	726	726	733	741	748	755	764
Canyon	78,508	77,604	78,565	79,534	80,508	81,115	81,686
Caribou	4,320	4,122	4,089	4,055	4,021	4,073	4,060
Cassia	9,106	8,981	8,969	8,950	8,925	8,931	8,910
Clark	360	353	349	345	340	336	331
Clearwater	4,720	4,755	4,784	4,810	4,835	4,858	4,882
Custer	2,906	2,904	2,920	2,938	2,952	2,966	2,978
Elmore	16,752	15,767	15,531	15,291	15,049	15,157	15,004
Franklin	4,036	4,075	4,135	4,194	4,253	4,308	4,365
Fremont	4,566	4,576	4,625	4,677	4,728	4,776	4,822
Gem	9,022	8,902	8,842	8,780	8,715	8,646	8,578
Gooding	6,328	6,177	6,151	6,127	6,097	6,103	6,068
Idaho	9,533	9,536	9,593	9,652	9,707	9,757	9,797
Jefferson	9,541	9,661	9,768	9,875	9,977	10,072	10,168
Jerome	7,410	7,422	7,491	7,562	7,625	7,682	7,743
Kootenai	66,814	66,445	66,814	67,151	67,436	67,647	67,891
Latah	15,799	15,711	15,701	15,680	15,645	15,595	15,519
Lemhi	4,453	4,417	4,412	4,408	4,401	4,391	4,376
Lewis	1,869	1,869	1,876	1,880	1,883	1,884	1,884
Lincoln	892	1,028	1,076	1,125	1,171	1,163	1,194
Madison	5,701	6,042	6,460	6,902	7,341	7,776	8,211
Minidoka	10,312	9,956	9,883	9,800	9,714	9,757	9,699
Nez Perce	18,324	18,108	18,135	18,163	18,190	18,288	18,297
Oneida	2,399	2,309	2,298	2,285	2,272	2,297	2,291
Owyhee	6,272	5,980	5,918	5,853	5,787	5,833	5,794
Payette	10,471	10,232	10,217	10,202	10,181	10,239	10,225
Power	2,412	2,386	2,382	2,378	2,373	2,368	2,362
Shoshone	7,608	7,468	7,406	7,337	7,267	7,193	7,125
Teton	3,339	3,493	3,683	3,884	4,089	4,295	4,505
Twin Falls	24,067	24,311	24,857	25,639	26,194	26,807	27,696
Valley	3,241	3,325	3,359	3,501	3,655	3,900	4,242
Washington	3,797	3,827	3,859	3,901	3,950	3,992	4,033
State of Idaho	687,340	684,707	690,119	696,248	701,956	707,792	713,574

HOUSEHOLDS

COUNTIES IN IGC SERVICE AREA	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Ada	186,718	187,287	189,336	191,767	194,155	196,454	198,923
Bannock	35,498	35,820	36,375	36,941	37,497	38,033	38,570
Bear Lake	2,009	2,403	2,462	2,519	2,577	2,368	2,355
Bingham	16,960	16,891	16,947	17,006	17,058	17,099	17,145
Blaine	9,945	9,891	9,944	9,997	10,052	10,098	10,149
Bonneville	43,292	43,207	43,492	43,772	44,034	44,265	44,500
Canyon	78,508	77,604	78,565	79,534	80,508	81,115	81,686
Caribou	4,320	4,122	4,089	4,055	4,021	4,073	4,060
Cassia	9,106	8,981	8,969	8,950	8,925	8,931	8,910
Elmore	16,752	15,767	15,531	15,291	15,049	15,157	15,004
Fremont	4,566	4,576	4,625	4,677	4,728	4,776	4,822
Gem	9,022	8,902	8,842	8,780	8,715	8,646	8,578
Gooding	6,328	6,177	6,151	6,127	6,097	6,103	6,068
Jefferson	9,541	9,661	9,768	9,875	9,977	10,072	10,168
Jerome	7,410	7,422	7,491	7,562	7,625	7,682	7,743
Lincoln	892	1,028	1,076	1,125	1,171	1,163	1,194
Madison	5,701	6,042	6,460	6,902	7,341	7,776	8,211
Minidoka	10,312	9,956	9,883	9,800	9,714	9,757	9,699
Owyhee	6,272	5,980	5,918	5,853	5,787	5,833	5,794
Payette	10,471	10,232	10,217	10,202	10,181	10,239	10,225
Power	2,412	2,386	2,382	2,378	2,373	2,368	2,362
Twin Falls	24,067	24,311	24,857	25,639	26,194	26,807	27,696
Washington	3,797	3,827	3,859	3,901	3,950	3,992	4,033
	503,899	502,473	507,239	512,653	517,729	522,807	527,895
		(1,426)	4,766	5,414	5,076	5,078	5,088

HOUSEHOLD GROWTH

	2021	**2022**	**2023**	**2024**	**2025**	**2026**
Ada	569	2,049	2,431	2,388	2,299	2,469
Bannock	322	555	566	556	536	537
Bear Lake	394	59	57	58	(209)	(13)
Bingham	(69)	56	59	52	41	46
Blaine	(54)	53	53	55	46	51
Bonneville	(85)	285	280	262	231	235
Canyon	(904)	961	969	974	607	571
Caribou	(198)	(33)	(34)	(34)	52	(13)
Cassia	(125)	(12)	(19)	(25)	6	(21)
Elmore	(985)	(236)	(240)	(242)	108	(153)
Fremont	10	49	52	51	48	46
Gem	(120)	(60)	(62)	(65)	(69)	(68)
Gooding	(151)	(26)	(24)	(30)	6	(35)
Jefferson	120	107	107	102	95	96
Jerome	12	69	71	63	57	61
Lincoln	136	48	49	46	(8)	31
Madison	341	418	442	439	435	435
Minidoka	(356)	(73)	(83)	(86)	43	(58)
Owyhee	(292)	(62)	(65)	(66)	46	(39)
Payette	(239)	(15)	(15)	(21)	58	(14)
Power	(26)	(4)	(4)	(5)	(5)	(6)
Twin Falls	244	546	782	555	613	889
Washington	30	32	42	49	42	41
total change for IGC's area	(1,426)	4,766	5,414	5,076	5,078	5,088

DATA MAPPING
BASE/LOW/HIGH

COUNTY	TOWN	IGC District	IRP Node	IGC District Comments	IGC District Comments
Ada	Star	Boise	N of State St	Nampa	N of State St
Ada	Kuna	Boise	N of State St		All Other
Ada	Meridian	Boise	N of State St		Central Ada Mix
Ada	Eagle	Boise	N of State St		N of State St
Ada	Garden City	Boise	N of State St		N of State St
Ada	Boise	Boise	N of State St		Central Ada Mix
Bannock	Lava Hot Springs	Pocatello	All Other		
Bannock	Chubbuck	Pocatello	All Other		
Bannock	McCammon	Pocatello	All Other		
Bannock	Inkom	Pocatello	All Other		
Bannock	Pocatello	Pocatello	All Other		
Bannock	Arimo	Pocatello	All Other		
Bear Lake	Georgetown	Pocatello	All Other		
Bear Lake	Montpelier	Pocatello	All Other		
Bingham	Moreland-Riverside	Pocatello	IF Lateral		
Bingham	Fort Hall	Pocatello	IF Lateral		
Bingham	Blackfoot	Pocatello	IF Lateral		
Bingham	Basalt	Pocatello	IF Lateral	Idaho Falls	
Bingham	Firth	Pocatello	IF Lateral	Idaho Falls	
Bingham	Shelley	Pocatello	IF Lateral	Idaho Falls	
Bingham	Aberdeen	Pocatello	All Other		
Blaine	Sun Valley	Twin Falls	Sun Valley		
Blaine	Ketchum	Twin Falls	Sun Valley		
Blaine	Hailey	Twin Falls	Sun Valley		
Blaine	Bellevue	Twin Falls	Sun Valley		
Bonneville	Ammon	Idaho Falls	IF Lateral		
Bonneville	Idaho Falls	Idaho Falls	IF Lateral		
Bonneville	Iona	Idaho Falls	IF Lateral		
Bonneville	Ucon	Idaho Falls	IF Lateral		
Canyon	Caldwell	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Parma	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Greenleaf	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Wilder	Nampa	Canyon Cnty		Canyon Cnty
Canyon	Middleton	Nampa	Canyon Cnty		N of State St
Canyon	Nampa	Nampa	Canyon Cnty		Canyon Cnty
Caribou	Bancroft	Pocatello	All Other		
Caribou	Grace	Pocatello	All Other		
Caribou	Soda Springs	Pocatello	All Other		
Cassia	Burley	Twin Falls	All Other		
Cassia	Declo	Twin Falls	All Other		
Cassia	Malta	Twin Falls	All Other		
Cassia	Raft River	Twin Falls	All Other		
Elmore	Mountain Home	Boise	All Other		
Elmore	Hammett	Boise	All Other		
Elmore	Glenns Ferry	Boise	All Other		
Fremont	Parker	Idaho Falls	IF Lateral		
Fremont	St. Anthony	Idaho Falls	IF Lateral		
Gem	Emmett	Nampa	N of State St		
Gooding	Gooding	Twin Falls	All Other		
Gooding	Wendell	Twin Falls	All Other		
Jefferson	Rigby	Idaho Falls	IF Lateral		
Jefferson	Ririe	Idaho Falls	IF Lateral		
Jefferson	Lewisville	Idaho Falls	IF Lateral		
Jefferson	Menan	Idaho Falls	IF Lateral		
Jerome	Jerome	Twin Falls	All Other		
Lincoln	Shoshone	Twin Falls	Sun Valley		
Madison	Rexburg	Idaho Falls	IF Lateral		
Madison	Sugar City	Idaho Falls	IF Lateral		
Minidoka	Heyburn	Twin Falls	All Other		
Minidoka	Rupert	Twin Falls	All Other		
Minidoka	Paul	Twin Falls	All Other		
Owyhee	Homedale	Nampa	Canyon Cnty		Canyon Cnty
Owyhee	Bruneau	Nampa	All Other		All Other
Payette	Payette	Nampa	All Other		
Payette	Fruitland	Nampa	All Other		
Payette	New Plymouth	Nampa	All Other		
Power	American Falls	Pocatello	All Other		
Twin Falls	Buhl	Twin Falls	All Other		
Twin Falls	Filer	Twin Falls	All Other		
Twin Falls	Twin Falls	Twin Falls	All Other		
Twin Falls	Kimberly	Twin Falls	All Other		
Twin Falls	Hansen	Twin Falls	All Other		
Twin Falls	Murtaugh	Twin Falls	All Other		
Washington	Weiser	Nampa	All Other		

IGC District	Market Share %	Conversion %
Nampa	89.00%	4.89%
Boise	98.00%	4.89%
Twin Falls	73.00%	11.80%
Pocatello	67.00%	14.64%
Idaho Falls	66.00%	14.64%
	Updated	Updated

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	All Other
Acts	Jan-20	2020	1	4162	1486	6291	12657	9401
Acts	Feb-20	2020	2	4168	1485	6299	12686	9409
Acts	Mar-20	2020	3	4179	1487	6317	12696	9420
Acts	Apr-20	2020	4	4180	1487	6310	12692	9414
Acts	May-20	2020	5	4170	1483	6305	12675	9401
Acts	Jun-20	2020	6	4173	1483	6298	12670	9400
Acts	Jul-20	2020	7	4184	1483	6286	12665	9391
Acts	Aug-20	2020	8	4184	1478	6288	12656	9377
Acts	Sep-20	2020	9	4176	1481	6284	12661	9374
Acts	Oct-20	2020	10	4177	1486	6304	12685	9401
Acts	Nov-20	2020	11	4196	1492	6338	12750	9457
Acts	Dec-20	2020	12	4233	1492	6412	12822	9483
Acts	Jan-21	2021	1	4245	1493	6430	12853	9509
Acts	Feb-21	2021	2	4257	1491	6454	12873	9522
Acts	Mar-21	2021	3	4271	1491	6474	12879	9538
136	Apr-21	2021	4	4243	1488	6450	12836	9500
137	May-21	2021	5	4230	1483	6425	12800	9467
138	Jun-21	2021	6	4219	1476	6395	12772	9422
139	Jul-21	2021	7	4211	1471	6365	12742	9380
140	Aug-21	2021	8	4206	1468	6342	12724	9349
141	Sep-21	2021	9	4199	1468	6330	12714	9330
142	Oct-21	2021	10	4211	1471	6344	12736	9356
143	Nov-21	2021	11	4235	1475	6385	12797	9407
144	Dec-21	2021	12	4260	1478	6434	12869	9443
145	Jan-22	2022	1	4292	1478	6463	12912	9470
146	Feb-22	2022	2	4292	1478	6472	12921	9474
147	Mar-22	2022	3	4297	1477	6485	12922	9474
148	Apr-22	2022	4	4290	1475	6475	12901	9462
149	May-22	2022	5	4280	1472	6457	12871	9445
150	Jun-22	2022	6	4270	1468	6434	12844	9416
151	Jul-22	2022	7	4263	1465	6410	12812	9388
152	Aug-22	2022	8	4258	1463	6390	12797	9366
153	Sep-22	2022	9	4251	1464	6380	12783	9352
154	Oct-22	2022	10	4264	1467	6396	12811	9382
155	Nov-22	2022	11	4288	1471	6437	12875	9431
156	Dec-22	2022	12	4312	1474	6487	12947	9465
157	Jan-23	2023	1	4344	1473	6516	12991	9488
158	Feb-23	2023	2	4344	1472	6525	13000	9490
159	Mar-23	2023	3	4348	1471	6537	13002	9491
160	Apr-23	2023	4	4342	1469	6528	12983	9479
161	May-23	2023	5	4331	1466	6511	12955	9462
162	Jun-23	2023	6	4322	1462	6489	12929	9436
163	Jul-23	2023	7	4314	1458	6465	12897	9409
164	Aug-23	2023	8	4309	1456	6446	12883	9388
165	Sep-23	2023	9	4302	1456	6436	12869	9375
166	Oct-23	2023	10	4314	1459	6451	12897	9402
167	Nov-23	2023	11	4338	1462	6492	12962	9452
168	Dec-23	2023	12	4361	1465	6541	13034	9484
169	Jan-24	2024	1	4393	1464	6570	13078	9509
170	Feb-24	2024	2	4393	1463	6580	13087	9511
171	Mar-24	2024	3	4397	1462	6592	13088	9512
172	Apr-24	2024	4	4390	1459	6582	13070	9499
173	May-24	2024	5	4379	1456	6565	13042	9481
174	Jun-24	2024	6	4370	1451	6542	13017	9453
175	Jul-24	2024	7	4362	1447	6517	12986	9424
176	Aug-24	2024	8	4357	1444	6498	12971	9402
177	Sep-24	2024	9	4349	1445	6487	12958	9388
178	Oct-24	2024	10	4362	1447	6502	12986	9415
179	Nov-24	2024	11	4385	1451	6543	13050	9464
180	Dec-24	2024	12	4409	1453	6592	13122	9497
181	Jan-25	2025	1	4440	1452	6620	13166	9522
182	Feb-25	2025	2	4440	1451	6629	13175	9523
183	Mar-25	2025	3	4444	1449	6640	13177	9524
184	Apr-25	2025	4	4437	1447	6631	13158	9511
185	May-25	2025	5	4426	1443	6613	13130	9493
186	Jun-25	2025	6	4417	1439	6590	13105	9465
187	Jul-25	2025	7	4409	1434	6565	13073	9437
188	Aug-25	2025	8	4403	1432	6545	13059	9414
189	Sep-25	2025	9	4396	1432	6534	13045	9400
190	Oct-25	2025	10	4408	1434	6548	13073	9427
191	Nov-25	2025	11	4431	1438	6589	13137	9476
192	Dec-25	2025	12	4454	1440	6637	13208	9509
193	Jan-26	2026	1	4486	1438	6665	13252	9532
194	Feb-26	2026	2	4486	1437	6673	13261	9534
195	Mar-26	2026	3	4490	1435	6684	13262	9533
196	Apr-26	2026	4	4482	1432	6674	13244	9520
197	May-26	2026	5	4472	1428	6657	13216	9502
198	Jun-26	2026	6	4462	1424	6633	13190	9474
199	Jul-26	2026	7	4454	1420	6608	13159	9446
200	Aug-26	2026	8	4448	1417	6588	13144	9423
201	Sep-26	2026	9	4440	1416	6577	13130	9408
202	Oct-26	2026	10	4452	1419	6590	13157	9435
203	Nov-26	2026	11	4475	1422	6631	13221	9483
204	Dec-26	2026	12	4498	1424	6679	13292	9515

Commercial Customer
Forecast Results

	Date	Year	Month	Canyon Cnty	Sun Valley	IF Lateral	N of State St	Central Ada Mix	All Other
Acts	Jan-20	2020	1	4162	1486	6291	4246	3682	14130
Acts	Feb-20	2020	2	4168	1485	6299	4255	3690	14149
Acts	Mar-20	2020	3	4179	1487	6317	4259	3693	14164
Acts	Apr-20	2020	4	4180	1487	6310	4257	3692	14156
Acts	May-20	2020	5	4170	1483	6305	4252	3687	14137
Acts	Jun-20	2020	6	4173	1483	6298	4250	3686	14135
Acts	Jul-20	2020	7	4184	1483	6286	4248	3684	14124
Acts	Aug-20	2020	8	4184	1478	6288	4245	3682	14106
Acts	Sep-20	2020	9	4176	1481	6284	4247	3683	14105
Acts	Oct-20	2020	10	4177	1486	6304	4255	3690	14140
Acts	Nov-20	2020	11	4196	1492	6338	4277	3709	14221
Acts	Dec-20	2020	12	4233	1492	6412	4301	3730	14274
Acts	Jan-21	2021	1	4245	1493	6430	4312	3739	14311
Acts	Feb-21	2021	2	4257	1491	6454	4318	3745	14332
Acts	Mar-21	2021	3	4271	1491	6474	4320	3747	14351
136	Apr-21	2021	4	4243	1488	6450	4306	3734	14297
137	May-21	2021	5	4230	1483	6425	4294	3724	14250
138	Jun-21	2021	6	4219	1476	6395	4284	3716	14194
139	Jul-21	2021	7	4211	1471	6365	4274	3707	14141
140	Aug-21	2021	8	4206	1468	6342	4268	3702	14103
141	Sep-21	2021	9	4199	1468	6330	4265	3699	14081
142	Oct-21	2021	10	4211	1471	6344	4272	3705	14115
143	Nov-21	2021	11	4235	1475	6385	4293	3723	14189
144	Dec-21	2021	12	4260	1478	6434	4317	3744	14251
145	Jan-22	2022	1	4292	1478	6463	4331	3756	14295
146	Feb-22	2022	2	4292	1478	6472	4334	3759	14301
147	Mar-22	2022	3	4297	1477	6485	4335	3759	14303
148	Apr-22	2022	4	4290	1475	6475	4328	3753	14283
149	May-22	2022	5	4280	1472	6457	4317	3744	14254
150	Jun-22	2022	6	4270	1468	6434	4308	3736	14215
151	Jul-22	2022	7	4263	1465	6410	4298	3727	14175
152	Aug-22	2022	8	4258	1463	6390	4292	3723	14147
153	Sep-22	2022	9	4251	1464	6380	4288	3719	14128
154	Oct-22	2022	10	4264	1467	6396	4297	3727	14168
155	Nov-22	2022	11	4288	1471	6437	4319	3746	14242
156	Dec-22	2022	12	4312	1474	6487	4343	3766	14302
157	Jan-23	2023	1	4344	1473	6516	4358	3779	14342
158	Feb-23	2023	2	4344	1472	6525	4361	3782	14348
159	Mar-23	2023	3	4348	1471	6537	4361	3782	14350
160	Apr-23	2023	4	4342	1469	6528	4355	3777	14330
161	May-23	2023	5	4331	1466	6511	4346	3769	14303
162	Jun-23	2023	6	4322	1462	6489	4337	3761	14267
163	Jul-23	2023	7	4314	1458	6465	4326	3752	14229
164	Aug-23	2023	8	4309	1456	6446	4321	3748	14201
165	Sep-23	2023	9	4302	1456	6436	4317	3744	14183
166	Oct-23	2023	10	4314	1459	6451	4326	3752	14221
167	Nov-23	2023	11	4338	1462	6492	4348	3771	14295
168	Dec-23	2023	12	4361	1465	6541	4372	3792	14354
169	Jan-24	2024	1	4393	1464	6570	4387	3804	14395
170	Feb-24	2024	2	4393	1463	6580	4390	3807	14401
171	Mar-24	2024	3	4397	1462	6592	4390	3808	14403
172	Apr-24	2024	4	4390	1459	6582	4384	3802	14383
173	May-24	2024	5	4379	1456	6565	4375	3794	14354
174	Jun-24	2024	6	4370	1451	6542	4366	3787	14317
175	Jul-24	2024	7	4362	1447	6517	4356	3778	14277
176	Aug-24	2024	8	4357	1444	6498	4351	3773	14248
177	Sep-24	2024	9	4349	1445	6487	4347	3770	14229
178	Oct-24	2024	10	4362	1447	6502	4356	3778	14267
179	Nov-24	2024	11	4385	1451	6543	4378	3796	14341
180	Dec-24	2024	12	4409	1453	6592	4402	3817	14400
181	Jan-25	2025	1	4440	1452	6620	4416	3830	14441
182	Feb-25	2025	2	4440	1451	6629	4419	3833	14446
183	Mar-25	2025	3	4444	1449	6640	4420	3833	14447
184	Apr-25	2025	4	4437	1447	6631	4414	3828	14428
185	May-25	2025	5	4426	1443	6613	4404	3820	14400
186	Jun-25	2025	6	4417	1439	6590	4396	3812	14362
187	Jul-25	2025	7	4409	1434	6565	4385	3803	14322
188	Aug-25	2025	8	4403	1432	6545	4380	3799	14293
189	Sep-25	2025	9	4396	1432	6534	4376	3795	14274
190	Oct-25	2025	10	4408	1434	6548	4385	3803	14312
191	Nov-25	2025	11	4431	1438	6589	4407	3822	14385
192	Dec-25	2025	12	4454	1440	6637	4431	3842	14444
193	Jan-26	2026	1	4486	1438	6665	4445	3855	14484
194	Feb-26	2026	2	4486	1437	6673	4448	3858	14489
195	Mar-26	2026	3	4490	1435	6684	4449	3858	14489
196	Apr-26	2026	4	4482	1432	6674	4443	3853	14469
197	May-26	2026	5	4472	1428	6657	4433	3845	14440
198	Jun-26	2026	6	4462	1424	6633	4424	3837	14403
199	Jul-26	2026	7	4454	1420	6608	4414	3828	14363
200	Aug-26	2026	8	4448	1417	6588	4409	3824	14334
201	Sep-26	2026	9	4440	1416	6577	4404	3820	14315
202	Oct-26	2026	10	4452	1419	6590	4414	3828	14351
203	Nov-26	2026	11	4475	1422	6631	4435	3846	14424
204	Dec-26	2026	12	4498	1424	6679	4459	3867	14482

ANNUAL COMMERCIAL GROWTH - by IRP Node

	CUST COUNT 2020			
Canyon Cnty	4,233	4,233		
Sun Valley	1,492	1,492		
IF Lateral	6,412	6,412		
N of State St	12,822	4,301	4,301	33.54%
Central Ada Mix		3,730	3,730	29.09%
All Other	9,483	14,274	4,791	37.37%
Total	34,442	34,442	12,822	

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	283	100%
Chubbuck	Bannock	All Other	4807	100%
McCammon	Bannock	All Other	252	100%
Inkom	Bannock	All Other	240	100%
Pocatello	Bannock	All Other	16685	100%
Arimo	Bannock	All Other	81	100%
Georgetown	Bear Lake	All Other	184	100%
Montpelier	Bear Lake	All Other	1035	100%
Aberdeen	Bingham	All Other	477	6%
Bancroft	Caribou	All Other	158	100%
Grace	Caribou	All Other	554	100%
Soda Springs	Caribou	All Other	1138	100%
Burley	Cassia	All Other	2839	100%
Declo	Cassia	All Other	66	100%
Malta	Cassia	All Other	14	100%
Raft River	Cassia	All Other	17	100%
Mountain Home	Elmore	All Other	6234	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	382	100%
Gooding	Gooding	All Other	982	100%
Wendell	Gooding	All Other	638	100%
Jerome	Jerome	All Other	3074	100%
Heyburn	Minidoka	All Other	499	100%
Rupert	Minidoka	All Other	937	100%
Paul	Minidoka	All Other	164	100%
Bruneau	Owyhee	All Other	46	12%
Payette	Payette	All Other	2269	100%
Fruitland	Payette	All Other	1683	100%
New Plymouth	Payette	All Other	374	100%
American Falls	Power	All Other	1189	100%
Buhl	Twin Falls	All Other	1370	100%
Filer	Twin Falls	All Other	879	100%
Twin Falls	Twin Falls	All Other	16074	100%
Kimberly	Twin Falls	All Other	1591	100%
Hansen	Twin Falls	All Other	253	100%
Murtaugh	Twin Falls	All Other	68	100%
Weiser	Washington	All Other	1658	100%
Caldwell	Canyon	Canyon Cnty	17880	94%
Parma	Canyon	Canyon Cnty	517	94%
Greenleaf	Canyon	Canyon Cnty	214	94%
Wilder	Canyon	Canyon Cnty	272	94%
Nampa	Canyon	Canyon Cnty	34297	94%
Homedale	Owyhee	Canyon Cnty	343	88%
MORELAND/RIVERSIDE	Bingham	IF Lateral	432	94%
Fort Hall	Bingham	IF Lateral	164	94%
Blackfoot	Bingham	IF Lateral	4557	94%
Basalt	Bingham	IF Lateral	150	94%
Firth	Bingham	IF Lateral	353	94%
Shelley	Bingham	IF Lateral	2126	94%
Ammon	Bonneville	IF Lateral	6706	100%
Idaho Falls	Bonneville	IF Lateral	20552	100%
Iona	Bonneville	IF Lateral	1102	100%
Ucon	Bonneville	IF Lateral	933	100%
Parker	Fremont	IF Lateral	213	100%
St Anthony	Fremont	IF Lateral	1000	100%
Rigby	Jefferson	IF Lateral	4167	100%
Ririe	Jefferson	IF Lateral	402	100%
Lewisville	Jefferson	IF Lateral	168	100%
Menan	Jefferson	IF Lateral	240	100%
Rexburg	Madison	IF Lateral	7863	100%
Sugar City	Madison	IF Lateral	849	100%
Star	Ada	N of State St	4931	100%
Kuna	Ada	N of State St	7697	100%
Meridian	Ada	N of State St	40730	100%
Eagle	Ada	N of State St	12124	100%
Garden City	Ada	N of State St	4390	100%
Boise	Ada	N of State St	91140	100%
Middleton	Canyon	N of State St	3285	6%
Emmett	Gem	N of State St	2806	100%
Sun Valley	Blaine	Sun Valley	1943	100%
Ketchum	Blaine	Sun Valley	3994	100%
Hailey	Blaine	Sun Valley	3685	100%
Bellevue	Blaine	Sun Valley	990	100%
Shoshone	Lincoln	Sun Valley	465	100%
			352876	

COUNTY	District	
Ada	Boise	161012
Bannock	Pocatello	22348
Bear Lake	Pocatello	1219
Bingham	Pocatello	8259
Blaine	Twin Falls	10612
Bonneville	Idaho Falls	29293
Canyon	Nampa	56465
Caribou	Pocatello	1850
Cassia	Twin Falls	2936
Elmore	Boise	6618
Fremont	Idaho Falls	1213
Gem	Nampa	2806
Gooding	Twin Falls	1620
Jefferson	Idaho Falls	4977
Jerome	Twin Falls	3074
Lincoln	Twin Falls	465
Madison	Idaho Falls	8712
Minidoka	Twin Falls	1600
Owyhee	Nampa	389
Payette	Nampa	4326
Power	Pocatello	1189
Twin Falls	Twin Falls	20235
Washington	Nampa	1658
		352876

TOWN	COUNTY	IRP Node		Percent of County
Lava Hot Springs	Bannock	All Other	65	100%
Chubbuck	Bannock	All Other	433	100%
McCammon	Bannock	All Other	27	100%
Inkom	Bannock	All Other	21	100%
Pocatello	Bannock	All Other	2053	100%
Arimo	Bannock	All Other	4	100%
Georgetown	Bear Lake	All Other	8	100%
Montpelier	Bear Lake	All Other	203	100%
Aberdeen	Bingham	All Other	116	10%
Bancroft	Caribou	All Other	23	100%
Grace	Caribou	All Other	76	100%
Soda Springs	Caribou	All Other	212	100%
Burley	Cassia	All Other	665	100%
Declo	Cassia	All Other	19	100%
Malta	Cassia	All Other	17	100%
Raft River	Cassia	All Other	12	100%
Mountain Home	Elmore	All Other	529	100%
Hammett	Elmore	All Other	2	100%
Glenns Ferry	Elmore	All Other	88	100%
Gooding	Gooding	All Other	186	100%
Wendell	Gooding	All Other	120	100%
Jerome	Jerome	All Other	454	100%
Heyburn	Minidoka	All Other	83	100%
Rupert	Minidoka	All Other	272	100%
Paul	Minidoka	All Other	72	100%
Bruneau	Owyhee	All Other	15	14%
Payette	Payette	All Other	260	100%
Fruitland	Payette	All Other	187	100%
New Plymouth	Payette	All Other	85	100%
American Falls	Power	All Other	224	100%
Buhl	Twin Falls	All Other	199	100%
Filer	Twin Falls	All Other	99	100%
Twin Falls	Twin Falls	All Other	2232	100%
Kimberly	Twin Falls	All Other	134	100%
Hansen	Twin Falls	All Other	26	100%
Murtaugh	Twin Falls	All Other	18	100%
Weiser	Washington	All Other	244	100%
Caldwell	Canyon	Canyon Cnty	1284	97%
Parma	Canyon	Canyon Cnty	112	97%
Greenleaf	Canyon	Canyon Cnty	17	97%
Wilder	Canyon	Canyon Cnty	58	97%
Nampa	Canyon	Canyon Cnty	2672	97%
Homedale	Owyhee	Canyon Cnty	90	86%
MORELAND/RIVERSIDE	Bingham	IF Lateral	53	90%
Fort Hall	Bingham	IF Lateral	54	90%
Blackfoot	Bingham	IF Lateral	718	90%
Basalt	Bingham	IF Lateral	8	90%
Firth	Bingham	IF Lateral	34	90%
Shelley	Bingham	IF Lateral	165	90%
Ammon	Bonneville	IF Lateral	431	100%
Idaho Falls	Bonneville	IF Lateral	3188	100%
Iona	Bonneville	IF Lateral	34	100%
Ucon	Bonneville	IF Lateral	78	100%
Parker	Fremont	IF Lateral	6	100%
St Anthony	Fremont	IF Lateral	171	100%
Rigby	Jefferson	IF Lateral	325	100%
Ririe	Jefferson	IF Lateral	44	100%
Lewisville	Jefferson	IF Lateral	17	100%
Menan	Jefferson	IF Lateral	17	100%
Rexburg	Madison	IF Lateral	996	100%
Sugar City	Madison	IF Lateral	73	100%
Star	Ada	N of State St	134	100%
Kuna	Ada	N of State St	217	100%
Meridian	Ada	N of State St	2574	100%
Eagle	Ada	N of State St	757	100%
Garden City	Ada	N of State St	1351	100%
Boise	Ada	N of State St	7297	100%
Middleton	Canyon	N of State St	143	3%
Emmett	Gem	N of State St	349	100%
Sun Valley	Blaine	Sun Valley	62	100%
Ketchum	Blaine	Sun Valley	605	100%
Hailey	Blaine	Sun Valley	558	100%
Bellevue	Blaine	Sun Valley	176	100%
Shoshone	Lincoln	Sun Valley	91	100%
			34442	

COUNTY	District	
Ada	Boise	12330
Bannock	Pocatello	2603
Bear Lake	Pocatello	211
Bingham	Pocatello	1148
Blaine	Twin Falls	1401
Bonneville	Idaho Falls	3731
Canyon	Nampa	4286
Caribou	Pocatello	311
Cassia	Twin Falls	713
Elmore	Boise	619
Fremont	Idaho Falls	177
Gem	Nampa	349
Gooding	Twin Falls	306
Jefferson	Idaho Falls	403
Jerome	Twin Falls	454
Lincoln	Twin Falls	91
Madison	Idaho Falls	1069
Minidoka	Twin Falls	427
Owyhee	Nampa	105
Payette	Nampa	532
Power	Pocatello	224
Twin Falls	Twin Falls	2708
Washington	Nampa	244
		34442

Intermountain Gas Company

Historical Temperature Climate Report

Integrated Resource Plan 2021 – 2026

Exhibit No. 3

Historical Temperature Climate Report

Prepared for
Intermountain Gas Company

January 26, 2021

By Russell J. Qualls, Ph.D., P.E.
Climate Consultant

Historical Temperature Climate Report
Prepared for Intermountain Gas Company

By Russell J. Qualls, Ph.D., P.E.

INTRODUCTION

This report provides estimates of design air temperature values that are likely to be equaled or exceeded (in a "colder than" sense) in a year, with specified probabilities of occurrence and with specified average return periods. The estimates are made for monthly and annual daily-average temperatures, and for annual minimum daily average temperatures, at seven locations in Southern Idaho used by Intermountain Gas Company (IGC) in its gas supply and storage calculations. The estimated values are intended to assist IGC in developing its Integrated Resource Plan (IRP).

This report arose out of discussions with representatives of IGC regarding what information was most needed for development of the IRPs, and provides an update to similar earlier reports (Qualls, 2007, 2017; Molnau, 1994). Each of these reports relied upon probability distributions generated from historical temperature values measured at or near the seven Southern Idaho IGC calculation locations, and included the Normal Distribution ("NORM"; symmetric bell-shaped distribution) and the Pearson Type III Distribution ("PIII"; a skewed distribution which can represent asymmetric data and converges to the Normal distribution for symmetric data). Selecting design temperatures from values generated by these probability distributions is preferable over using individual observations, such as the coldest observed daily average temperature, because exceedance probabilities corresponding to values obtained from the probability distributions are known. This enables IGC to choose a design temperature, from among a range of values, which corresponds to an exceedance probability that IGC considers appropriate for the intended use.

Each successive report incorporates temperature data which occurred and was measured after the completion of the earlier reports. In addition, this report includes temperature data from as much of the entire Period Of Record (POR) at each location as was deemed reliable. This extends the data pool for each location backward in time, making each dataset much larger (i.e., covering a longer time period) than in the preceding reports. This has some statistical advantages. First, it allows one to assess with greater confidence how well a particular distribution represents the observed data, and secondly, it generally narrows the range of uncertainty associated with a given probabilistic temperature value. This report includes analyses introduced in the 2017 report, which quantify the goodness-of-fit of each probability distribution and the range of uncertainty of each estimated value. These additional analyses include:

1) Running hypothesis tests on each probability distribution fitted, to assess whether it should be accepted as a good descriptor of the data (Chi-Squared Test)
2) Calculation of the 90% confidence interval for each probabilistic temperature estimate. There is a 90% probability that the endpoints of the confidence interval, known as upper and lower confidence limits, encompass the true probabilistic temperature value.

Further discussion of these additional analyses is provided in Appendix B.

The contents of this report may be compared with Intermountain Gas Company's Integrated Resource Plan (IRP) to estimate probabilities associated with design values presented there.

DATA

The data used in this report were either provided by Lori Blattner or Landon Barber of IGC, or obtained directly from the National Centers for Environmental Information (NCEI, formerly National Climate Data Center, NCDC). The data consist of daily observed maximum and minimum temperatures, and/or daily averages calculated as the mean of the daily maximum and minimum values. Table 1 provides the IGC Zone ID, location name, and starting Water Year for the data. A Water Year (WY) begins on October 1st, and ends on September 30th of the following year, and is numbered by the year in which it ends. That is, the 1905 Water Year for Caldwell begins on October 1, 1904 and ends on September 30, 1905. A Water Year groups all winter months of a particular season together. The analysis for each station extends to the end of the 2020 Water Year (September 30, 2020).

Table 1: Weather Station Zones, Locations, and Starting Water Year (WY)

Zone ID	Location	Starting WY
350	Caldwell	1905
450	Boise	1941
500	Hailey	1909
600	Twin Falls	1906
700	Rexburg	1908
750	Idaho Falls	1949
800	Pocatello	1939

Most long-term weather stations include occasional changes such as instrument replacements or changes, or station moves. The data used in this analysis span these changes. Some of these changes have occurred in the past 30 years, so the Molnau (1994) and Qualls (2007, 2017) reports, and the data currently used by IGC have some of these changes embedded in them, as would the current analysis even if it was limited to the past 30 years.

RESULTS

For each IGC location, results calculated over the POR at each station from data aggregated at the annual time scale are presented in this section, and results with greater detail including monthly analyses and additional figures are presented in the appendices. "Annual" in this report refers to a Water Year. Table 2 presents POR summaries and statistics of station data and values of exceedance temperatures for annual mean daily average temperatures and annual minimum daily average temperatures. Exceedance temperatures are presented for a range of return periods (T=2, 5, 10, 20, 50 and 100 years) and their corresponding exceedance probabilities, calculated by fitting both Normal (NORM) and Pearson Type III (PIII) distributions to observed data from each IGC location. With the addition of only 5 years' data since the previous report, the resulting values do not change substantially.

Table 2: Annual Station data and exceedance temperatures based on NORM and PIII Distributions (°F)

		Annual Mean Daily Average Temperature							Annual Minimum Daily Average Temperature						
Station		350	450	500	600	700	750	800	350	450	500	600	700	750	800
Mean		51	52	43	49	43	44	47	10	10	-1	6	-6	-5	0
Std Dev		1.6	1.7	1.6	1.7	1.8	1.7	1.4	9.7	8.8	7.3	8.3	8.0	7.8	8.0
Skew		0.1	-0.1	0.2	0.3	0.0	-0.4	-0.1	-0.5	-0.6	-0.3	-0.3	-0.2	-0.3	-0.3
Max		55	56	49	54	48	48	50	28	27	13	24	16	10	15
Min		48	48	39	45	38	39	43	-18	-16	-23	-15	-27	-23	-18
No Years		116	80	111	115	113	72	82	116	80	111	115	113	72	82
T	P	Normally Distributed Exceedance Temperatures							Normally Distributed Exceedance Temperatures						
2	0.5	51	52	43	49	43	44	47	10	10	-1	6	-6	-5	0
5	0.2	50	50	42	47	41	43	46	2	3	-7	-1	-13	-11	-7
10	0.1	49	50	41	47	40	42	45	-3	-1	-10	-4	-16	-15	-10
20	0.05	49	49	41	46	40	41	45	-6	-4	-13	-7	-19	-17	-13
50	0.02	48	48	40	45	39	41	44	-10	-8	-16	-11	-22	-21	-16
100	0.01	48	48	40	45	39	40	44	-13	-10	-18	-13	-25	-23	-18
T	P	PIII Distributed Exceedance Temperatures							PIII Distributed Exceedance Temperatures						
2	0.5	51	52	43	49	43	44	47	11	11	-1	7	-6	-4	1
5	0.2	50	50	42	47	41	43	46	2	3	-7	0	-13	-11	-6
10	0.1	49	50	41	47	40	42	45	-3	-1	-11	-5	-16	-15	-10
20	0.05	49	49	41	46	40	41	45	-7	-5	-14	-8	-20	-18	-13
50	0.02	48	48	40	46	39	40	44	-13	-10	-17	-12	-23	-22	-17
100	0.01	48	48	40	45	39	40	43	-16	-14	-20	-15	-26	-24	-20

POR summaries and statistics of the data are presented in the top third of Table 2. In this section, the statistics are calculated from the annual values at a given station over the number of years available for that station. For the annual mean daily average temperature shown in the left half of Table 2, the POR mean at each station ranges from a low value of 43 °F (Station 700) to high value of 52 °F (Station 450) across the different locations. This is shown in the first

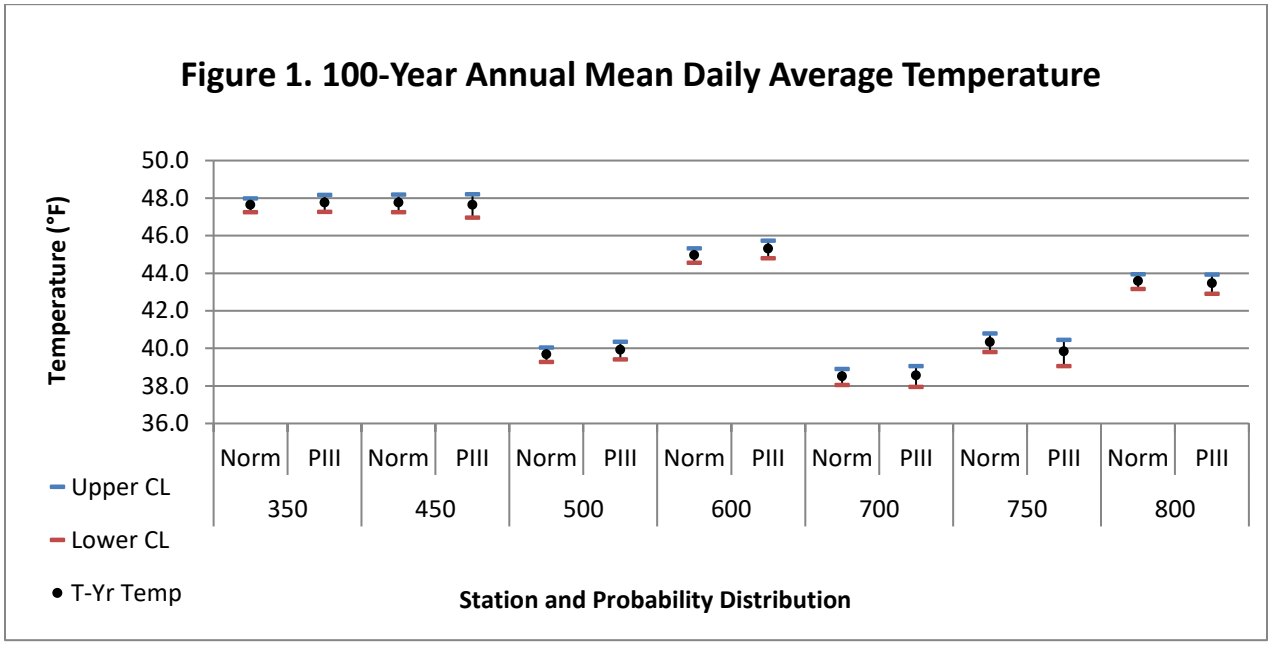
row below the station number, labeled “Mean”. In the second row below the station number, the relatively small standard deviation shows that the collection of annual mean temperatures do not spread out very far around the POR mean at each station. This can also be seen in the relatively small difference between the Max and Min values in the fourth and fifth rows below the station numbers, which represent the largest and smallest annual mean daily average temperature for each station. The Max and Min values differ by no more than 10 °F at any of the stations.

Because the spread of the annual mean daily average temperatures is small at each station, the exceedance temperatures for different return periods also fall within a fairly narrow range, as shown for the normal distribution in the left half of the middle third of Table 2. For example, at station 350, the two-year return period exceedance temperature is 51 °F and the 100-year return period exceedance temperature is only 3 °F colder at 48 °F. Furthermore, the asymmetry is small as shown by the small value of the skew coefficients for the annual mean daily average temperatures, in the third row below the station numbers in Table 2. As a result, the PIII distribution nearly converges to the normal distribution and in most cases they give the same result for each return period (e.g., the 100-year return period event is the same or only slightly different between the NORM and PIII distributions for a given station; compare left half of middle and lower thirds of Table 2).

In addition, the small spread of the annual mean daily average temperatures indicates that the calculated exceedance values can be accepted with high certainty. Ninety percent confidence intervals have been calculated for the different return period exceedance temperatures at each station and for both the Norm and PIII distributions. Upper and lower Confidence Limits (CL values) are given in tables in Appendix A. For the annual mean daily average temperatures, Figure 1 shows the values of the 100-year exceedance temperature and their upper and lower CLs for the NORM and PIII distributions at each station.

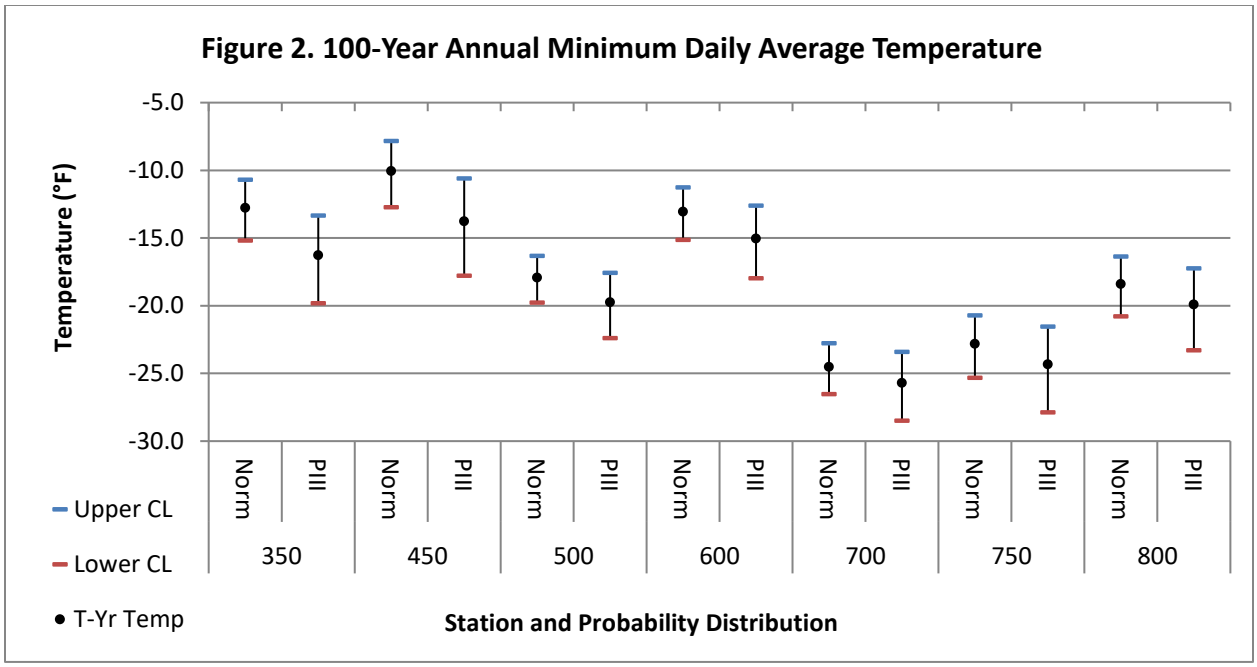
The range of the CLs around the 100-year return period value at each station is small, less than 1 °F at most stations, and the results are similar between the Norm and PIII distributions for a given station. The CLs are even smaller for exceedance temperatures with shorter return periods than 100 years. Thus, the exceedance temperatures for the annual mean daily temperatures given in Table 2 can be accepted with a high degree of confidence. The annual minimum daily average temperatures, summarized in the right half of Table 2, have a much higher degree of variability. This is expected because these data and statistics come from the single lowest daily average temperature observation from each year, in contrast to the annual mean daily average temperatures discussed above which are comprised of the mean of a full year’s worth of daily values. Averaging, as in the case of the annual mean temperatures, centralizes the results and reduces variability. The difference between the behavior of the

annual *minimum* and annual *mean* daily average temperatures is clearly visible in the time series plots of each of these variables for each station shown in Appendix A. The upper line is the annual mean and the lower line is the annual minimum over the POR for a given station. The greater variability of the annual minimums is readily apparent.



Summary statistics for the annual minimum daily average temperatures given in the left half of Table 2 reflect its greater variability. The standard deviation of the annual minimums is much larger than that for the annual means, and many of the stations exhibit large negative skew. The large standard deviation indicates that the uncertainty of the exceedance values of annual minimum temperatures is larger than it was for the annual mean temperatures, consequently the range of the confidence limits for the minimum temperatures is much wider. This is shown in Figure 2 for the 100-year return period minimum temperatures, where the CLs span a range from 3.5 to 7.2 ˚F. The large negative skew suggests that the PIII distribution should provide a more realistic estimate of the minimum annual daily average exceedance temperatures than would the NORM distribution. Results of Chi-Square tests of the "goodness-of-fit" of the NORM and PIII distributions for each station generally confirm this as discussed in Appendix B.

For the T-year return period exceedance values of annual minimum daily average temperature, the PIII distribution provides better estimates than the NORM distribution, and the true values of the exceedance temperatures could be several degrees larger or smaller than the values provided in Table 2 owing to the inherent uncertainty of this variable.



Although estimated annual Tavg exceedance temperatures are very similar between the Norm and PIII distribution, for monthly Tavg and annual minTavg exceedance temperatures there are a number of cases where the PIII distribution represents the data better than does the Norm distribution and where the exceedance temperatures and confidence limits differ between the two distributions. For this reason, to simplify the selection process, it is recommended that the PIII exceedance temperatures be used in general. Where both distributions provide similar results it doesn't matter, and where they differ, PIII is usually more representative of the data. Routinely using the PIII values will avoid accidentally using the Norm exceedance temperatures when they are not representative of the observations. Further explanation is provided in Appendix B.

Multi-Year Time Horizon Probabilities

Probabilities of equaling or exceeding an event at least once during a multi-year period can be calculated based on the return period, T. Average Return Period T and annual exceedance probability have a reciprocal relationship, P=1/T. The exceedance probabilities, P, correspond to the likelihood of observing temperatures less than or equal to the indicated value *in any single year*. In order to apply these numbers over a *multi-year time horizon*, one should calculate the probability P_J that the temperature will be less than the specified threshold at least once during the J-year period. P_J may be calculated as $P_J = (1-(1-P)^J)$. Values of P_J for J equal to 5, 10, and 15 years are given in Table 3.

The single-year exceedance probability of 0.033 which appears in the third row up from the bottom is the approximate exceedance probability corresponding to using the coldest day

observed in a T=thirty-year period as the peak design day. Thus, the likelihood that a temperature colder than the 0.033 or 3.3% exceedance temperature will be observed at least once in the next five years is 0.16 or 16%, as shown in the 5-year (J=5) column. Similarly, there is only a 5% chance of having a temperature occur at least once that is colder than the P=0.01 exceedance temperature (i.e., the T=100-year event) within a 5-year span.

Table 3. Multi-Year Exceedance Probabilities corresponding to different time horizons (J=5, 10, and 15 years) for different values of single-year exceedance probability.

Single-Year		Multi-Year Exceedance Probabilities, PJ		
T	P	J=5	J=10	J=15
2	0.5	0.97	0.999	0.99997
5	0.2	0.67	0.89	0.96
10	0.1	0.41	0.65	0.79
20	0.05	0.23	0.40	0.54
30	0.033	0.16	0.29	0.40
50	0.02	0.10	0.18	0.26
100	0.01	0.05	0.10	0.14

SUMMARY

T-year exceedance temperature values for monthly and annual daily average Temperatures (Tavg) and annual minimum daily average temperatures (minTavg) have been estimated for seven stations across Southern Idaho by fitting Normal and PIII distributions to long-term observations from the stations. Results for annual Tavg and minTavg are presented in Table 2 and Figures 1 and 2 above and in Appendix A, which also includes results for monthly Tavg.

For annual Tavg exceedance temperatures, results are similar between the Norm and PIII distribution estimates. For monthly Tavg and annual minTavg, results are often substantially different owing primarily to skew in the distribution of the data so that the PIII distribution provides a superior estimate of exceedance temperatures. The χ^2 (Chi-Squared) test applied to the results generally confirms that PIII is as good as or better than the Norm distribution. Because PIII usually provides a better estimate when results differ between the Norm and PIII distributions, it is recommended to use the PIII results from this report. When the Norm and PIII estimates are similar, this produces no negative consequences. However, when they differ, routinely using the PIII results avoids accidentally using the less accurate results from the Norm distribution.

A measure of uncertainty of the exceedance temperatures is given by 90% confidence limits in Figures 1 and 2 above, and in tables given for each station in Appendix A.

REFERENCES CITED

Benjamin, J.R. and C.A. Cornell, *Probability, Statistics and Decision, for Civil Engineers*, McGraw-Hill, New York, 1970.

Chow, V.T., D.R. Maidment, and L. W. Mays, *Applied Hydrology*, McGraw-Hill, 1988.

Devore, J.L., *Probability and Statistics for Engineering and the Sciences*, 2nd Ed., Brooks/Cole, Monterey, CA, 1987.

Haan, C.T., *Statistical Methods in Hydrology*, Iowa State University Press, Ames, Iowa, 1977.

Interagency Advisory Committee on Water Data (now combined into Advisory Committee on Water Information), *Guidelines for determining flood flow frequency, Bulletin 17B*, http://water.usgs.gov/osw/bulletin17b/bulletin_17B.html, 1981.

Lapin, L.L., Probability and Statistics for Modern Engineering, Brooks/Cole, Monterey, CA, 1983.

Pearson, E.S. and H.O. Hartley (eds.), The Biometrica Tables for Statisticians, vol. 1, 3rd ed., *Biometrica*, 1966.

Qualls, R.J., *30 Year Climate Report* prepared for Intermountain Gas Company, July 5, 2007.

Qualls, R.J., *Historical Temperature Climate Report* prepared for Intermountain Gas Company, May 9, 2017.

Appendix A

Detailed Station Results

Detailed data and statistics for each station are presented in both tabular and graphic form in this appendix. Information for each station is grouped together on a series of four pages in order of station number. Each page lists the station number and name at the top. The first page for each station lists the starting and ending water year, followed by a table similar to the top one-third of Table 2 in the main body of the report, except that it contains data for one station only, and contains monthly results for the mean daily average temperature, in addition to annual results. In these pages T_{avg} refers to the monthly or annual mean daily average temperature; $minT_{avg}$ refers to annual minimum daily average temperature. The results in the last two columns are identical to those in Table 2 for the respective station. The left figure shows time series over the period of record (POR) of annual values of T_{avg} and $minT_{avg}$. These time series plots illustrate how the data vary from year to year throughout the period of record, and the difference in variability between T_{avg} and $minT_{avg}$. The two figures on the right present the annual data sorted by magnitude for T_{avg} (upper) and $minT_{avg}$ (lower).

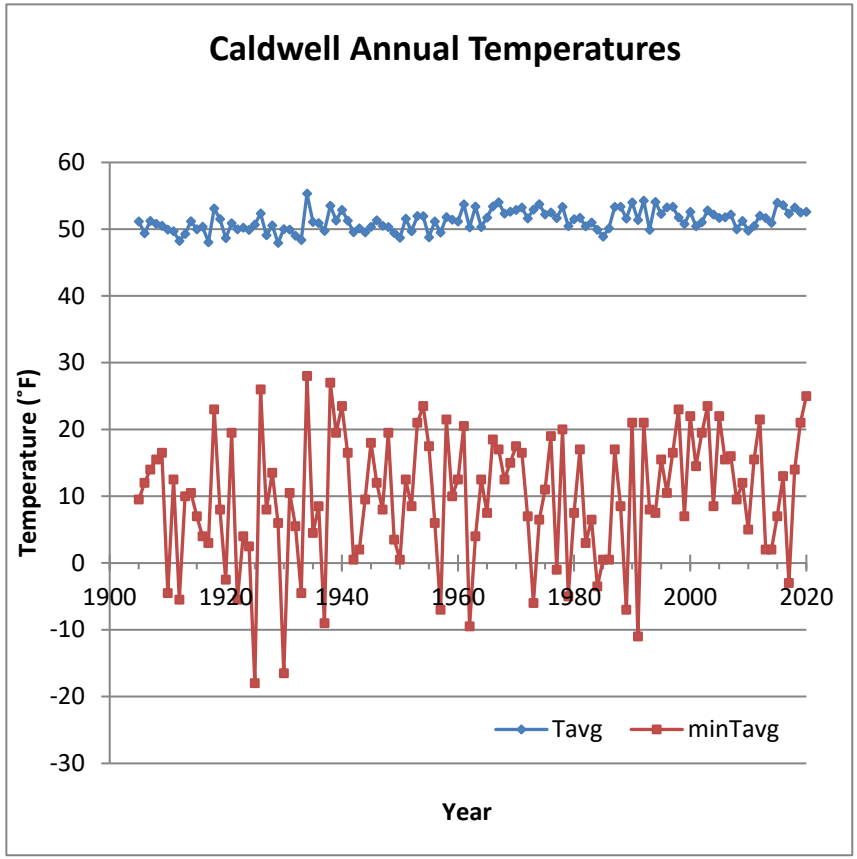
The second and third pages for each station give tables of exceedance temperatures and Upper and Lower Confidence Limits (CLs) for the Norm and PIII distributions, respectively. As in the tables at the top of the first page for each station, monthly and annual values are included for T_{avg}, and annual values for $minT_{avg}$. The exceedance temperature values for *annual* T_{avg} and $minT_{avg}$ given in these tables are the same as those given in Table 2 in the main body of this report.

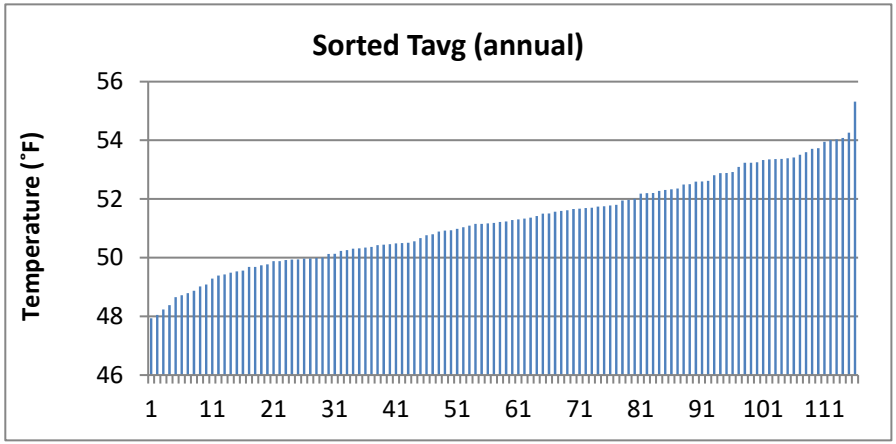
The fourth page for each station shows the exceedance temperatures and CLs graphically for annual values of T_{avg} and $minT_{avg}$ for the Norm and PIII distributions. Each graph presents results for the full range of return periods analyzed in this report, that is, 2, 5, 10, 20, 50 and 100 years. Each left/right pair of figures can be compared to see the influence of fitting a Normal versus PIII distribution to the data. T_{avg} is presented in the top pair of figures, and $minT_{avg}$ is presented in the bottom pair.

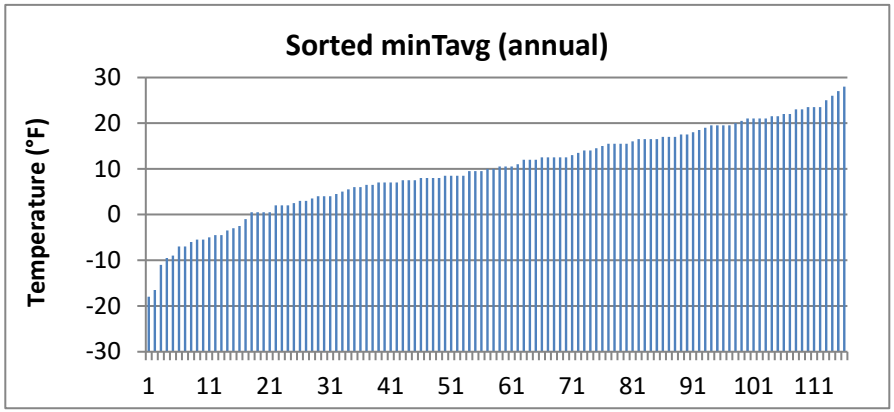
Weather Station Zones, Locations, and Starting Water Year (WY)		
Zone ID	Location	Starting WY
350	Caldwell	1905
450	Boise	1941
500	Hailey	1909
600	Twin Falls	1906
700	Rexburg	1908
750	Idaho Falls	1949
800	Pocatello	1939

Station:	350 Caldwell		
Water Years (WY)	Starting:	1905	Ending: 2020

	Tavg (˚F)													minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
Mean	51.0	39.1	30.9	29.3	35.8	43.7	51.0	58.9	66.5	74.4	71.8	62.2	51.3	9.8
Sx	2.6	3.2	4.7	5.7	4.4	2.9	3.0	3.2	3.1	2.7	2.8	2.9	1.6	9.7
Skew	0.13	-0.30	-0.76	-0.62	-0.79	-0.15	0.17	0.03	0.41	0.01	0.29	0.15	0.10	-0.50
Max	59.5	45.3	41.7	42.1	43.6	49.8	58.9	66.2	75.3	80.4	79.9	70.7	55.3	28.0
Min	44.6	29.0	12.5	13.1	20.5	34.7	44.6	51.8	60.5	66.7	66.1	55.4	47.9	-18.0
n (years)	116	116	116	116	116	116	116	116	116	115	116	116	116	116







Station: 350 Caldwell

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.0	39.1	30.9	29.3	35.8	43.7	51.0	58.9	66.5	74.4	71.8	62.2	51.3	9.8
5	0.2	48.8	36.4	26.9	24.5	32.1	41.2	48.5	56.3	63.9	72.1	69.5	59.8	50.0	1.7
10	0.1	47.7	35.1	24.9	22.0	30.1	39.9	47.2	54.9	62.5	71.0	68.2	58.5	49.3	-2.6
20	0.05	46.7	33.9	23.2	19.9	28.5	38.9	46.2	53.7	61.3	70.0	67.2	57.4	48.7	-6.1
50	0.02	45.6	32.6	21.3	17.6	26.7	37.7	45.0	52.4	60.1	68.9	66.0	56.2	48.1	-10.1
100	0.01	44.9	31.7	20.0	16.1	25.5	36.9	44.1	51.6	59.2	68.2	65.3	55.4	47.6	-12.8

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.4	39.5	31.4	30.0	36.3	44.0	51.4	59.3	66.9	74.7	72.2	62.6	51.5	11.0
5	0.2	49.2	36.9	27.6	25.3	32.7	41.6	48.9	56.7	64.3	72.5	69.8	60.2	50.2	2.9
10	0.1	48.1	35.5	25.6	22.9	30.8	40.4	47.7	55.4	63.0	71.4	68.6	58.9	49.5	-1.1
20	0.05	47.2	34.4	24.0	20.9	29.3	39.4	46.7	54.3	61.9	70.5	67.7	57.9	49.0	-4.5
50	0.02	46.2	33.2	22.2	18.7	27.6	38.2	45.5	53.1	60.7	69.4	66.6	56.8	48.4	-8.2
100	0.01	45.5	32.4	21.0	17.3	26.4	37.5	44.8	52.3	59.9	68.7	65.9	56.1	48.0	-10.7

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	50.7	38.7	30.3	28.7	35.3	43.3	50.7	58.6	66.1	74.1	71.5	61.9	51.1	8.7
5	0.2	48.4	36.0	26.3	23.7	31.4	40.8	48.1	55.8	63.4	71.8	69.0	59.4	49.7	0.2
10	0.1	47.2	34.5	24.1	21.0	29.4	39.4	46.7	54.3	61.9	70.5	67.7	58.0	49.0	-4.3
20	0.05	46.2	33.3	22.3	18.8	27.6	38.3	45.6	53.1	60.7	69.5	66.6	56.9	48.4	-8.1
50	0.02	45.0	31.9	20.2	16.3	25.7	37.0	44.3	51.7	59.4	68.3	65.4	55.6	47.7	-12.3
100	0.01	44.3	31.0	18.8	14.6	24.4	36.1	43.4	50.8	58.4	67.5	64.5	54.7	47.3	-15.2

Station: 350 Caldwell

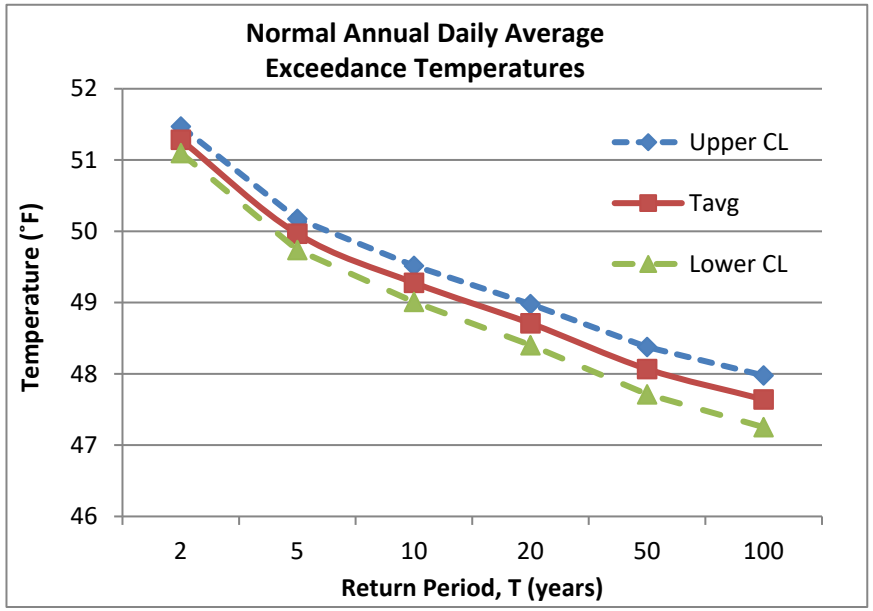
PIII DISTRIBUTION

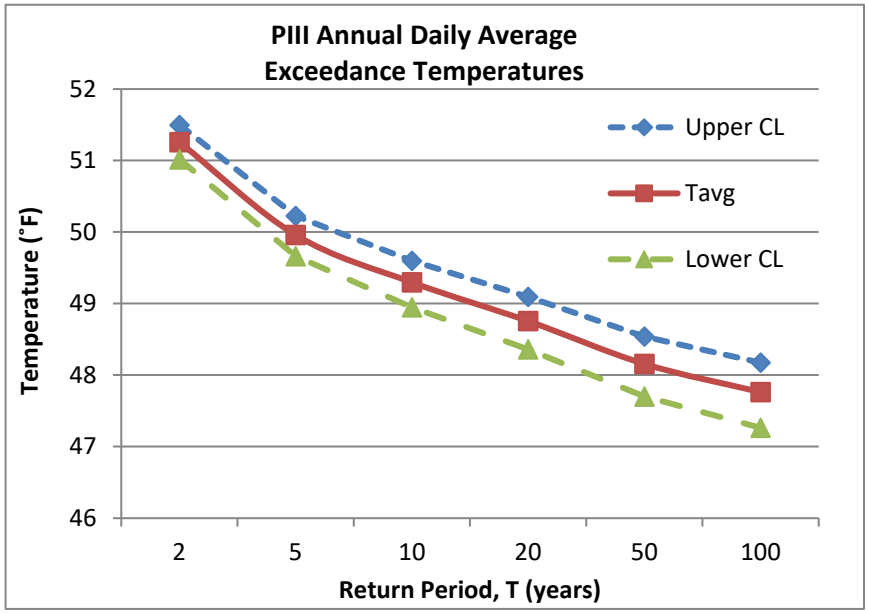
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.0	39.3	31.5	29.9	36.4	43.7	51.0	58.9	66.3	74.4	71.7	62.2	51.3	10.6
5	0.2	48.8	36.5	27.2	24.8	32.3	41.2	48.5	56.3	63.8	72.1	69.4	59.8	50.0	2.0
10	0.1	47.7	35.0	24.6	21.8	29.9	39.9	47.3	54.9	62.6	71.0	68.3	58.5	49.3	-3.0
20	0.05	46.8	33.6	22.3	19.1	27.7	38.7	46.3	53.8	61.7	70.0	67.4	57.6	48.8	-7.4
50	0.02	45.8	32.1	19.5	15.8	25.0	37.4	45.2	52.5	60.8	68.9	66.5	56.5	48.2	-12.6
100	0.01	45.2	31.0	17.4	13.5	23.0	36.6	44.5	51.7	60.1	68.2	65.9	55.8	47.8	-16.3

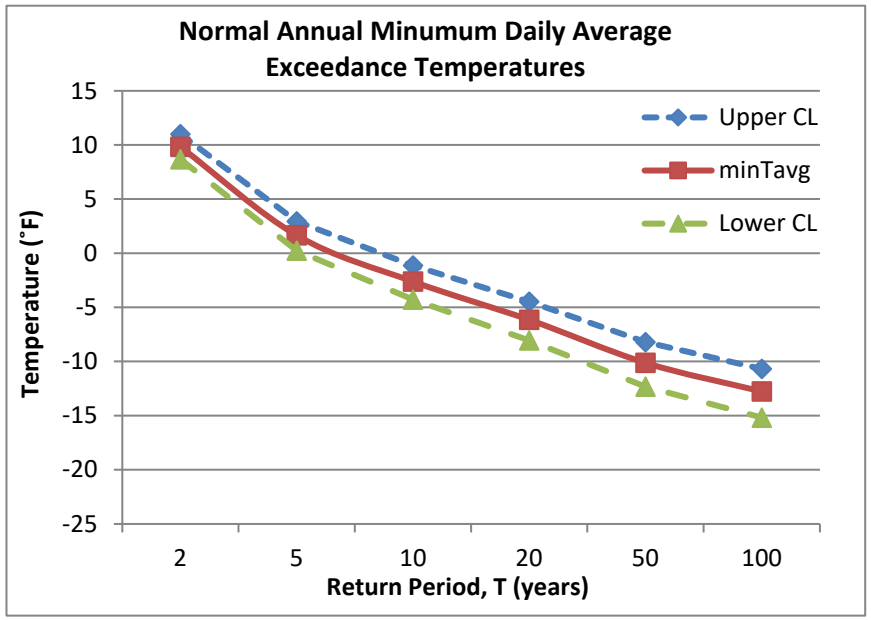
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.4	39.8	32.2	30.8	37.0	44.2	51.4	59.4	66.8	74.8	72.1	62.6	51.5	12.1
5	0.2	49.3	37.0	28.0	25.8	33.1	41.7	49.0	56.8	64.4	72.6	69.9	60.3	50.2	3.6
10	0.1	48.2	35.6	25.6	22.9	30.8	40.4	47.9	55.5	63.2	71.5	68.8	59.1	49.6	-1.1
20	0.05	47.4	34.3	23.4	20.4	28.7	39.4	46.9	54.5	62.4	70.6	68.0	58.2	49.1	-5.2
50	0.02	46.5	32.9	20.8	17.4	26.2	38.2	45.9	53.3	61.5	69.6	67.1	57.2	48.5	-10.0
100	0.01	45.9	31.9	18.9	15.3	24.4	37.4	45.3	52.5	60.9	68.9	66.6	56.5	48.2	-13.4

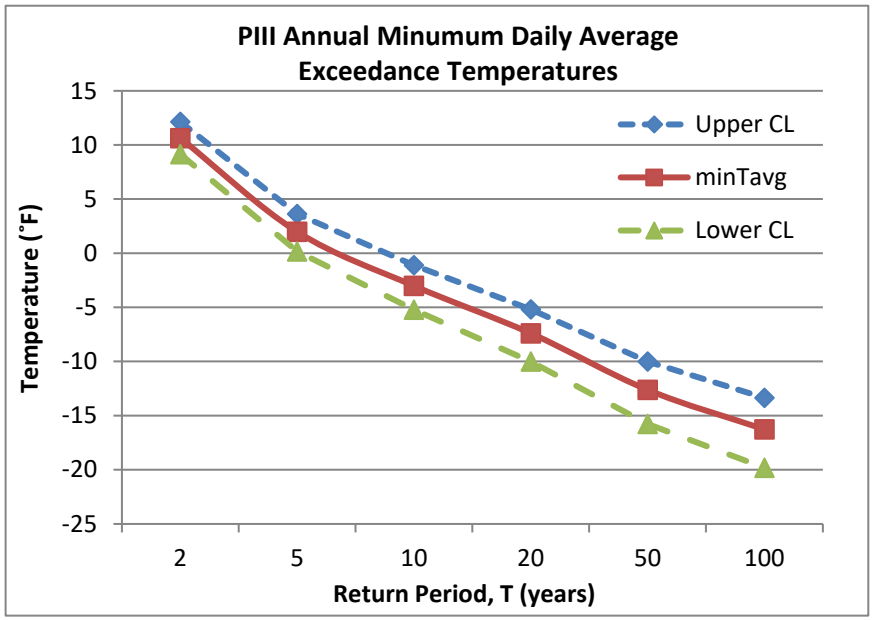
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	50.6	38.8	30.8	29.1	35.7	43.3	50.5	58.4	65.8	74.0	71.3	61.7	51.0	9.1
5	0.2	48.3	35.9	26.4	23.7	31.5	40.7	48.0	55.7	63.2	71.6	68.9	59.2	49.7	0.2
10	0.1	47.1	34.2	23.6	20.5	28.9	39.2	46.6	54.2	62.0	70.4	67.7	57.9	48.9	-5.2
20	0.05	46.1	32.8	21.0	17.5	26.5	38.0	45.6	53.0	61.0	69.3	66.7	56.8	48.4	-10.0
50	0.02	45.0	31.1	17.9	13.9	23.5	36.5	44.4	51.6	59.9	68.1	65.7	55.6	47.7	-15.8
100	0.01	44.3	29.9	15.6	11.4	21.3	35.6	43.6	50.6	59.2	67.3	65.0	54.8	47.3	-19.8

Station: 350 Caldwell



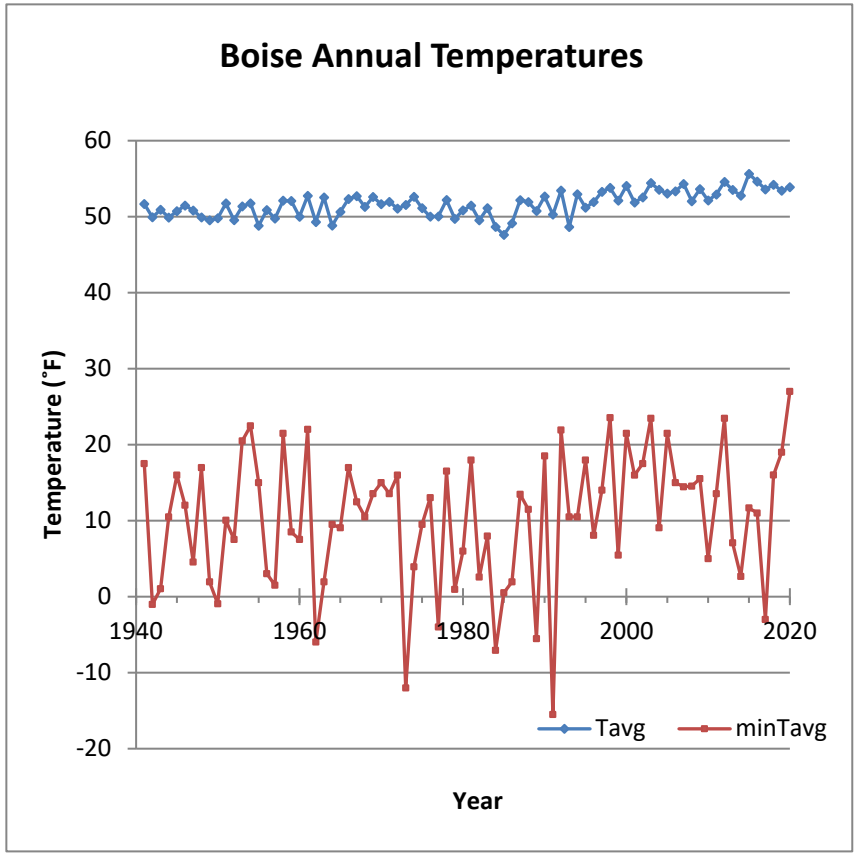


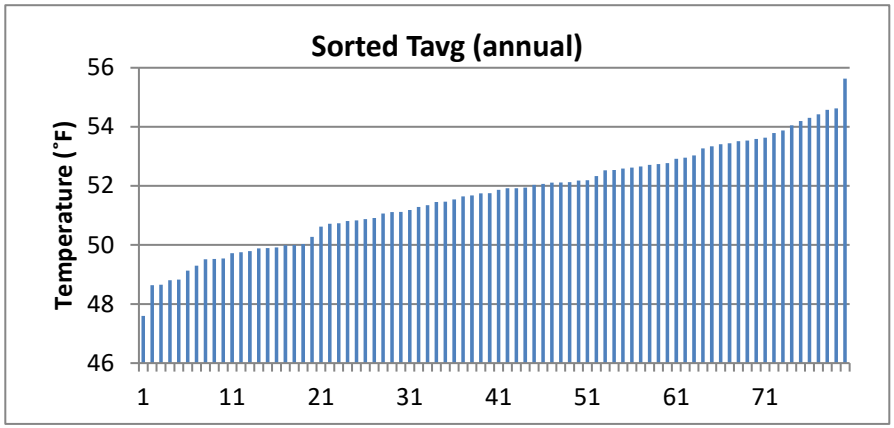


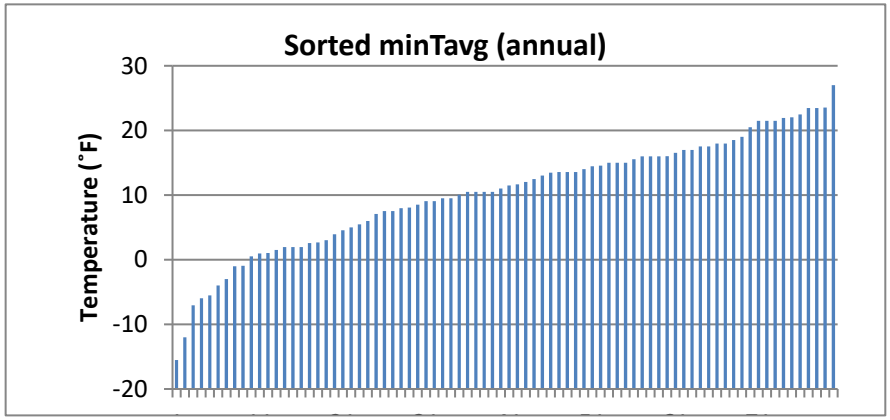


Station:	450 Boise		
Water Years (WY)	Starting: 1941	Ending: 2020	

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	52.4	39.8	31.3	29.9	36.1	43.0	49.8	58.2	66.3	75.3	73.5	64.0	51.7		10.3
Sx	3.1	3.6	4.5	5.9	4.2	3.2	2.9	3.0	3.3	3.3	3.0	3.4	1.7		8.8
Skew	0.14	-0.54	-1.36	-0.73	-0.75	-0.11	0.07	0.01	0.24	0.05	-0.08	-0.18	-0.09		-0.59
Max	59.8	47.2	38.4	41.0	43.9	49.7	56.7	64.3	75.9	83.1	78.7	71.4	55.6		27.0
Min	45.1	27.6	12.6	10.3	23.2	35.9	43.8	52.1	59.3	65.0	67.2	56.2	47.6		-15.5
n (years)	80	80	80	80	80	80	80	80	80	80	80	80	80		80







Station: 450 Boise

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	52.4	39.8	31.3	29.9	36.1	43.0	49.8	58.2	66.3	75.3	73.5	64.0	51.7	10.3
5	0.2	49.7	36.7	27.6	24.9	32.6	40.3	47.4	55.7	63.5	72.5	70.9	61.2	50.3	2.9
10	0.1	48.3	35.2	25.6	22.3	30.7	38.9	46.1	54.3	62.1	71.1	69.6	59.7	49.5	-0.9
20	0.05	47.2	33.9	24.0	20.2	29.2	37.7	45.0	53.2	60.9	69.9	68.5	58.4	48.9	-4.1
50	0.02	45.9	32.4	22.2	17.8	27.5	36.4	43.8	52.0	59.6	68.6	67.3	57.0	48.2	-7.7
100	0.01	45.1	31.4	20.9	16.1	26.3	35.5	43.0	51.2	58.7	67.7	66.5	56.1	47.8	-10.1

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	52.8	40.3	32.0	30.8	36.8	43.4	50.2	58.6	66.7	75.7	73.9	64.5	51.9	11.6
5	0.2	50.2	37.3	28.3	25.9	33.3	40.8	47.8	56.1	64.0	73.0	71.4	61.7	50.5	4.3
10	0.1	48.9	35.8	26.4	23.4	31.5	39.4	46.6	54.9	62.7	71.7	70.2	60.3	49.8	0.7
20	0.05	47.8	34.6	24.9	21.4	30.1	38.4	45.6	53.9	61.6	70.6	69.1	59.1	49.3	-2.3
50	0.02	46.7	33.3	23.2	19.1	28.5	37.1	44.5	52.7	60.3	69.3	68.0	57.8	48.6	-5.6
100	0.01	45.9	32.4	22.1	17.6	27.4	36.3	43.8	52.0	59.5	68.5	67.2	57.0	48.2	-7.8

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.9	39.2	30.7	29.1	35.5	42.5	49.4	57.8	65.8	74.8	73.1	63.5	51.4	9.0
5	0.2	49.2	36.1	26.8	23.9	31.9	39.7	46.9	55.1	63.0	72.0	70.4	60.6	50.0	1.4
10	0.1	47.7	34.4	24.7	21.1	29.9	38.2	45.5	53.7	61.4	70.4	69.0	59.0	49.2	-2.7
20	0.05	46.5	33.0	22.9	18.8	28.2	36.9	44.3	52.5	60.1	69.1	67.8	57.6	48.5	-6.2
50	0.02	45.1	31.4	20.9	16.1	26.3	35.5	43.0	51.2	58.7	67.7	66.4	56.1	47.8	-10.1
100	0.01	44.1	30.4	19.6	14.3	25.1	34.6	42.2	50.3	57.7	66.7	65.5	55.1	47.3	-12.7

Station: 450 Boise

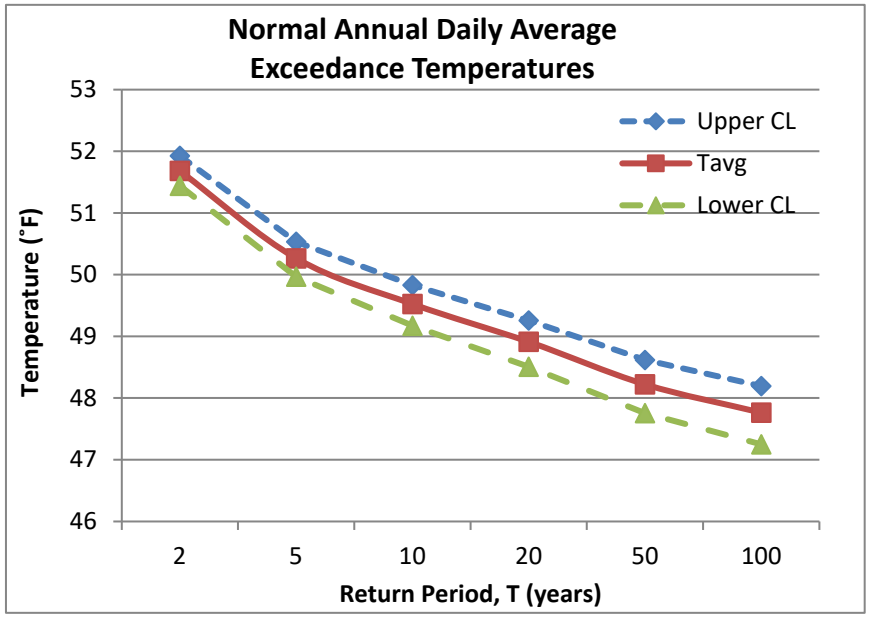
PIII DISTRIBUTION

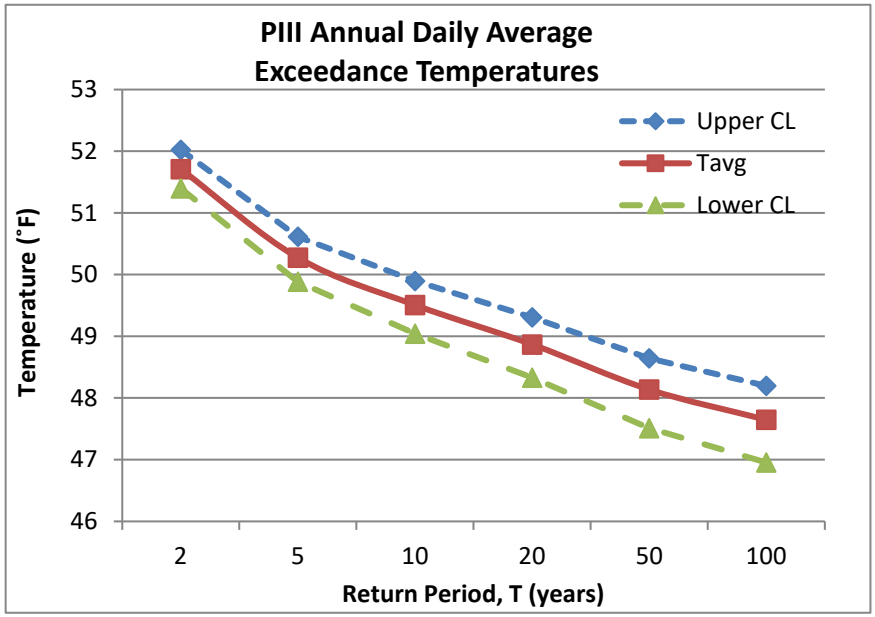
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	52.3	40.1	32.3	30.6	36.7	43.0	49.8	58.2	66.1	75.2	73.5	64.1	51.7	11.2
5	0.2	49.7	36.9	28.2	25.3	32.8	40.3	47.4	55.7	63.5	72.5	71.0	61.2	50.3	3.3
10	0.1	48.4	35.0	25.4	22.0	30.5	38.8	46.1	54.3	62.2	71.1	69.6	59.6	49.5	-1.3
20	0.05	47.3	33.4	22.7	19.1	28.4	37.6	45.1	53.3	61.1	70.0	68.4	58.3	48.9	-5.4
50	0.02	46.2	31.4	19.3	15.6	25.9	36.2	44.0	52.0	60.0	68.7	67.1	56.7	48.1	-10.3
100	0.01	45.4	30.0	16.8	13.0	24.1	35.3	43.2	51.2	59.3	67.8	66.3	55.6	47.6	-13.8

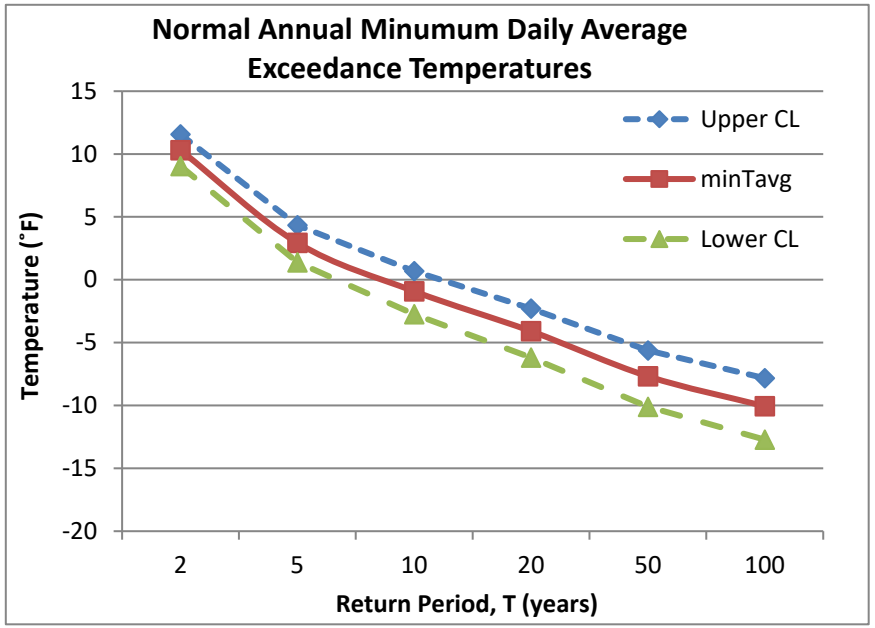
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	52.9	40.7	33.1	31.8	37.5	43.6	50.3	58.7	66.7	75.8	74.1	64.8	52.0	12.8
5	0.2	50.3	37.6	29.0	26.5	33.7	40.9	47.9	56.3	64.2	73.2	71.6	61.9	50.6	5.1
10	0.1	49.1	35.9	26.4	23.4	31.5	39.6	46.8	55.0	62.9	71.9	70.3	60.4	49.9	0.7
20	0.05	48.1	34.3	24.0	20.7	29.6	38.4	45.8	54.0	62.0	70.8	69.2	59.2	49.3	-3.0
50	0.02	47.1	32.6	20.9	17.5	27.3	37.2	44.8	52.9	60.9	69.6	68.0	57.7	48.6	-7.5
100	0.01	46.4	31.3	18.6	15.2	25.7	36.3	44.1	52.2	60.3	68.8	67.3	56.8	48.2	-10.6

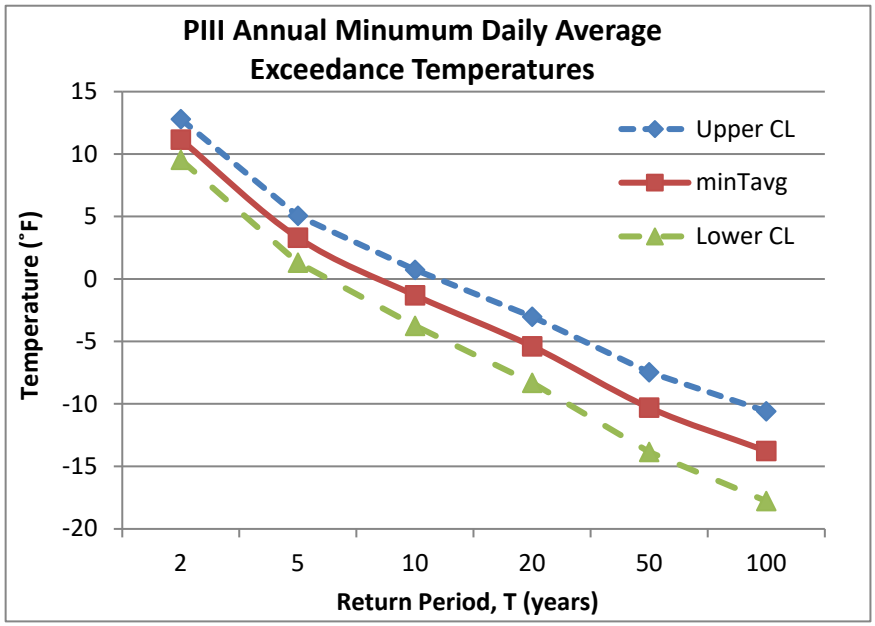
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	51.7	39.4	31.5	29.5	35.9	42.4	49.2	57.6	65.5	74.6	73.0	63.5	51.4	9.5
5	0.2	49.0	36.1	27.2	23.9	31.9	39.6	46.7	55.0	62.7	71.8	70.3	60.4	49.9	1.3
10	0.1	47.5	34.0	24.1	20.4	29.3	38.0	45.3	53.5	61.3	70.2	68.8	58.7	49.0	-3.7
20	0.05	46.4	32.2	21.2	17.1	27.0	36.6	44.2	52.3	60.1	68.9	67.5	57.2	48.3	-8.3
50	0.02	45.0	30.0	17.3	13.1	24.2	35.0	42.9	50.9	58.9	67.5	66.0	55.4	47.5	-13.8
100	0.01	44.2	28.4	14.4	10.2	22.1	34.0	42.0	50.0	58.0	66.5	65.0	54.2	47.0	-17.8

Station: 450 Boise



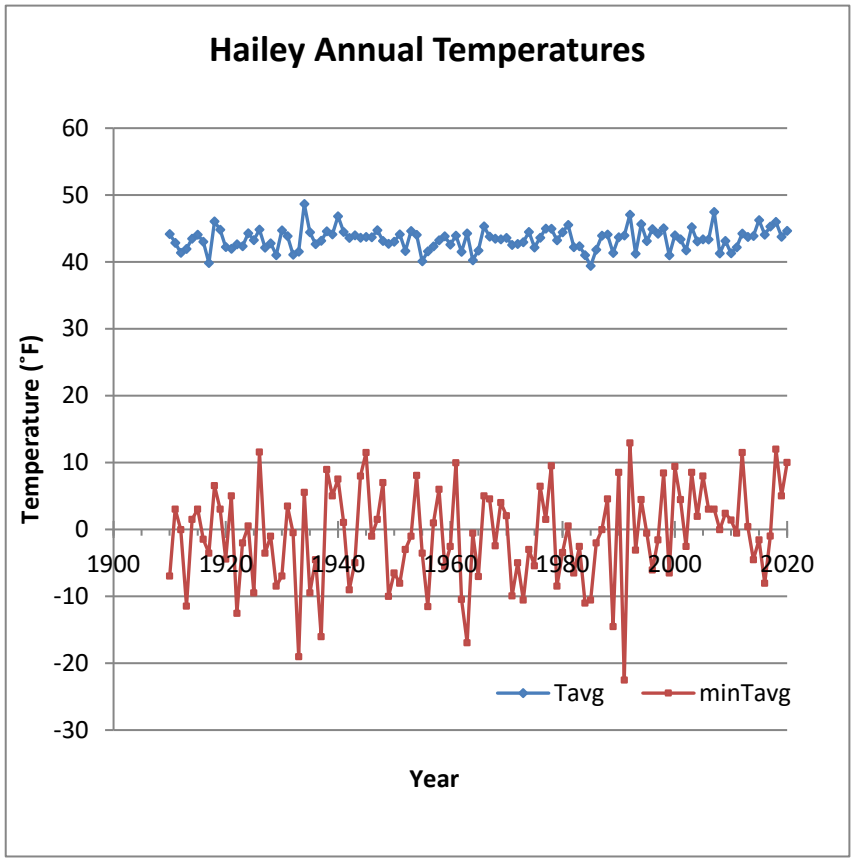


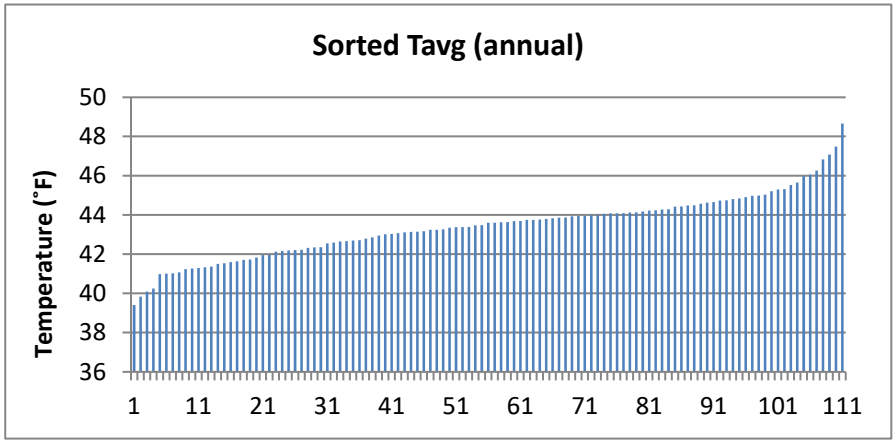


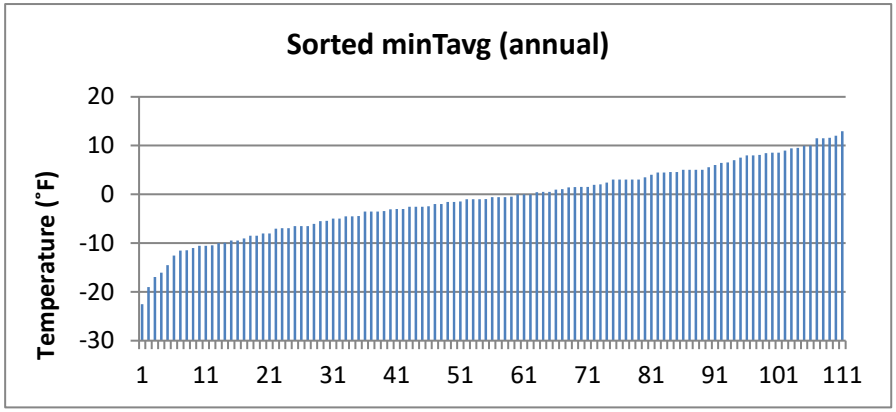


Station:	500 Hailey		
Water Years (WY)	Starting:	1910	Ending: 2020

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	46.0	32.7	22.0	19.6	24.1	32.2	42.6	51.5	58.9	67.6	65.9	56.9	43.4		-1.0
Sx	3.0	3.9	4.4	4.7	5.0	4.3	3.5	3.0	2.7	2.5	2.5	3.1	1.6		7.3
Skew	-0.04	-0.2	-0.1	-0.4	-0.1	0.0	0.0	0.2	0.5	-0.3	-0.2	-0.4	0.2		-0.3
Max	53.4	41.3	32.6	30.1	36.6	43.4	51.6	58.8	66.4	76.1	71.2	62.4	48.7		12.9
Min	37.8	22.1	9.4	6.0	10.4	20.3	34.3	44.7	54.4	58.3	60.4	49.4	39.4		-22.5
n (years)	111	111	111	111	111	111	111	111	111	111	111	111	111		111







Station: 500 Hailey

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.0	32.7	22.0	19.6	24.1	32.2	42.6	51.5	58.9	67.6	65.9	56.9	43.4	-1.0
5	0.2	43.5	29.4	18.3	15.6	19.9	28.6	39.7	49.0	56.6	65.5	63.8	54.3	42.1	-7.1
10	0.1	42.1	27.7	16.3	13.5	17.7	26.8	38.2	47.7	55.4	64.4	62.7	53.0	41.4	-10.3
20	0.05	41.0	26.3	14.7	11.8	15.9	25.2	36.9	46.6	54.4	63.5	61.8	51.8	40.8	-13.0
50	0.02	39.8	24.7	12.9	9.9	13.8	23.5	35.5	45.4	53.3	62.4	60.8	50.6	40.1	-15.9
100	0.01	39.0	23.6	11.7	8.6	12.4	22.3	34.6	44.6	52.5	61.7	60.1	49.7	39.7	-17.9

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.4	33.1	22.6	20.1	24.7	32.8	43.1	51.9	59.3	67.9	66.2	57.3	43.6	-0.1
5	0.2	43.9	29.9	18.9	16.3	20.6	29.2	40.2	49.4	57.0	65.8	64.2	54.7	42.3	-6.1
10	0.1	42.6	28.3	17.0	14.3	18.5	27.4	38.7	48.1	55.8	64.8	63.1	53.4	41.6	-9.2
20	0.05	41.6	26.9	15.5	12.7	16.7	26.0	37.5	47.1	54.9	63.9	62.3	52.4	41.1	-11.7
50	0.02	40.4	25.4	13.8	10.9	14.8	24.3	36.2	46.0	53.8	62.9	61.3	51.2	40.4	-14.5
100	0.01	39.6	24.5	12.7	9.7	13.5	23.2	35.3	45.2	53.1	62.3	60.7	50.4	40.0	-16.3

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.7	32.2	21.5	19.0	23.5	31.7	42.2	51.1	58.6	67.3	65.6	56.5	43.2	-1.8
5	0.2	43.0	28.8	17.6	14.9	19.1	28.0	39.2	48.5	56.2	65.1	63.5	53.9	41.8	-8.2
10	0.1	41.6	27.0	15.6	12.7	16.8	26.0	37.6	47.2	54.9	63.9	62.3	52.4	41.1	-11.6
20	0.05	40.4	25.5	13.8	10.9	14.9	24.3	36.2	46.0	53.9	63.0	61.3	51.2	40.5	-14.4
50	0.02	39.1	23.8	11.9	8.8	12.6	22.5	34.7	44.7	52.7	61.8	60.2	49.9	39.8	-17.6
100	0.01	38.2	22.6	10.6	7.4	11.2	21.2	33.7	43.8	51.8	61.1	59.5	49.0	39.3	-19.8

Station: 500 Hailey

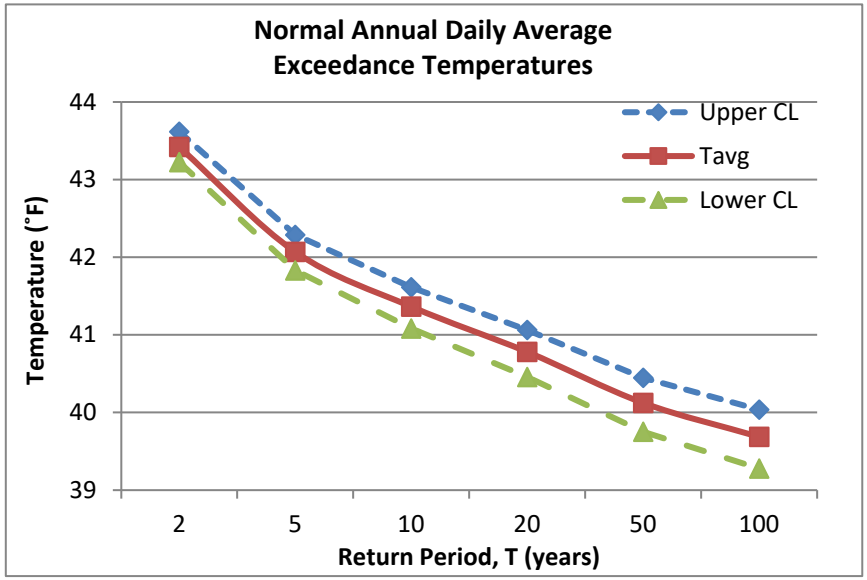
PIII DISTRIBUTION

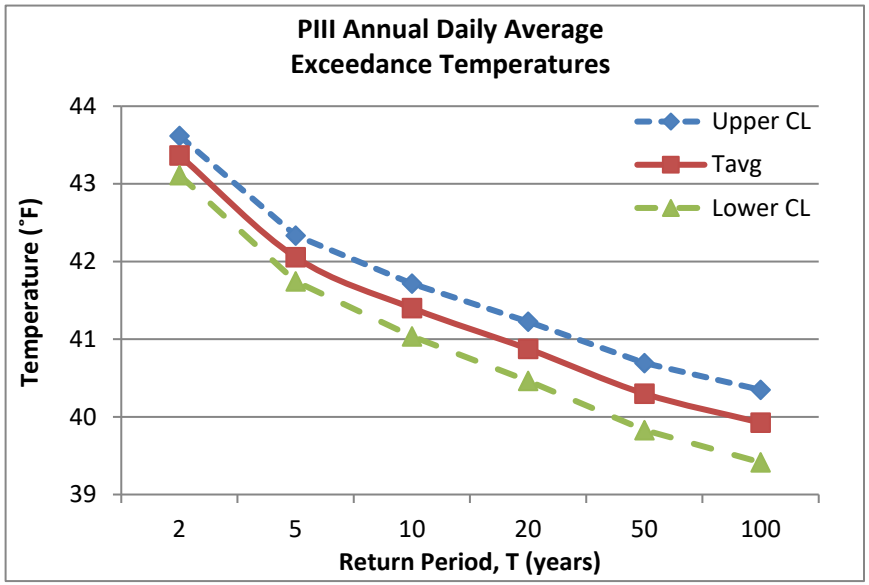
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.0	32.8	22.1	19.9	24.2	32.2	42.6	51.4	58.7	67.7	66.0	57.1	43.4	-0.5
5	0.2	43.5	29.4	18.3	15.7	19.9	28.6	39.7	49.0	56.6	65.5	63.9	54.4	42.1	-6.9
10	0.1	42.1	27.6	16.3	13.4	17.7	26.8	38.2	47.8	55.6	64.3	62.7	52.8	41.4	-10.5
20	0.05	41.0	26.0	14.6	11.4	15.8	25.2	37.0	46.8	54.8	63.2	61.7	51.5	40.9	-13.6
50	0.02	39.7	24.2	12.6	9.0	13.7	23.5	35.6	45.8	54.0	62.0	60.6	49.9	40.3	-17.2
100	0.01	38.9	23.0	11.3	7.3	12.2	22.4	34.7	45.1	53.5	61.1	59.8	48.8	39.9	-19.7

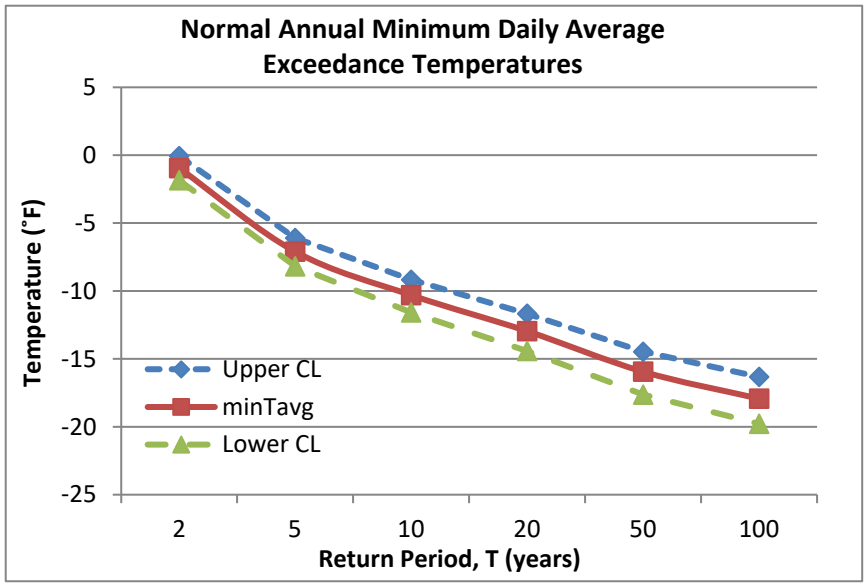
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.5	33.4	22.8	20.6	24.9	32.9	43.2	51.9	59.2	68.1	66.4	57.6	43.6	0.6
5	0.2	44.0	30.1	19.1	16.5	20.8	29.4	40.3	49.5	57.1	66.0	64.3	54.9	42.3	-5.7
10	0.1	42.7	28.4	17.2	14.3	18.6	27.6	38.9	48.3	56.1	64.8	63.2	53.5	41.7	-9.1
20	0.05	41.7	26.9	15.6	12.4	16.9	26.2	37.7	47.5	55.4	63.8	62.3	52.2	41.2	-12.0
50	0.02	40.5	25.3	13.8	10.3	14.9	24.6	36.5	46.5	54.6	62.7	61.2	50.7	40.7	-15.3
100	0.01	39.7	24.1	12.6	8.8	13.6	23.6	35.6	45.9	54.1	61.9	60.5	49.7	40.3	-17.6

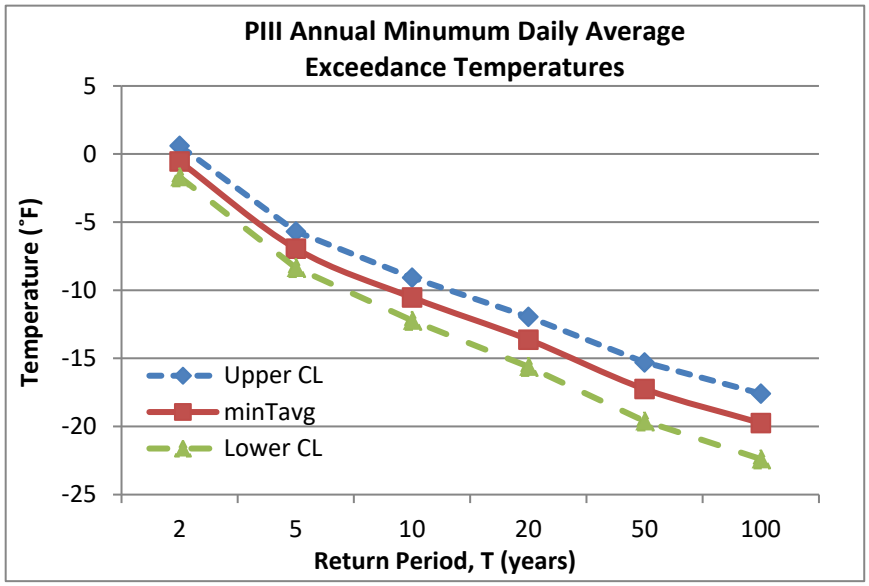
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.6	32.2	21.4	19.1	23.4	31.6	42.1	50.9	58.3	67.3	65.6	56.6	43.1	-1.7
5	0.2	42.9	28.7	17.5	14.8	18.9	27.8	39.0	48.4	56.0	65.0	63.4	53.8	41.7	-8.3
10	0.1	41.4	26.7	15.3	12.3	16.5	25.8	37.4	47.1	55.0	63.7	62.1	52.1	41.0	-12.2
20	0.05	40.2	25.0	13.4	10.1	14.4	24.1	36.1	46.0	54.1	62.6	61.0	50.6	40.5	-15.6
50	0.02	38.8	23.0	11.3	7.5	12.1	22.2	34.6	44.9	53.2	61.2	59.8	48.9	39.8	-19.6
100	0.01	37.9	21.7	9.8	5.6	10.5	21.0	33.5	44.2	52.6	60.2	58.9	47.6	39.4	-22.4

Station: 500 Hailey



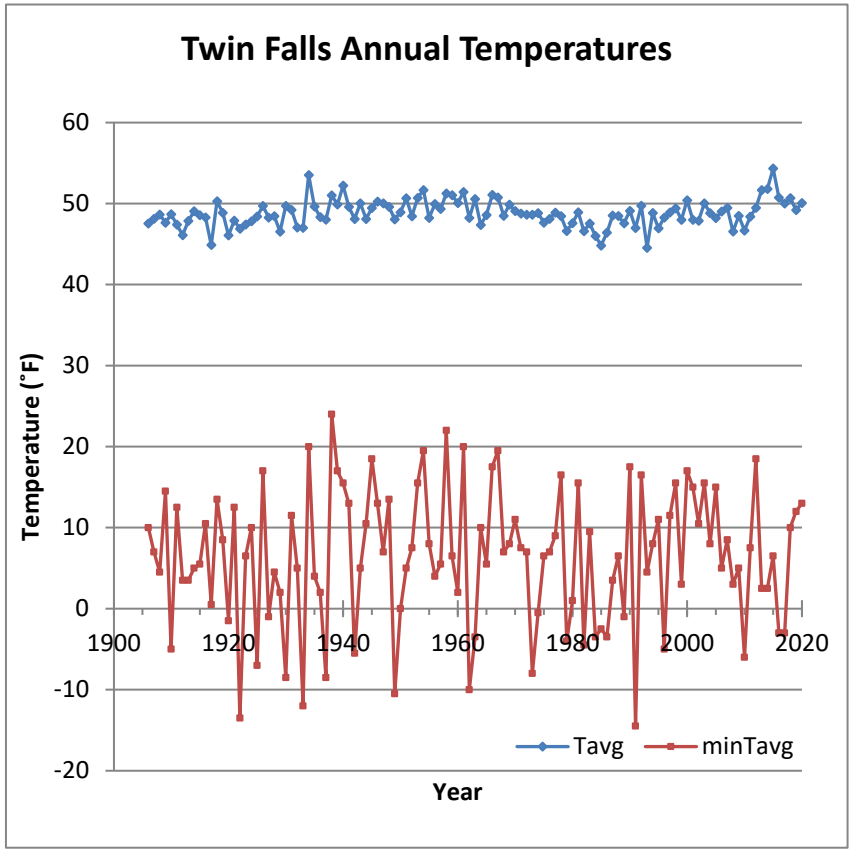


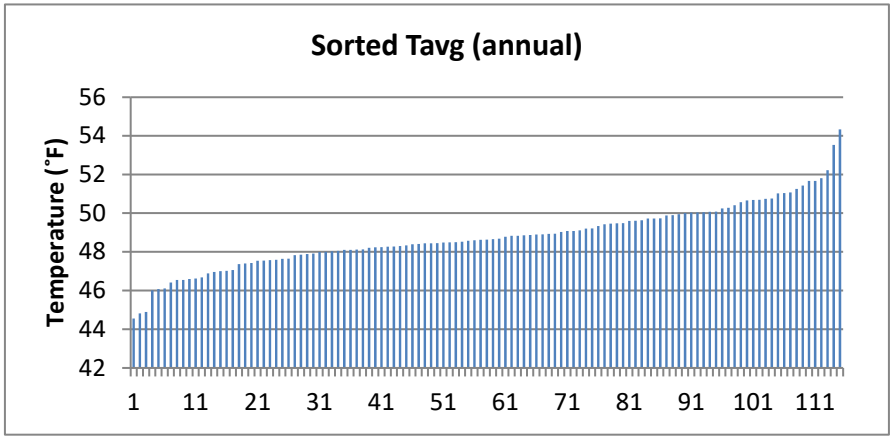


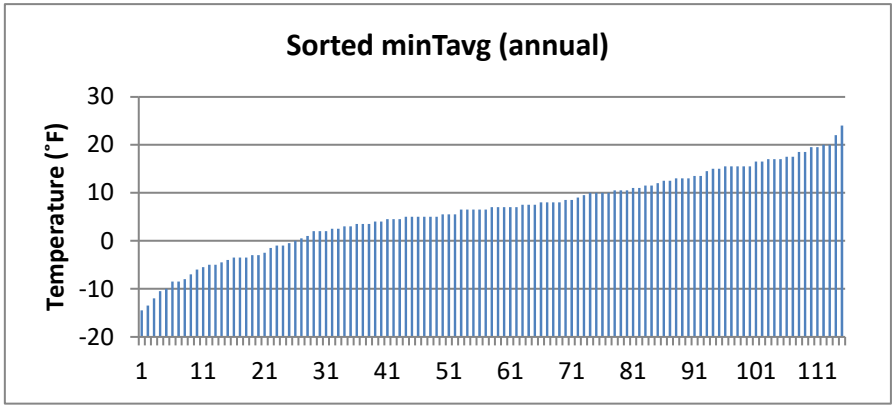


Station:	600 Twin Falls		
Water Years (WY)	Starting: 1906	Ending: 2020	

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	49.5	37.8	29.3	27.7	32.9	40.2	47.6	55.8	63.5	71.5	69.2	60.0	48.8		6.4
Sx	3.0	3.4	4.5	5.3	4.7	3.2	3.1	3.0	3.0	2.9	2.7	2.9	1.7		8.3
Skew	0.1	-0.5	-0.6	-0.7	-0.3	-0.1	0.0	0.2	0.5	-0.3	0.1	-0.1	0.3		-0.3
Max	58.5	44.7	40.0	40.3	42.6	48.9	55.4	63.8	73.5	79.5	77.1	66.6	54.3		24.0
Min	41.8	26.8	12.8	7.8	19.4	30.8	40.4	49.6	57.0	60.9	63.6	53.1	44.6		-14.5
n (years)	114	115	114	115	115	115	113	114	114	115	115	115	115		115







Station: 600 Twin Falls

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	49.5	37.8	29.3	27.7	32.9	40.2	47.6	55.8	63.5	71.5	69.2	60.0	48.8	6.4
5	0.2	47.0	35.0	25.5	23.2	28.9	37.4	44.9	53.2	61.0	69.1	67.0	57.5	47.4	-0.7
10	0.1	45.7	33.5	23.5	20.8	26.8	36.0	43.5	51.9	59.7	67.8	65.8	56.2	46.7	-4.3
20	0.05	44.6	32.3	21.9	18.9	25.1	34.9	42.4	50.8	58.6	66.8	64.8	55.2	46.1	-7.4
50	0.02	43.4	30.9	20.0	16.7	23.2	33.5	41.1	49.5	57.4	65.6	63.7	54.0	45.4	-10.8
100	0.01	42.6	30.0	18.8	15.3	21.9	32.7	40.3	48.7	56.6	64.8	63.0	53.2	45.0	-13.0

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	49.9	38.2	29.9	28.3	33.5	40.5	47.9	56.1	63.9	71.8	69.5	60.4	49.0	7.4
5	0.2	47.4	35.4	26.1	23.9	29.5	37.9	45.3	53.6	61.4	69.5	67.3	57.9	47.6	0.5
10	0.1	46.2	34.0	24.2	21.7	27.6	36.5	44.0	52.3	60.2	68.3	66.2	56.7	46.9	-3.1
20	0.05	45.1	32.9	22.7	19.8	25.9	35.4	42.9	51.3	59.2	67.3	65.3	55.7	46.4	-5.9
50	0.02	44.0	31.6	20.9	17.8	24.1	34.2	41.7	50.1	58.0	66.2	64.3	54.5	45.7	-9.1
100	0.01	43.2	30.7	19.8	16.4	22.9	33.4	40.9	49.3	57.3	65.4	63.6	53.8	45.3	-11.3

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	49.2	37.4	28.8	27.0	32.3	39.8	47.2	55.4	63.2	71.2	68.9	59.6	48.6	5.4
5	0.2	46.6	34.5	24.9	22.4	28.2	37.0	44.5	52.7	60.6	68.7	66.6	57.1	47.2	-1.9
10	0.1	45.2	32.9	22.8	19.9	26.0	35.5	43.0	51.3	59.2	67.3	65.3	55.7	46.4	-5.8
20	0.05	44.0	31.6	21.0	17.9	24.2	34.2	41.8	50.1	58.0	66.2	64.3	54.6	45.8	-9.0
50	0.02	42.7	30.1	19.0	15.5	22.1	32.8	40.4	48.8	56.7	65.0	63.1	53.3	45.0	-12.7
100	0.01	41.8	29.1	17.7	14.0	20.7	31.9	39.5	47.9	55.9	64.1	62.3	52.4	44.5	-15.1

Station: 600 Twin Falls

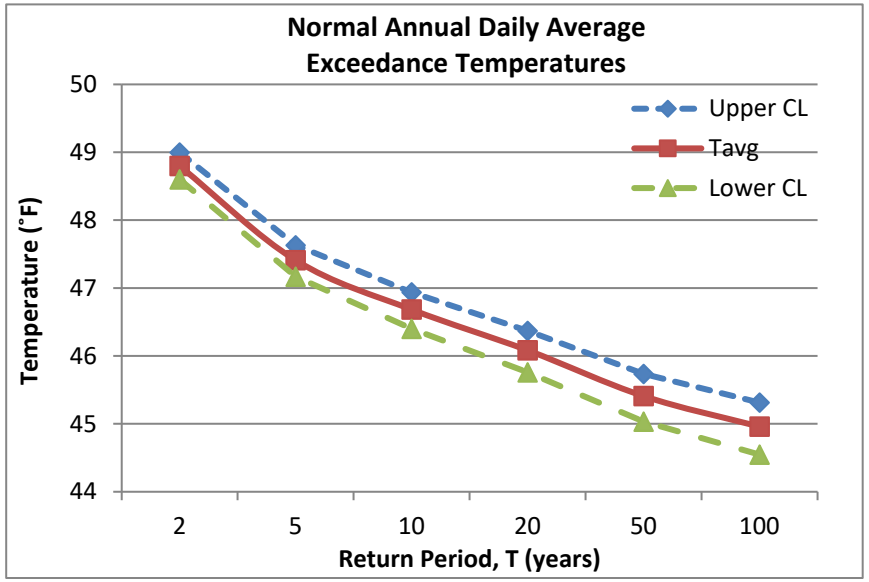
PIII DISTRIBUTION

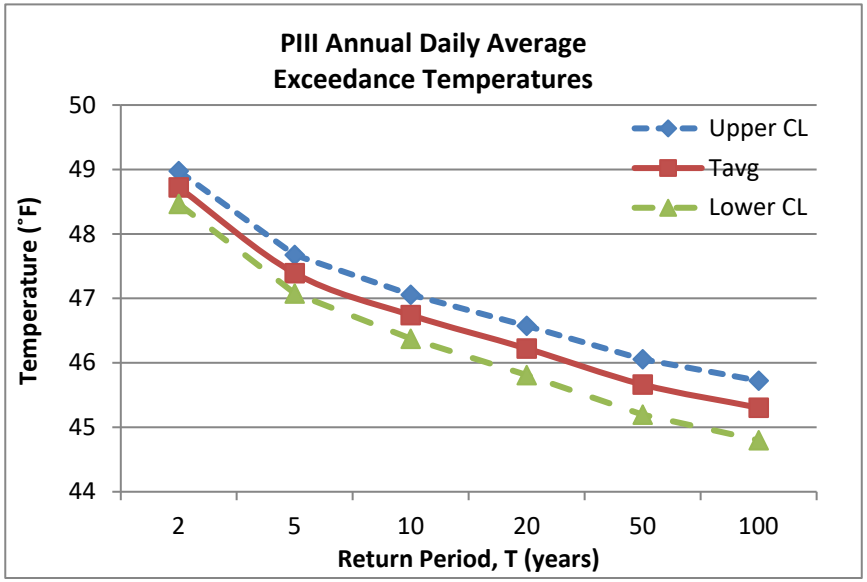
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	49.5	38.1	29.8	28.3	33.1	40.2	47.5	55.6	63.3	71.7	69.2	60.1	48.7	6.8
5	0.2	47.0	35.1	25.7	23.5	29.0	37.5	44.9	53.2	61.0	69.1	67.0	57.5	47.4	-0.5
10	0.1	45.7	33.4	23.3	20.6	26.7	36.0	43.6	51.9	59.9	67.7	65.8	56.2	46.7	-4.6
20	0.05	44.7	31.9	21.3	18.0	24.7	34.8	42.4	51.0	59.1	66.5	64.9	55.1	46.2	-8.1
50	0.02	43.5	30.1	18.8	14.9	22.4	33.4	41.2	49.9	58.3	65.1	63.9	53.8	45.7	-12.2
100	0.01	42.7	28.8	17.0	12.7	20.8	32.5	40.4	49.2	57.8	64.2	63.3	52.9	45.3	-15.0

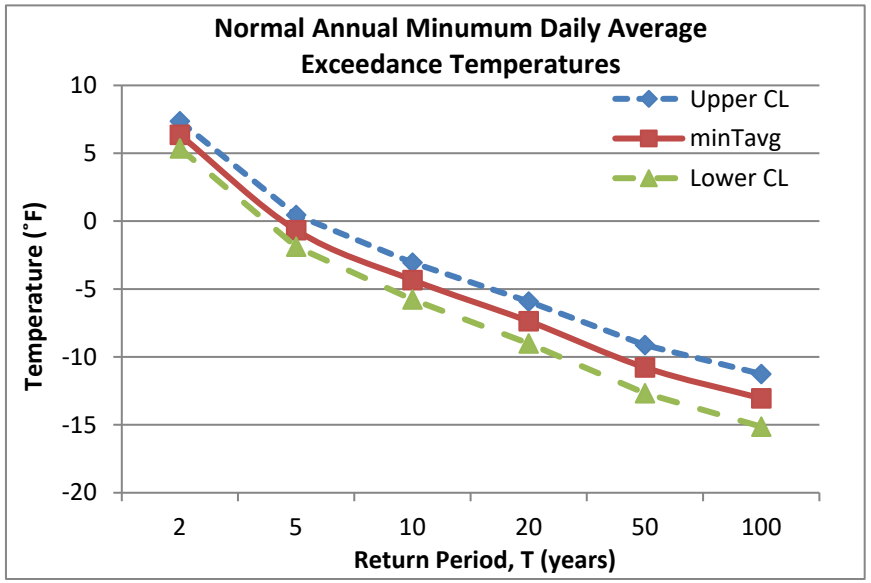
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	50.0	38.6	30.5	29.1	33.9	40.7	48.0	56.1	63.7	72.1	69.6	60.5	49.0	8.1
5	0.2	47.5	35.7	26.5	24.4	29.8	38.0	45.4	53.7	61.5	69.6	67.4	58.0	47.7	0.9
10	0.1	46.3	34.0	24.2	21.6	27.6	36.6	44.2	52.5	60.5	68.3	66.4	56.8	47.1	-2.9
20	0.05	45.3	32.6	22.3	19.2	25.8	35.5	43.1	51.6	59.7	67.2	65.5	55.7	46.6	-6.2
50	0.02	44.2	31.0	20.0	16.4	23.7	34.2	42.0	50.6	59.0	65.9	64.6	54.5	46.1	-10.0
100	0.01	43.5	29.8	18.4	14.3	22.2	33.4	41.2	50.0	58.5	65.0	64.0	53.7	45.7	-12.6

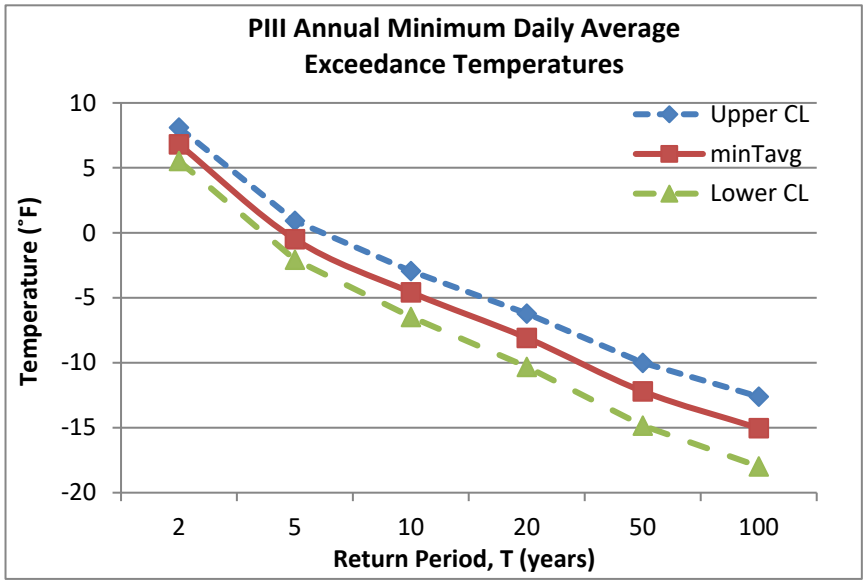
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	49.0	37.6	29.1	27.4	32.4	39.7	47.0	55.2	62.8	71.2	68.7	59.6	48.5	5.5
5	0.2	46.4	34.5	24.9	22.5	28.1	36.8	44.3	52.6	60.4	68.6	66.4	57.0	47.1	-2.1
10	0.1	45.0	32.6	22.3	19.4	25.6	35.3	42.8	51.3	59.3	67.1	65.2	55.5	46.4	-6.5
20	0.05	43.9	30.9	20.0	16.6	23.5	34.0	41.6	50.2	58.4	65.8	64.3	54.3	45.8	-10.3
50	0.02	42.6	29.0	17.3	13.1	20.9	32.5	40.3	49.0	57.5	64.2	63.2	52.9	45.2	-14.8
100	0.01	41.8	27.6	15.3	10.6	19.2	31.4	39.3	48.3	56.9	63.2	62.4	51.9	44.8	-18.0

Station: 600 Twin Falls



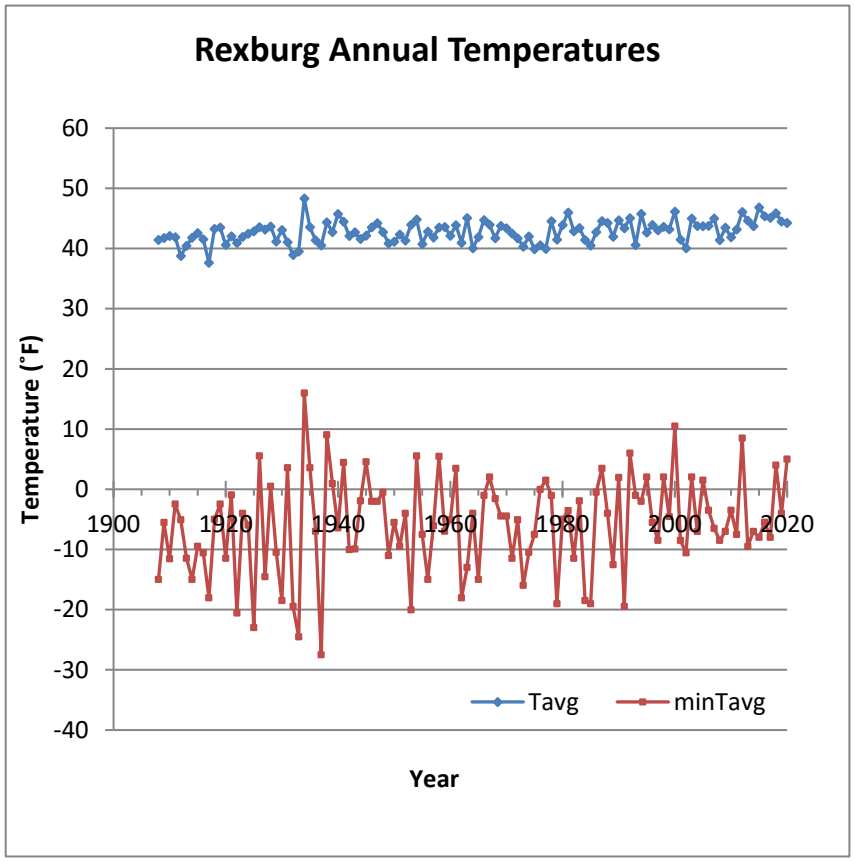


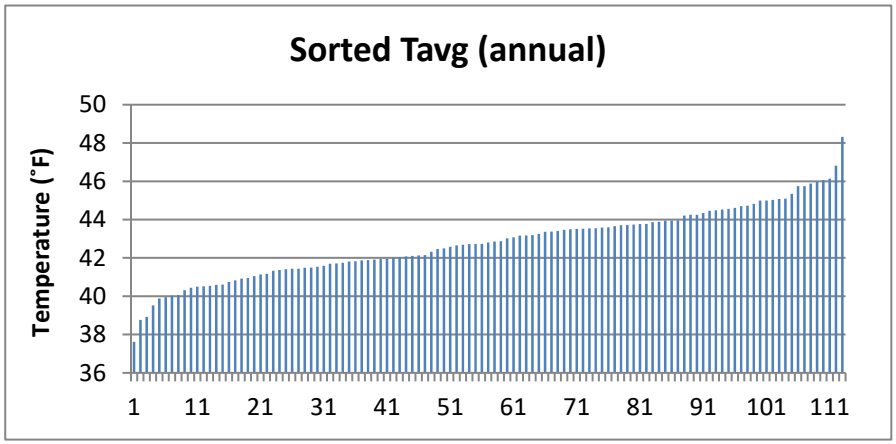


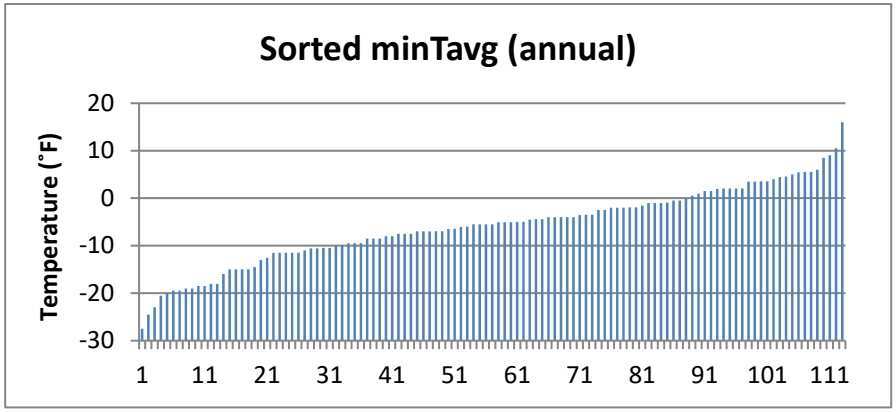


Station:	700 Rexburg		
Water Years (WY)	Starting:	1908	Ending: 2020

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	44.9	31.9	21.0	18.4	22.5	31.8	42.9	52.1	59.5	66.9	64.7	55.9	42.8		-5.9
Sx	3.1	4.1	4.8	5.5	5.9	5.0	3.4	2.9	2.7	2.4	2.6	2.9	1.8		8.0
Skew	-0.2	-0.1	0.0	-0.4	-0.3	-0.3	-0.1	0.0	0.1	-0.1	0.0	-0.3	0.0		-0.2
Max	51.8	42.5	33.7	32.3	36.0	42.4	50.7	58.3	66.5	73.3	70.3	62.2	48.3		16.0
Min	36.7	21.7	11.8	-0.1	6.2	17.7	33.1	46.0	52.5	58.4	58.9	47.5	37.6		-27.5
n (years)	112	111	112	113	113	113	113	113	113	112	112	112	113		113







Station: 700 Rexburg

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	44.9	31.9	21.0	18.4	22.5	31.8	42.9	52.1	59.5	66.9	64.7	55.9	42.8	-5.9
5	0.2	42.3	28.4	17.0	13.7	17.5	27.6	40.1	49.6	57.2	64.8	62.6	53.4	41.2	-12.6
10	0.1	40.9	26.6	14.9	11.3	14.9	25.4	38.6	48.3	56.0	63.8	61.4	52.1	40.4	-16.1
20	0.05	39.8	25.2	13.1	9.3	12.8	23.6	37.3	47.3	55.0	62.9	60.5	51.1	39.8	-19.1
50	0.02	38.5	23.5	11.2	7.1	10.4	21.5	35.9	46.1	53.9	61.9	59.4	49.9	39.0	-22.3
100	0.01	37.7	22.4	9.9	5.6	8.8	20.1	35.0	45.3	53.2	61.2	58.7	49.1	38.5	-24.5

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.2	32.4	21.6	19.0	23.2	32.4	43.3	52.4	59.8	67.2	65.0	56.2	43.0	-4.9
5	0.2	42.7	29.0	17.6	14.5	18.3	28.3	40.5	50.0	57.6	65.2	62.9	53.8	41.5	-11.5
10	0.1	41.4	27.3	15.6	12.2	15.9	26.2	39.1	48.8	56.4	64.1	61.8	52.6	40.7	-14.9
20	0.05	40.3	25.9	14.0	10.3	13.8	24.4	37.9	47.8	55.5	63.3	60.9	51.6	40.1	-17.7
50	0.02	39.2	24.3	12.1	8.2	11.6	22.5	36.6	46.7	54.5	62.4	59.9	50.5	39.4	-20.7
100	0.01	38.4	23.3	10.9	6.8	10.1	21.2	35.7	45.9	53.8	61.7	59.3	49.7	38.9	-22.8

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	44.5	31.4	20.4	17.7	21.8	31.2	42.5	51.7	59.2	66.6	64.4	55.5	42.6	-6.8
5	0.2	41.8	27.8	16.3	12.9	16.7	26.8	39.6	49.2	56.8	64.5	62.2	53.0	41.0	-13.8
10	0.1	40.4	25.9	14.0	10.4	13.9	24.5	38.0	47.8	55.5	63.3	61.0	51.6	40.1	-17.5
20	0.05	39.2	24.3	12.2	8.2	11.6	22.6	36.6	46.7	54.5	62.4	60.0	50.5	39.4	-20.6
50	0.02	37.8	22.5	10.1	5.8	9.1	20.4	35.1	45.4	53.3	61.3	58.8	49.2	38.6	-24.2
100	0.01	36.9	21.3	8.7	4.2	7.3	18.9	34.1	44.6	52.5	60.6	58.1	48.4	38.0	-26.5

Station: 700 Rexburg

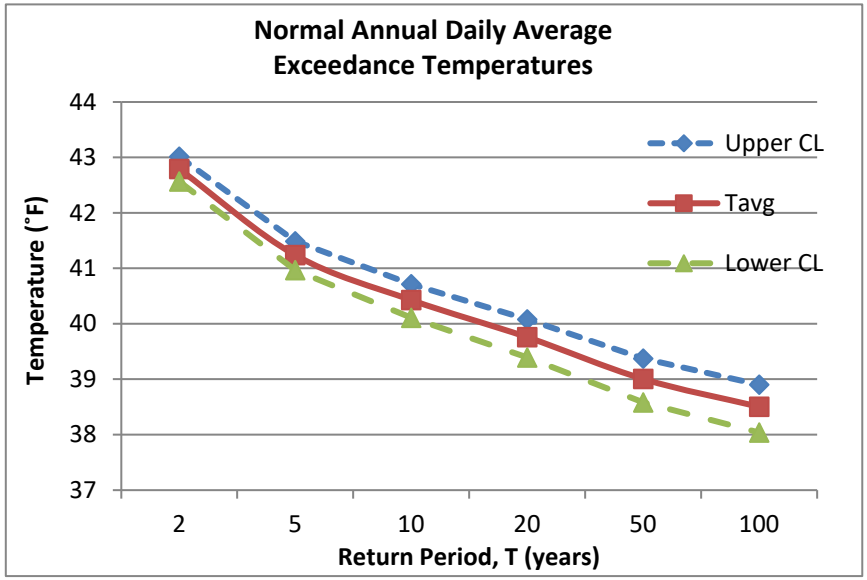
PIII DISTRIBUTION

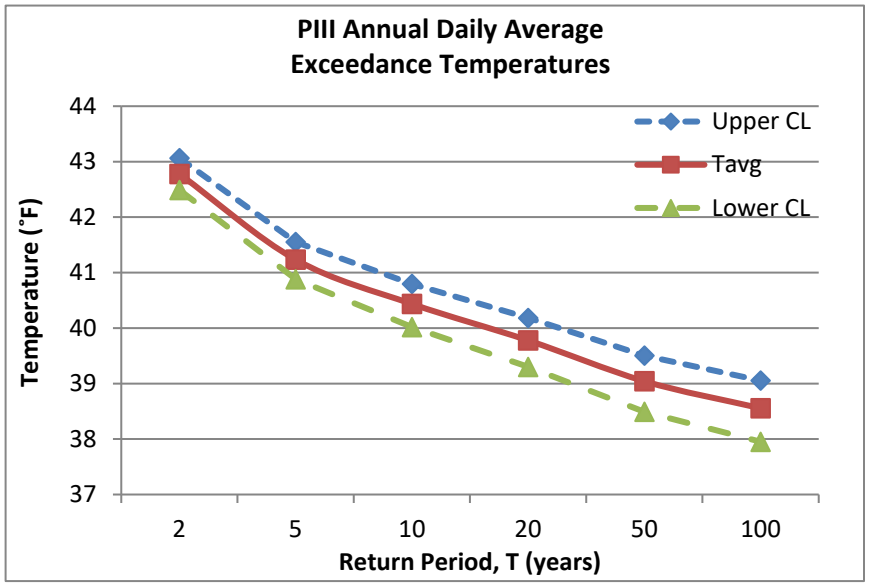
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.0	32.0	21.0	18.8	22.8	32.0	43.0	52.1	59.4	66.9	64.7	56.0	42.8	-5.6
5	0.2	42.3	28.5	17.0	13.9	17.6	27.7	40.1	49.6	57.2	64.8	62.6	53.5	41.2	-12.5
10	0.1	40.9	26.6	14.9	11.1	14.8	25.3	38.5	48.3	56.1	63.7	61.4	52.0	40.4	-16.3
20	0.05	39.6	25.0	13.2	8.7	12.3	23.2	37.2	47.2	55.1	62.8	60.5	50.8	39.8	-19.5
50	0.02	38.2	23.2	11.3	5.8	9.4	20.8	35.7	46.0	54.1	61.7	59.4	49.4	39.0	-23.2
100	0.01	37.3	22.0	10.1	3.8	7.4	19.2	34.7	45.2	53.5	61.0	58.7	48.4	38.6	-25.7

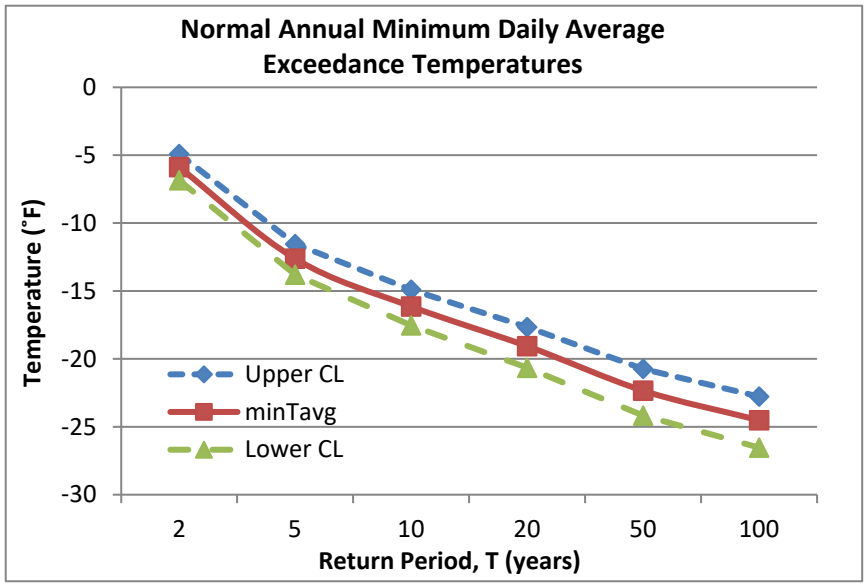
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.4	32.6	21.7	19.6	23.7	32.8	43.5	52.6	59.9	67.3	65.1	56.5	43.1	-4.4
5	0.2	42.8	29.2	17.8	14.8	18.7	28.5	40.7	50.1	57.7	65.3	63.0	54.0	41.6	-11.2
10	0.1	41.5	27.4	15.8	12.2	15.9	26.2	39.2	48.9	56.6	64.2	61.9	52.6	40.8	-14.7
20	0.05	40.3	25.9	14.3	9.9	13.6	24.3	38.0	47.9	55.7	63.3	61.0	51.5	40.2	-17.7
50	0.02	39.0	24.3	12.5	7.3	10.9	22.1	36.6	46.8	54.8	62.3	60.1	50.2	39.5	-21.1
100	0.01	38.2	23.2	11.3	5.4	9.1	20.6	35.7	46.0	54.2	61.7	59.4	49.2	39.1	-23.4

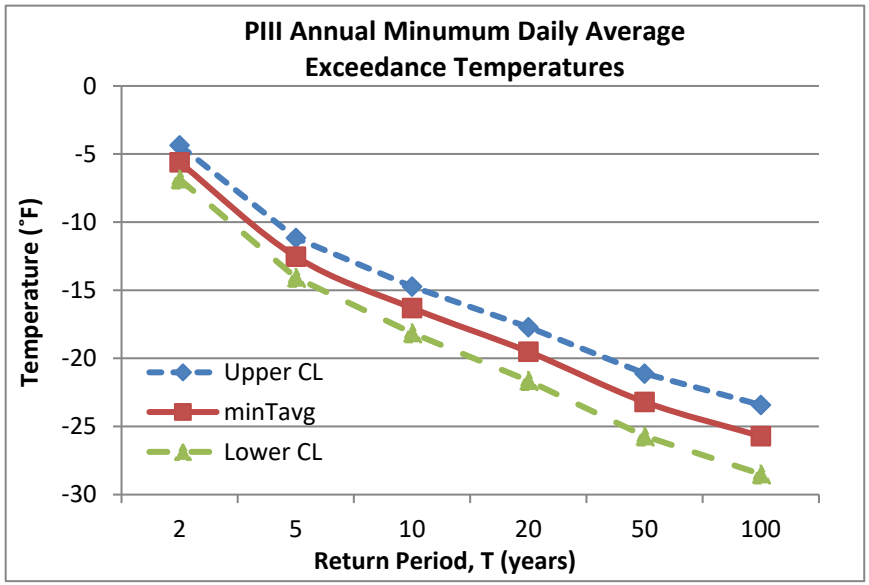
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	44.5	31.3	20.2	17.9	21.9	31.3	42.5	51.7	59.0	66.5	64.3	55.6	42.5	-6.9
5	0.2	41.7	27.7	16.0	12.8	16.5	26.7	39.4	49.1	56.7	64.4	62.1	52.9	40.9	-14.1
10	0.1	40.2	25.7	13.8	9.8	13.4	24.1	37.7	47.7	55.5	63.2	60.8	51.4	40.0	-18.1
20	0.05	38.8	23.9	12.0	7.2	10.7	21.9	36.3	46.5	54.4	62.1	59.8	50.0	39.3	-21.6
50	0.02	37.3	22.0	9.9	4.0	7.5	19.2	34.7	45.1	53.3	61.0	58.6	48.4	38.5	-25.7
100	0.01	36.2	20.6	8.5	1.8	5.3	17.4	33.6	44.2	52.6	60.2	57.9	47.3	38.0	-28.5

Station: 700 Rexburg



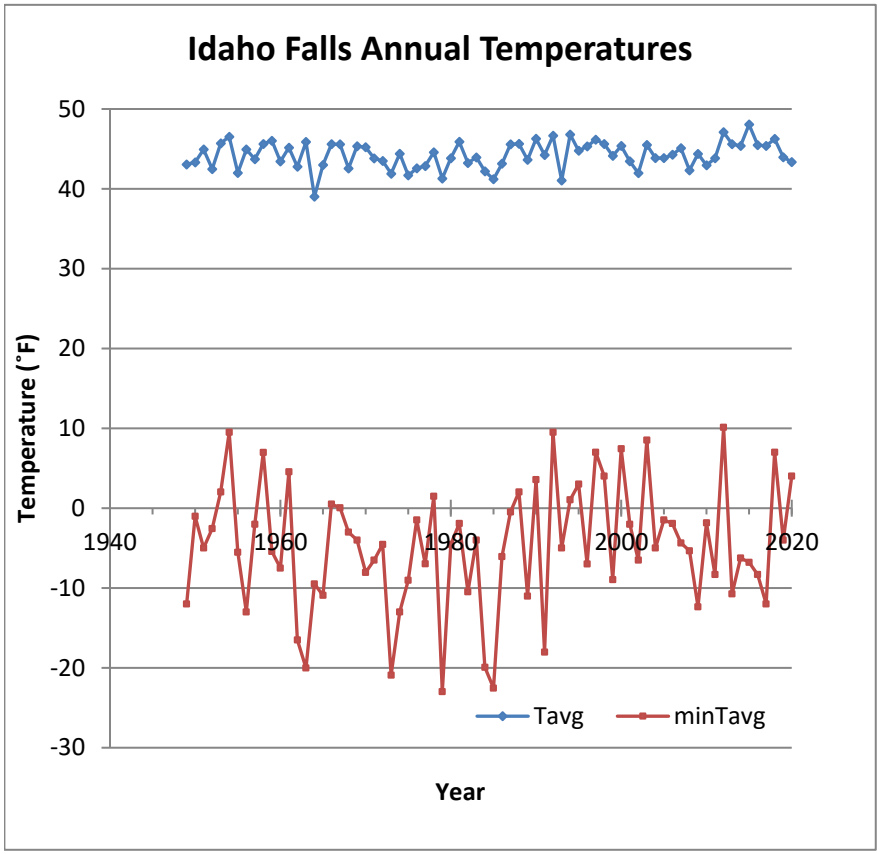


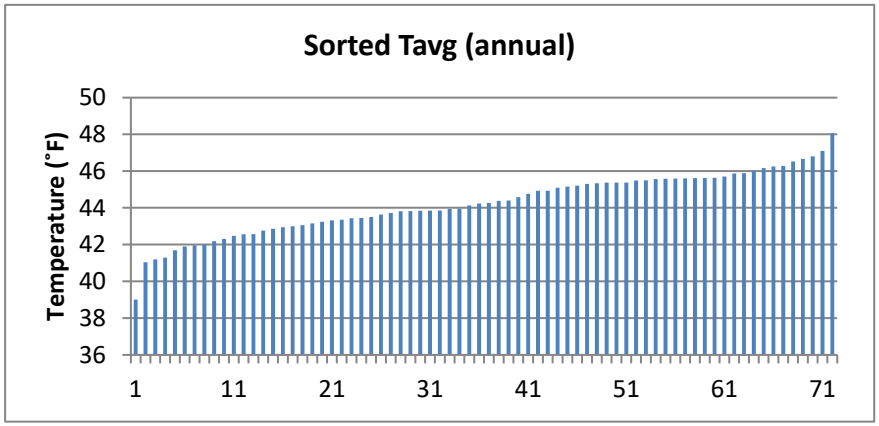


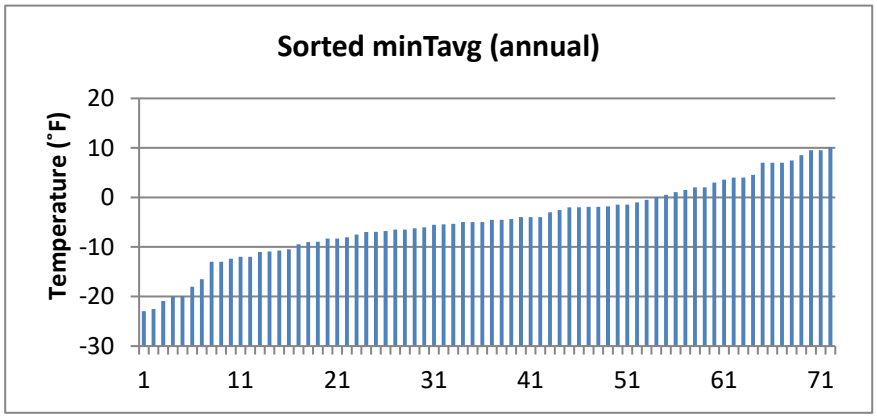


Station:	750 Idaho Falls		
Water Years (WY)	Starting:	1949	Ending: 2020

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	45.5	32.7	21.7	19.4	24.5	34.7	44.2	53.1	61.0	68.6	66.9	57.5	44.2		-4.7
Sx	2.9	3.8	4.7	6.2	6.4	4.7	2.9	2.6	2.5	2.2	2.3	3.0	1.7		7.8
Skew	-0.2	-0.2	-0.4	-0.1	-0.3	-0.9	-0.1	0.2	0.5	-0.9	0.0	-0.4	-0.4		-0.3
Max	52.6	40.0	30.0	32.8	36.9	42.9	50.1	59.9	67.5	72.4	71.6	64.2	48.1		10.1
Min	36.9	23.7	10.0	4.2	7.1	17.7	37.5	47.5	56.6	59.8	62.6	49.8	39.0		-23.0
n (years)	72	72	72	72	72	72	72	72	72	72	72	72	72		72







Station:	750 Idaho Falls

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.5	32.7	21.7	19.4	24.5	34.7	44.2	53.1	61.0	68.6	66.9	57.5	44.2	-4.7
5	0.2	43.1	29.5	17.8	14.3	19.2	30.7	41.8	50.9	58.8	66.8	65.0	55.1	42.8	-11.2
10	0.1	41.9	27.8	15.7	11.5	16.4	28.7	40.6	49.7	57.7	65.8	64.0	53.8	42.1	-14.7
20	0.05	40.8	26.5	14.0	9.3	14.0	27.0	39.5	48.8	56.8	65.1	63.2	52.7	41.5	-17.5
50	0.02	39.6	24.9	12.1	6.8	11.4	25.0	38.4	47.7	55.8	64.2	62.2	51.5	40.8	-20.7
100	0.01	38.9	23.9	10.9	5.1	9.7	23.8	37.6	47.0	55.1	63.6	61.6	50.7	40.3	-22.8

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.0	33.2	22.4	20.4	25.5	35.4	44.7	53.5	61.4	68.9	67.2	58.0	44.5	-3.5
5	0.2	43.6	30.1	18.6	15.3	20.2	31.5	42.3	51.3	59.3	67.2	65.3	55.5	43.1	-9.9
10	0.1	42.4	28.6	16.6	12.7	17.6	29.6	41.1	50.2	58.2	66.3	64.4	54.3	42.4	-13.2
20	0.05	41.4	27.3	15.0	10.6	15.4	28.0	40.1	49.3	57.3	65.5	63.6	53.3	41.8	-15.8
50	0.02	40.3	25.9	13.3	8.3	13.0	26.2	39.1	48.3	56.4	64.7	62.8	52.2	41.2	-18.8
100	0.01	39.6	24.9	12.1	6.8	11.4	25.0	38.4	47.7	55.8	64.2	62.2	51.5	40.8	-20.7

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.1	32.1	21.0	18.5	23.6	34.0	43.8	52.7	60.6	68.3	66.5	57.1	44.0	-5.9
5	0.2	42.6	28.8	16.9	13.1	18.0	29.9	41.3	50.4	58.4	66.4	64.5	54.5	42.5	-12.7
10	0.1	41.2	27.0	14.7	10.2	14.9	27.6	39.9	49.1	57.2	65.4	63.5	53.1	41.7	-16.4
20	0.05	40.1	25.5	12.9	7.7	12.4	25.8	38.8	48.1	56.2	64.5	62.6	51.9	41.1	-19.5
50	0.02	38.8	23.8	10.8	5.0	9.5	23.6	37.5	46.9	55.0	63.5	61.6	50.6	40.3	-23.0
100	0.01	37.9	22.7	9.4	3.1	7.6	22.2	36.7	46.1	54.3	62.9	60.9	49.7	39.8	-25.3

Station: 750 Idaho Falls

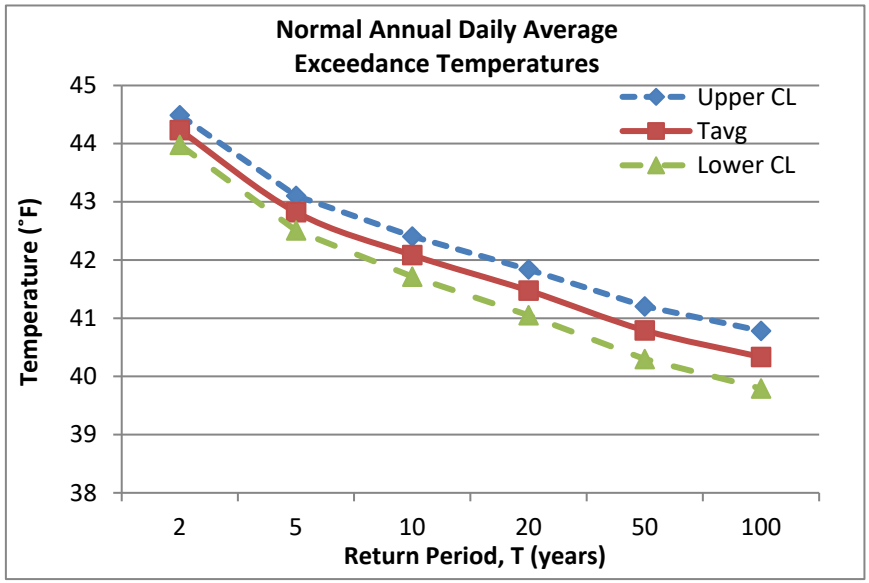
PIII DISTRIBUTION

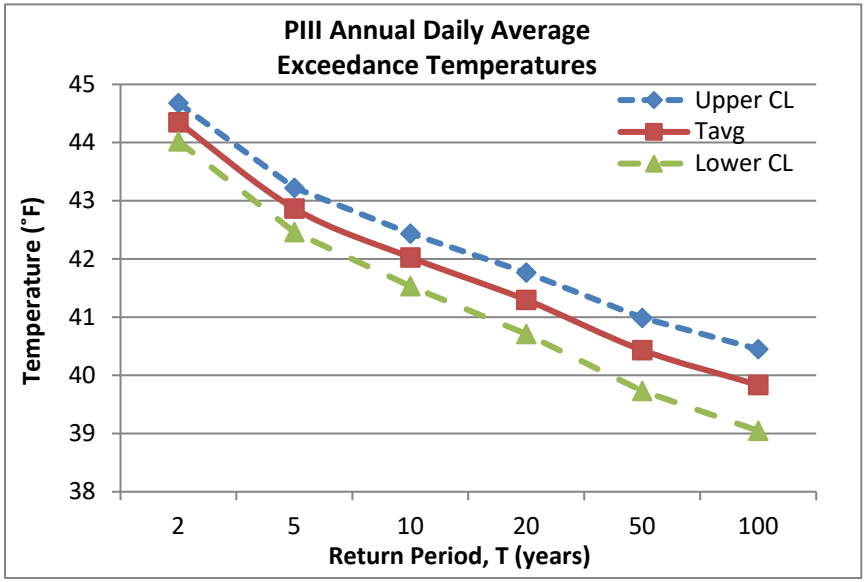
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.6	32.8	22.0	19.6	24.9	35.4	44.3	53.0	60.8	68.9	66.9	57.7	44.3	-4.3
5	0.2	43.1	29.5	17.9	14.3	19.3	31.1	41.8	50.8	58.8	67.0	65.0	55.1	42.9	-11.1
10	0.1	41.8	27.8	15.6	11.5	16.2	28.4	40.5	49.8	57.9	65.7	64.0	53.7	42.0	-14.9
20	0.05	40.7	26.3	13.5	9.1	13.5	26.0	39.5	48.9	57.2	64.6	63.2	52.4	41.3	-18.1
50	0.02	39.4	24.5	11.1	6.4	10.3	23.0	38.2	48.0	56.5	63.2	62.2	50.9	40.4	-21.8
100	0.01	38.5	23.4	9.5	4.5	8.1	20.8	37.4	47.3	56.0	62.2	61.6	49.8	39.8	-24.3

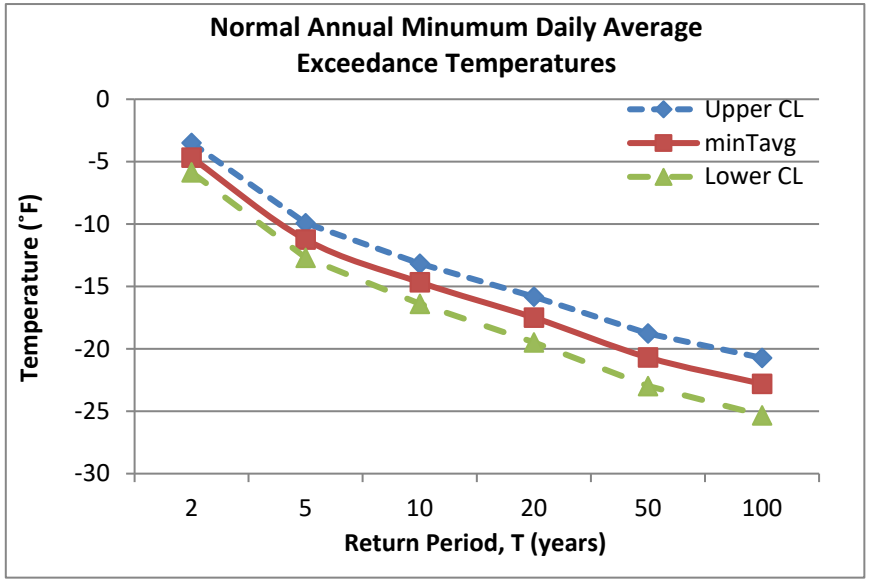
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	46.2	33.5	22.9	20.8	26.2	36.3	44.8	53.5	61.3	69.3	67.3	58.3	44.7	-2.8
5	0.2	43.7	30.3	18.9	15.6	20.6	32.1	42.4	51.4	59.3	67.4	65.5	55.7	43.2	-9.5
10	0.1	42.5	28.7	16.7	13.0	17.7	29.6	41.2	50.4	58.5	66.3	64.5	54.4	42.4	-13.0
20	0.05	41.5	27.3	14.8	10.8	15.2	27.3	40.2	49.6	57.8	65.2	63.8	53.2	41.8	-15.9
50	0.02	40.3	25.8	12.7	8.3	12.4	24.6	39.1	48.7	57.2	64.0	62.9	51.9	41.0	-19.3
100	0.01	39.5	24.7	11.2	6.6	10.4	22.7	38.4	48.2	56.8	63.1	62.4	50.9	40.4	-21.5

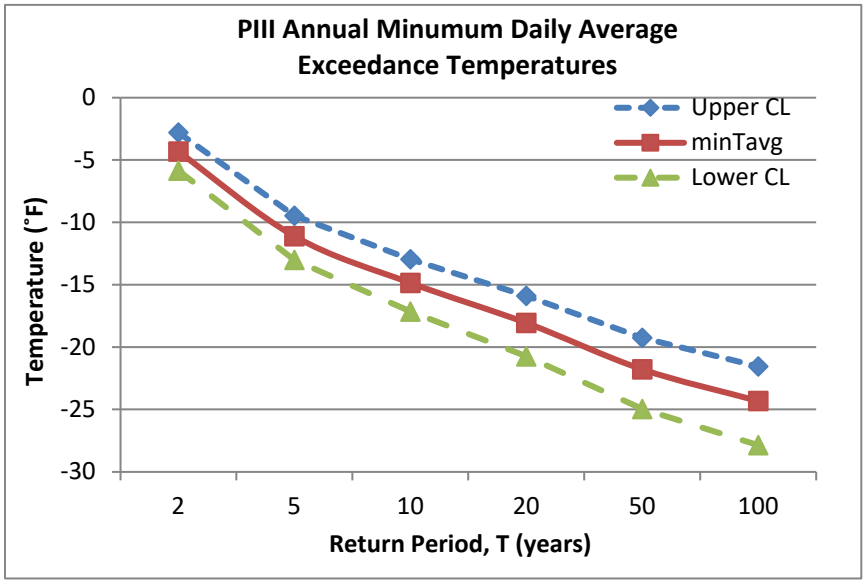
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	45.0	32.1	21.1	18.4	23.7	34.5	43.7	52.5	60.3	68.5	66.4	57.1	44.0	-5.8
5	0.2	42.4	28.6	16.8	12.8	17.7	30.0	41.1	50.2	58.2	66.4	64.4	54.4	42.5	-13.0
10	0.1	41.0	26.7	14.2	9.7	14.3	27.0	39.7	49.0	57.2	65.1	63.3	52.8	41.5	-17.1
20	0.05	39.7	25.0	11.9	7.0	11.2	24.3	38.5	48.0	56.4	63.8	62.4	51.4	40.7	-20.7
50	0.02	38.2	23.0	9.2	3.9	7.7	20.8	37.1	47.0	55.6	62.3	61.3	49.7	39.7	-25.0
100	0.01	37.2	21.7	7.3	1.8	5.2	18.3	36.1	46.3	55.1	61.1	60.6	48.5	39.0	-27.9

Station: 750 Idaho Falls



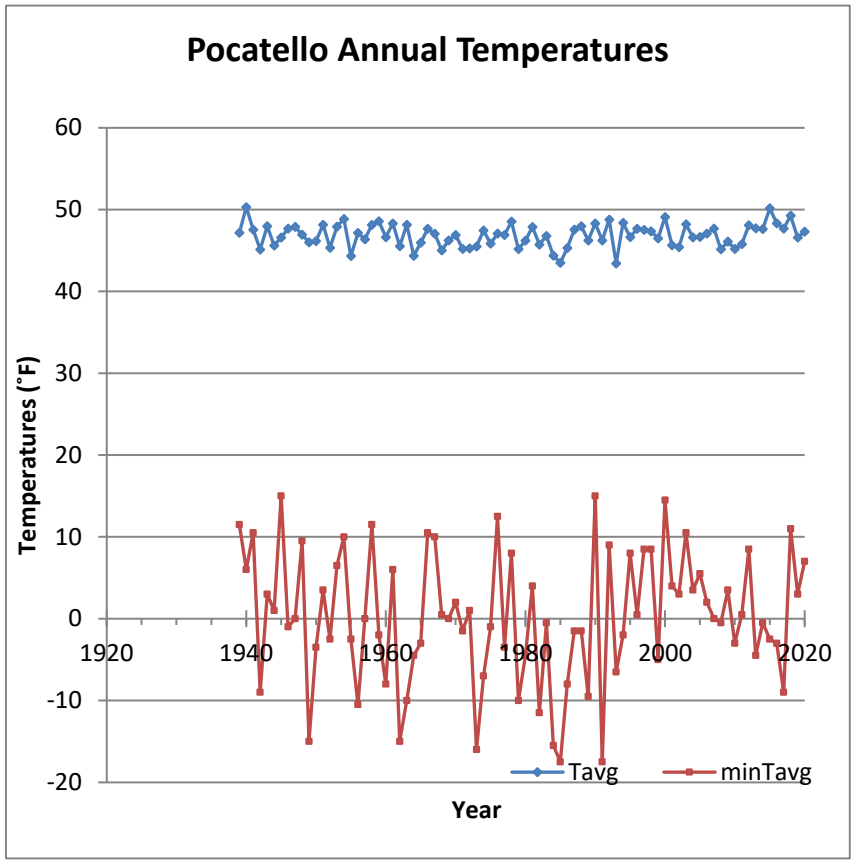


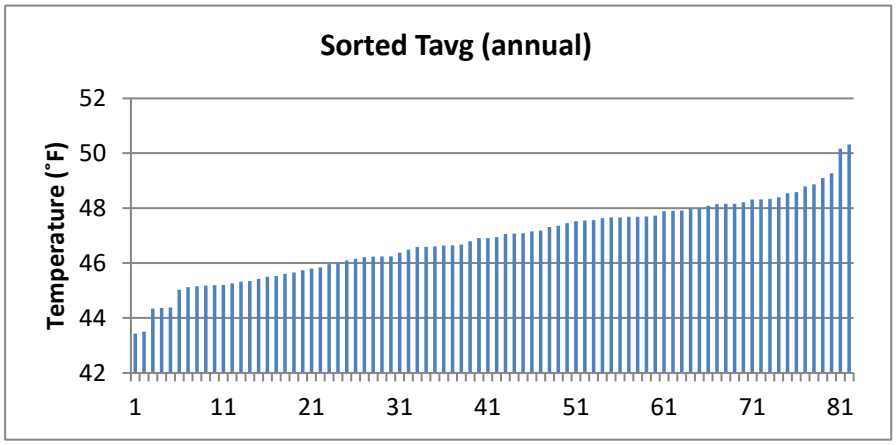


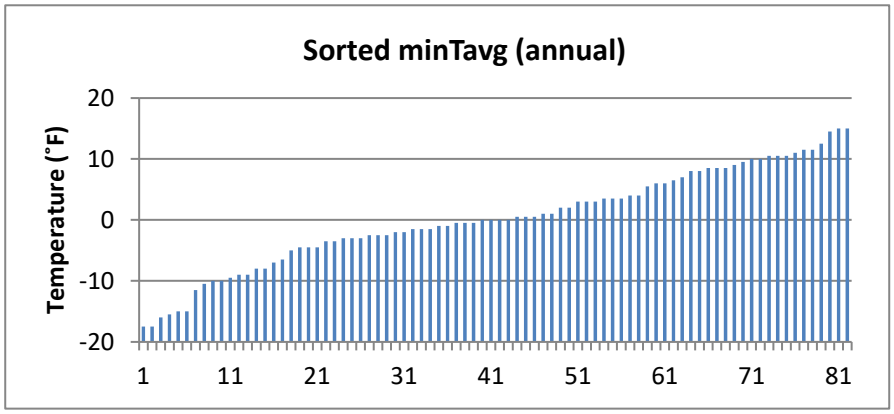


Station:	800 Pocatello		
Water Years (WY)	Starting:	1939	Ending: 2020

	Tavg (˚F)														minTavg
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual		Annual
Mean	47.9	35.2	26.1	24.0	29.2	37.3	45.6	54.2	62.4	71.0	69.3	59.4	46.9		0.2
Sx	3.1	3.6	4.5	5.9	5.3	3.7	2.9	2.8	2.8	2.3	2.2	2.7	1.4		8.0
Skew	-0.04	-0.33	-0.47	-0.42	-0.44	-0.53	0.14	0.18	0.58	-0.93	-0.32	-0.53	-0.10		-0.26
Max	55.3	42.4	34.5	36.2	38.6	44.2	52.4	61.4	69.6	75.1	73.5	65.6	50.3		15.0
Min	39.2	25.8	11.4	5.1	16.9	27.5	39.0	48.5	57.3	61.1	62.9	51.8	43.4		-17.5
n (years)	81	81	81	82	82	82	82	82	82	82	82	82	82		82







Station: 800 Pocatello

NORMAL DISTRIBUTION

Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	47.9	35.2	26.1	24.0	29.2	37.3	45.6	54.2	62.4	71.0	69.3	59.4	46.9	0.2
5	0.2	45.3	32.1	22.3	19.0	24.8	34.2	43.1	51.9	60.0	69.0	67.4	57.1	45.7	-6.5
10	0.1	44.0	30.6	20.3	16.4	22.4	32.5	41.8	50.7	58.8	68.0	66.5	55.9	45.1	-10.0
20	0.05	42.9	29.2	18.7	14.2	20.5	31.2	40.8	49.7	57.8	67.1	65.7	54.9	44.5	-12.9
50	0.02	41.6	27.8	16.9	11.8	18.3	29.7	39.6	48.5	56.7	66.2	64.8	53.8	44.0	-16.2
100	0.01	40.8	26.8	15.6	10.2	16.9	28.6	38.8	47.8	55.9	65.5	64.2	53.1	43.6	-18.4

Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	48.3	35.7	26.7	24.8	30.0	37.8	46.0	54.6	62.8	71.3	69.6	59.8	47.1	1.4
5	0.2	45.8	32.7	23.0	19.9	25.6	34.8	43.6	52.3	60.5	69.4	67.8	57.6	45.9	-5.2
10	0.1	44.5	31.2	21.1	17.5	23.4	33.2	42.4	51.2	59.3	68.4	66.9	56.4	45.3	-8.6
20	0.05	43.5	30.0	19.6	15.5	21.6	31.9	41.4	50.2	58.4	67.6	66.1	55.5	44.8	-11.3
50	0.02	42.3	28.6	17.9	13.2	19.6	30.5	40.3	49.2	57.3	66.7	65.3	54.5	44.3	-14.4
100	0.01	41.5	27.7	16.8	11.7	18.2	29.6	39.5	48.5	56.6	66.1	64.7	53.8	43.9	-16.4

Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	47.4	34.7	25.4	23.2	28.5	36.8	45.2	53.8	62.0	70.6	69.0	59.0	46.7	-0.9
5	0.2	44.8	31.5	21.5	18.0	23.8	33.5	42.6	51.4	59.5	68.6	67.0	56.7	45.4	-7.9
10	0.1	43.3	29.8	19.4	15.2	21.3	31.8	41.2	50.1	58.2	67.5	66.0	55.4	44.8	-11.7
20	0.05	42.1	28.4	17.6	12.8	19.3	30.3	40.1	49.0	57.1	66.6	65.2	54.3	44.2	-14.8
50	0.02	40.8	26.8	15.6	10.2	16.9	28.6	38.8	47.8	55.9	65.5	64.2	53.1	43.6	-18.4
100	0.01	39.8	25.7	14.3	8.4	15.3	27.5	37.9	46.9	55.1	64.8	63.5	52.3	43.2	-20.8

Station: 800 Pocatello

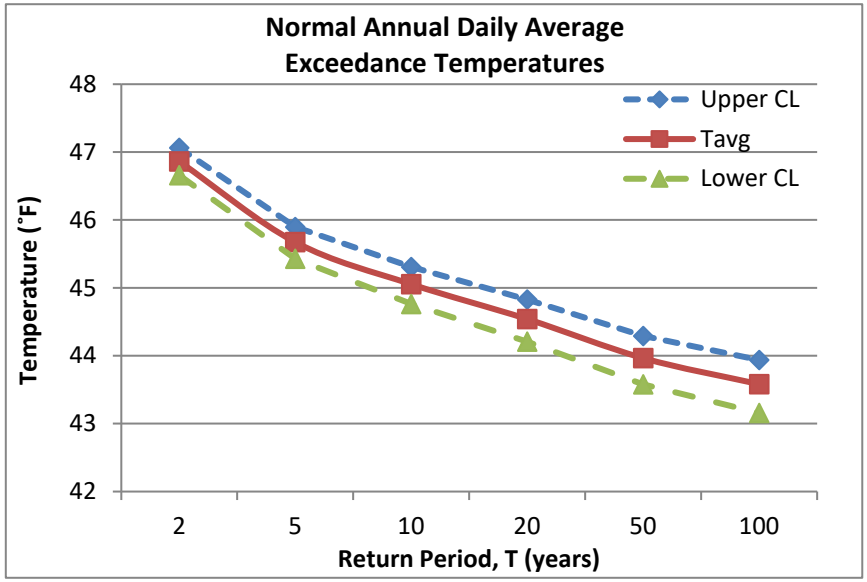
PIII DISTRIBUTION

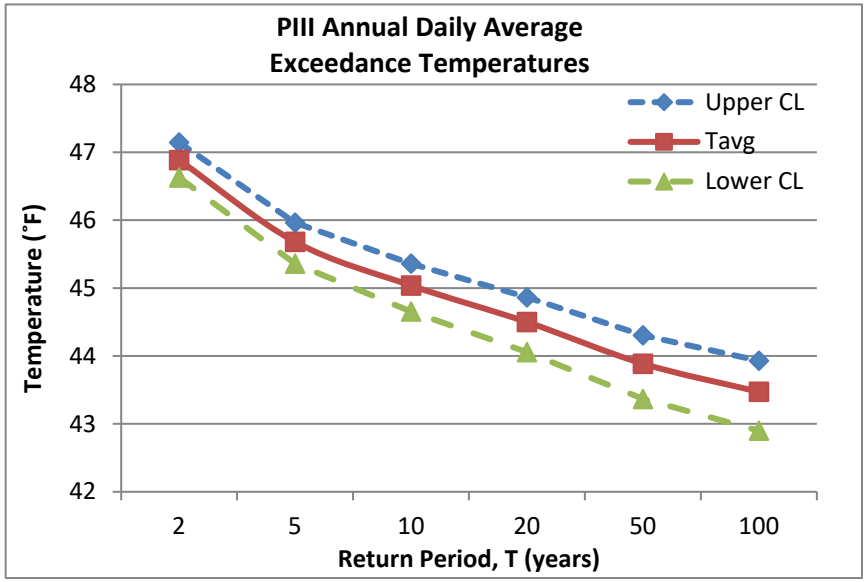
Exceedance Temperatures															
T	Exceed.	Tavg													minTavg
years	Prob. (P)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	47.9	35.4	26.4	24.4	29.6	37.6	45.5	54.2	62.1	71.3	69.4	59.7	46.9	0.6
5	0.2	45.3	32.2	22.4	19.2	24.9	34.3	43.1	51.9	60.0	69.2	67.5	57.2	45.7	-6.4
10	0.1	44.0	30.4	20.1	16.2	22.2	32.4	41.9	50.7	59.0	67.9	66.4	55.8	45.0	-10.2
20	0.05	42.8	28.9	18.1	13.6	19.9	30.7	40.9	49.8	58.3	66.6	65.5	54.6	44.5	-13.5
50	0.02	41.5	27.1	15.8	10.5	17.1	28.7	39.8	48.8	57.5	65.1	64.4	53.1	43.9	-17.3
100	0.01	40.7	25.9	14.1	8.4	15.2	27.2	39.1	48.1	57.1	64.0	63.7	52.0	43.5	-19.9

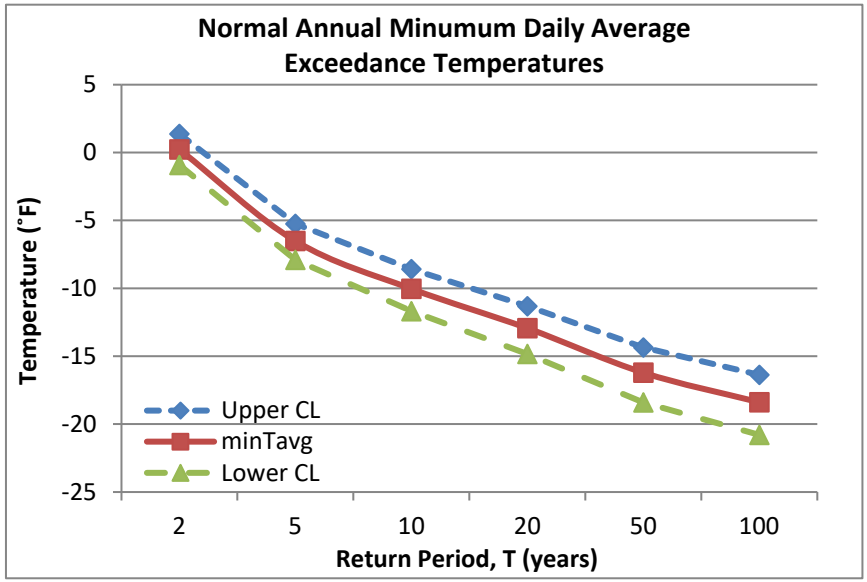
Upper Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	48.5	36.0	27.2	25.5	30.6	38.3	46.1	54.7	62.6	71.8	69.8	60.2	47.1	2.1
5	0.2	45.9	32.9	23.3	20.4	26.0	35.0	43.7	52.4	60.5	69.6	67.9	57.8	46.0	-4.8
10	0.1	44.7	31.3	21.2	17.6	23.5	33.2	42.5	51.4	59.6	68.4	66.9	56.5	45.4	-8.4
20	0.05	43.6	29.9	19.3	15.2	21.3	31.7	41.6	50.5	59.0	67.3	66.1	55.3	44.9	-11.4
50	0.02	42.4	28.3	17.2	12.4	18.8	29.8	40.6	49.6	58.3	65.9	65.1	53.9	44.3	-14.9
100	0.01	41.7	27.1	15.7	10.4	17.0	28.5	40.0	49.0	57.8	64.9	64.4	53.0	43.9	-17.2

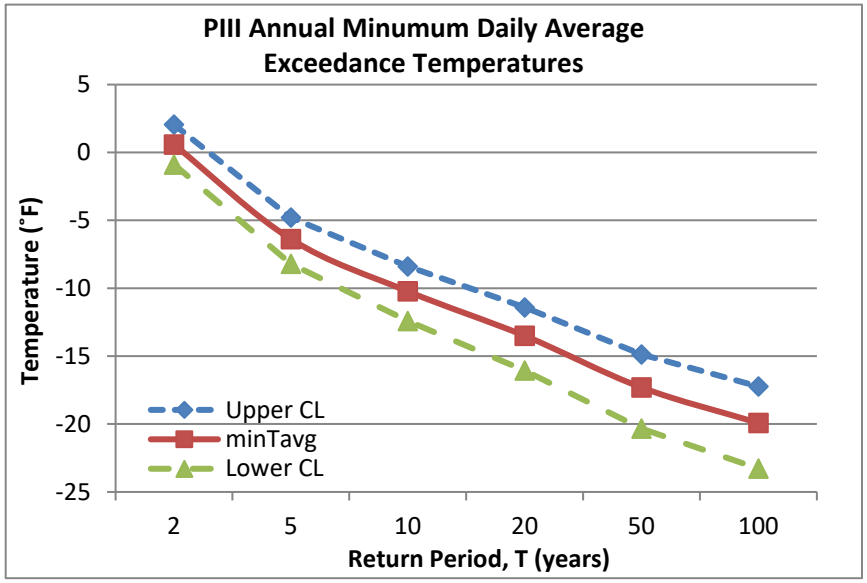
Lower Confidence Limit															
T	P	Tavg													minTavg
years	prob.	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	Annual
2	0.5	47.3	34.7	25.6	23.3	28.7	37.0	45.0	53.7	61.6	70.9	69.0	59.2	46.6	-0.9
5	0.2	44.6	31.4	21.4	17.8	23.7	33.5	42.4	51.2	59.3	68.7	67.0	56.6	45.4	-8.2
10	0.1	43.1	29.5	18.9	14.6	20.8	31.4	41.1	50.0	58.3	67.2	65.8	55.1	44.7	-12.4
20	0.05	41.9	27.8	16.7	11.7	18.2	29.5	40.0	49.0	57.5	65.8	64.8	53.7	44.1	-16.1
50	0.02	40.4	25.7	14.0	8.2	15.1	27.2	38.8	47.8	56.6	64.1	63.6	52.0	43.4	-20.3
100	0.01	39.4	24.4	12.1	5.8	12.9	25.6	37.9	47.1	56.1	62.9	62.7	50.8	42.9	-23.3

Station: 800 Pocatello









Appendix B

Analysis Details

This appendix presents information about the methods used to analyze the data in this report.

The T-year exceedance temperatures presented in this report are statistical estimates based on NORM and PIII probability distributions fitted using sets of sample observations. Exceedance temperatures were calculated using the Frequency Factor method applied to the Norm and PIII distributions (Chow *et al*., 1988).

At least two sources of uncertainty are involved in these T-year exceedance temperature estimates. One source is the selection of an appropriate probability distribution to represent the sample observations; a second source is associated with how well the random sample of observations collected represents the underlying population. The χ^2 (Chi-Squared) test is used to determine if either the NORM or PIII distribution is more appropriate than the other to represent the observations, and confidence intervals are calculated to provide a measure of uncertainty in the estimated exceedance temperatures relative to their unknown population values based on the fact that they are derived from a random sample of observations.

Selection of Distribution-χ^2 (Chi-Squared) test

Assuming the sample observations adequately represent the underlying population, selection of an unsuitable probability distribution will yield erroneous exceedance temperatures wherever the fitted distribution deviates from the trend of the sample observations. For example, application of the Normal distribution to observations with significant real skew will induce errors in the estimated exceedance temperatures. One way this may be assessed is by testing the "goodness of fit" of the NORM and PIII distributions to each set of sample observations using a χ^2 (Chi-Squared) test (Chow *et al*., 1988). The χ^2-test is a hypothesis test in which the null hypothesis, H_o, is that a proposed distribution together with its parameters fit the observations well. The alternative hypothesis, H_a, is that the distribution and/or the particular parameters are inadequate.

In the χ^2 test, the range of n sample observations is divided into k intervals, and the number of observations n_i occurring in each interval is compared with the theoretical number of observations expected within each interval based on the fitted distribution, given by $np(x_i)$. Here, $p(x_i)$ is the theoretical probability of the random variable with cumulative distribution function $F(x)$ falling within the ith interval bounded between x_i and x_{i-1}. That is, $p(x_i) = F(x_i) - F(x_{i-1})$ It essentially compares the number of observations occurring in each bin of a histogram of the

data, with the number of occurrences expected within the range of each histogram bin based on the fitted probability distribution. The squared differences of the observed minus expected number of occurrences in each interval are normalized by the expected number of occurrences and summed over all the intervals to give the test statistic χ^2_c

$$\chi_c^2 = \sum_{i=1}^{k} \frac{[n_i - np(x_i)]^2}{np(x_i)}$$

The sum χ^2_c is the test statistic which is compared with a χ^2 distribution limiting value. The null hypothesis is accepted if the test statistic, χ^2_c is lower than the χ^2 distribution limiting value.

A χ2 distribution is the distribution of the sum of squares of ν standard normal random variables, z. The number of degrees of freedom, ν, is given by ν=k-m-1, where k is the number of intervals, and m the number of parameters fitted for a particular distribution (m=2 for the Normal distribution, and m=3 for PIII). The effect of m is that the limiting value for the PIII distribution is smaller than that for the Normal distribution, so that the test is a little more stringent for PIII to account for the fact that PIII has three parameters which allows greater flexibility in the distribution to fit the observations. The $\chi^2_{\nu,1-\alpha}$ limiting value has cumulative probability 1- α, where α is the significance level. A typical value is α=0.05; it gives the likelihood of rejecting the null hypothesis when it is true. Tables of the $\chi^2_{\nu,1-\alpha}$ distribution function are available in many statistics texts (e.g., Benjamin and Cornell, 1970; Devore, 1987; Haan, 1977; Lapin, 1983; Pearson and Hartley, 1966).

Histograms are usually set up using uniformly sized increments of the variable for each interval so that the histogram shape is similar to the shape of the probability density function fitted to the data. However, for the χ^2 test, it is desirable to select the range of values for each interval such that each interval has the same number of expected occurrences of the random variable within it based on the fitted distribution (e.g., 20 intervals might be selected each with $1/20^{th}$ or 5% probability of occurrence), and the commonly recommended smallest number of expected occurrences in each interval is 5 (Benjamin and Cornell, 1970). For any fitted distribution other than a uniform distribution, this requires that the span or range of the values defining each interval will vary. In the analysis performed here, each dataset was divided into a number of intervals, k, sized so that the expected number of occurrences in each interval was at least 5, that is, k≤n/5. For example, with Caldwell there were n=116 years of data. The number of intervals was limited by k≤n/5=23. Thus, 23 intervals were used, each having probability p=1/k=0.0435 (4.35%).

The χ^2 test was applied to all the observations from each station, both on an annual basis for Tavg and minTavg, and on a monthly basis for Tavg. On a WY basis, both the NORM and PIII distributions passed the χ^2 test applied to Tavg and minTavg at each station, except for one

failure by the NORM distribution at Station 800 (Pocatello) for minTavg. Generally, the PIII distribution passed the χ^2 test as well as or by a greater margin than did the Normal distribution, especially when the observations contained significant skew. It is recommended to use the PIII distribution values: When the skew is significant, as it often is for minTavg, PIII likely provides more accurate results; when the skew is near zero, as commonly occurs with WY Tavg, the Normal and PIII return period values are not very different, so selection of PIII to be consistent induces no penalty and simplifies the selection process. Following this recommendation avoids the use of the one NORM failure with minTavg.

For the T_{avg} monthly data, both the Normal and PIII distributions passed the χ^2 test for most months at most stations. Across twelve months at the seven stations, there were 84 station-months tested (ie., 7 stations x 12months) for each distribution. For the Normal distribution, 83 station-months passed the χ^2 test, and 1 failed (December at Station 450, Boise). For the PIII distribution, 83 passed and 1 failed (July at Station 750, Idaho Falls). From a gas demand viewpoint, the PIII July failure is unimportant. Furthermore, since the recommendation is to use PIII, the NORM December failure at Station 450 also does not matter. The remaining five stations passed the χ^2 test for all station-months for both distributions.

Confidence Limits

The temperature data collected at each station constitute a random sample of the underlying populations of temperatures and these samples have been used to estimate the true frequency curves of the corresponding populations. If a random sample consisting of the same number of observations could be selected from a different period of time, they would probably produce a different estimate of the population frequency curve. How well the observations represent the underlying temperature population depends on the number of observations (sample size), its accuracy, and whether or not the underlying distribution is known.

Confidence limits provide a measure of the uncertainty of the exceedance temperature at a selected probability or return period. A range or confidence interval which brackets the true exceedance temperature with a specified probability or confidence level, β, can be calculated. That is, for a two-sided confidence interval with an upper and lower confidence limit, and confidence level β=0.9, there is a 90% probability that the limits span or encompass the true exceedance temperature. The significance level, α, corresponding to the confidence level is given by $\alpha=(1-\beta)/2$, or 0.05 for the selected β=0.9.

Approximate confidence limits for the T-year exceedance temperatures for the NORM and PIII distributions were calculated using the Interagency Advisory Committee on Water Data (1981) method, also described in Chow, et al. (1988). Confidence limit values are reported in Figures 1 and 2 in the main body of this report, and in Appendix A.

Intermountain Gas Company

2019 Conservation Potential Assessment

Integrated Resource Plan 2021 – 2026

Exhibit No. 4

Intermountain Gas Company

CONSERVATION POTENTIAL ASSESMENT FINAL REPORT

Submitted to: **INTERMOUNTAIN GAS COMPANY**

Prepared by: **DUNSKY ENERGY CONSULTING**

with Gas Technology Institute and Frontier Energy

Contact: Francois Boulanger, Senior Research Lead

July 2019

dunsky ENERGY CONSULTING

CONSERVATION POTENTIAL ASSESSMENT

FINAL REPORT

SUBMITTED TO:

Intermountain Gas Company

PREPARED BY:

DUNSKY ENERGY CONSULTING

with Gas Technology Institute and Frontier Energy

Contact:

Francois Boulanger

Senior Research Lead

Dunsky Energy Consulting

50 Ste-Catherine St. West, suite 420

Montreal, Canada H2X 3V4

T: 514 504 9030 ex t. 28

E: francois.boulanger@dunsky.com

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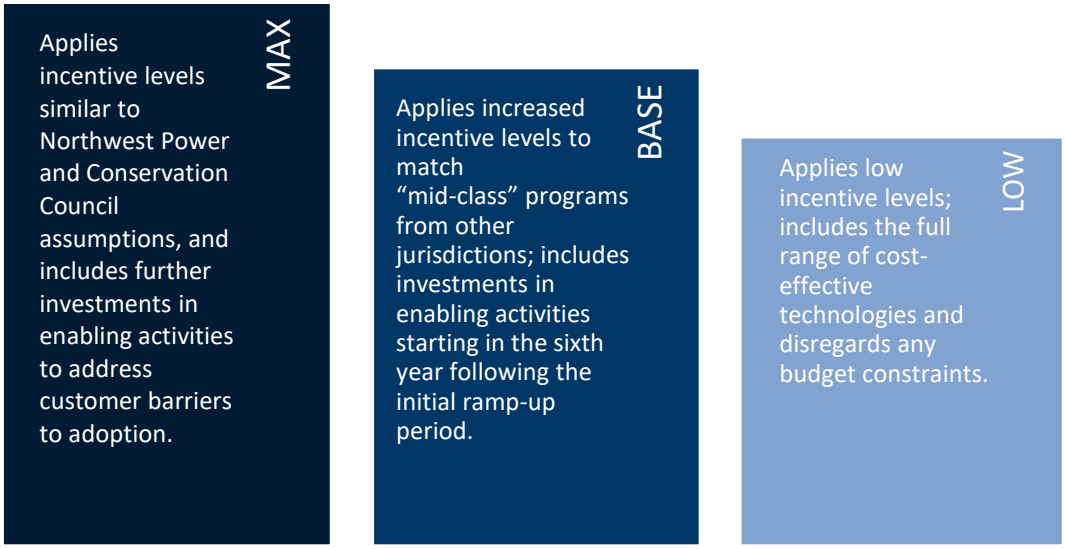
EXECUTIVE SUMMARY

Dunsky Energy Consulting, in collaboration with the Gas Technology Institute (GTI) and Frontier Energy, conducted a conservation potential assessment for the Intermountain Gas Company (IGC) over the 2020-2039 timeframe. Emphasis was placed on the initial 5-year period (2020-2024) The assessment is intended to support both short-term energy efficiency planning and long-term resource planning activities. To this end, the study quantifies energy and demand savings from gas efficiency measures as well as fuel switching from electric heating accounting considering the two climate zones within IGC service territory.

The study relies on interviews with key market actors and subject matter experts, as well as and the most up-to-date market data available for both the residential and commercial sectors. This research provided IGC-specific saturation and baseline efficiencies of energy-using equipment in homes and businesses across the service territory.

Three levels of savings potential were assessed: Technical, Economic, and Achievable. Within the Achievable potential, three scenarios were modeled to examine how Demand-Side Management (DSM) program design factors such as incentive levels and investments in enabling activities can impact potential savings. The achievable potential scenarios are defined at the Low, Base, and Maximum, as described in the figure below.

Figure 1. Alternative Scenario Assumptions for Achievable Potential Applied in this Study



CUMULATIVE SAVINGS POTENTIAL

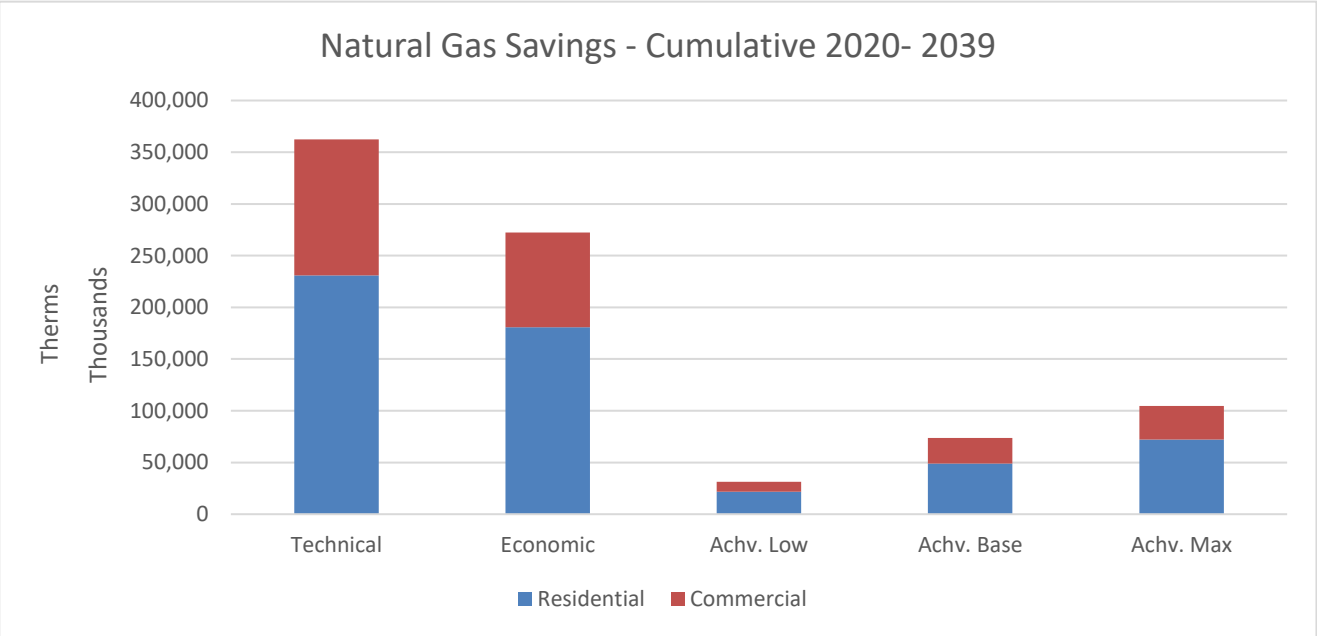
The achievable potential results are presented on both a Cumulative Savings and Program Savings basis, as described below:

- **Cumulative savings** capture a rolling sum of all new savings that will affect energy sales, excluding measure re-participation. Cumulative savings express the long-term energy consumption and demand impacts to inform resource planning for the energy generation and delivery systems.
- **Program savings** capture annual savings from incentivized measures and are not adjusted to remove the impacts of re-participation or mid-life baseline adjustment impacts. Program savings help to understand the expected annual DSM portfolio savings and budgets, to inform DSM program planning.

This section focuses on the cumulative savings results from each technology stream, while the next section provides further details on the program savings.

Below, the technical, economic, and achievable savings are presented side-by-side for natural gas savings (Figure 8).

Figure 2. Cumulative Natural Gas Potential (2020-2039)



From these results, the following observations can be made:

- **Economic Potential is 17% lower than the technical potential** under the least expensive scenario**.** Additional opportunities exist in IGC's service territory that are not considered cost-effective under the current cost-effectiveness framework. This is a consequence of two factors:

- Using the Utility Cost Test (UCT) to screen cost-effective measures with low incentives levels results in higher economic potential than other commonly used cost effectiveness tests, such as the Total Resources Cost (TRC) test or the Societal Cost Test (SCT).
- Measures that are currently not commercially viable, and not expected to become viable within the first 15 years, were excluded from the measure list.[1] This reduces the technical potential but has no impact on other types of potential.
- Under a UCT screen, the economic potential is dependent on the level of incentives provided (see text box, below, for further information).

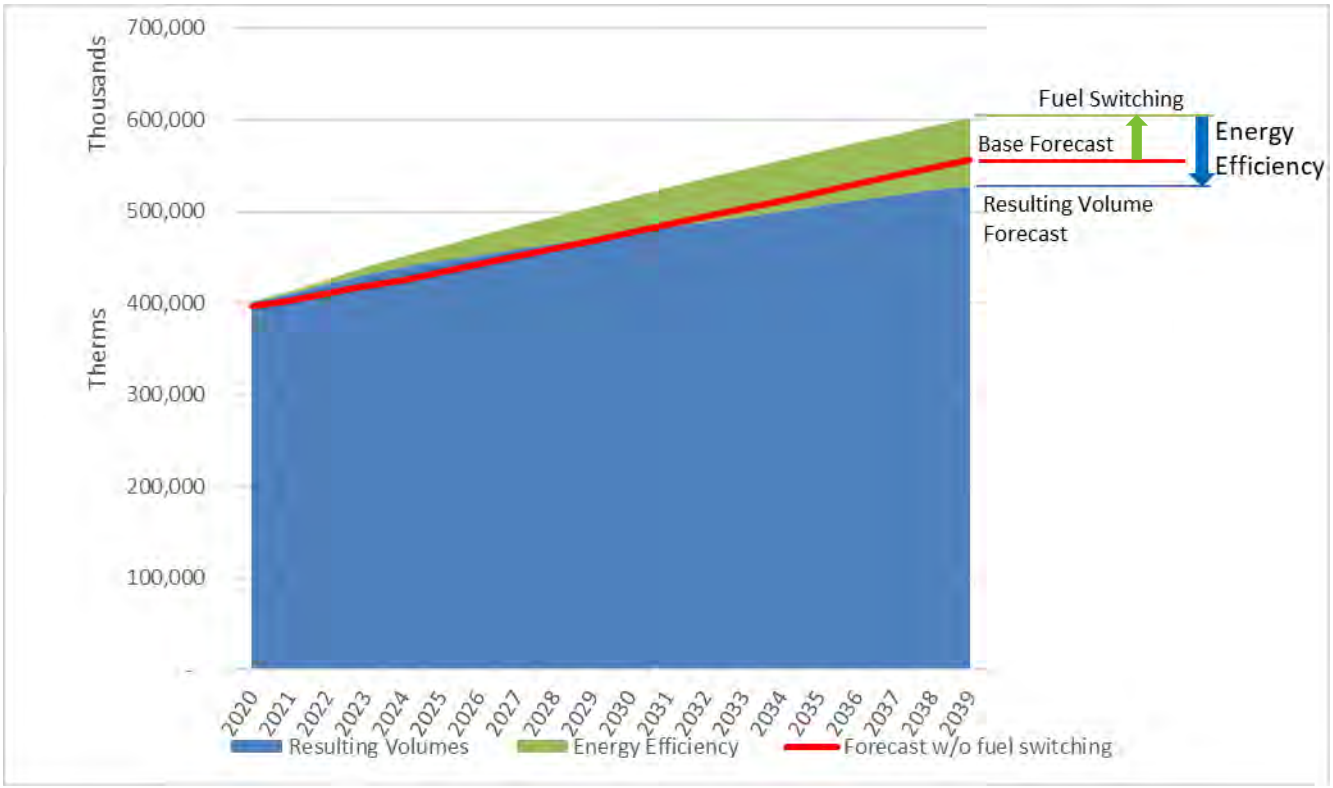
- **Achievable potential is significantly lower than economic potential** for all three scenarios, which is largely attributed to customer bills savings being relatively low compared to efficiency measure costs, and market barriers such as perceived higher cost of energy efficient equipment and uncertainty about the savings from efficiency improvements.
- **Investing in barrier reductions can increase achievable potential over and above raising incentives alone.** The combination of "best-in-class" incentive levels and barrier reduction strategies applied in the Max Scenario more than triple the incremental savings over the Low Scenario.

IMPACT ON GAS VOLUMES AND SALES

The graph below contextualizes potential savings from conservation for the Base Scenario, as well as load growth resulting from fuel-switching, through a comparison to the base volume forecast to demonstrate anticipated network-level effects (Figure 11).

[1] The commercial viability of measures is based on available research, technical and economic analysis, as well as professional judgment of the Dunsky team.

Figure 3. Cumulative Natural Gas Potential: Base Scenario Impact on Natural Gas Volumes



From these results, the following observations can be made:

- **Fuel-switching leads to growth in natural gas volumes and number of customers**, as some customers heated with electricity are expected to switch to natural gas furnaces. If no efficiency programs were implemented, gas consumption could be expected to rise by 50% by 2039 due to customer growth (new construction) and fuel-switching.

- **Efficiency savings has the potential to reduce natural gas consumption by 12% by 2039, after accounting for the impact of fuel-switching.** While fuel-switching could increase consumption by close to 46,000,000 therms in 2039, efficiency savings may generate 70,000,000 therms of savings. Close to 50% of these savings are attributable to HVAC measures.

EFFICIENCY PROGRAM SAVINGS POTENTIAL

The program savings provides further details related to the projected annual savings arising from IGC's portfolio of efficiency programs. These results below present the annual savings and budget for each program stream, and unlike the cumulative savings, they are not adjusted to remove re-participation impacts or mid-life baseline adjustments. Specifically, forecasted annual program savings and their corresponding budgets are presented for the Low and Base Scenarios in Figure 12; savings are also presented as a percent of forecasted natural gas volumes in Figure 13.

Figure 4. Annual Program Savings (Therms): Low and Base Scenarios, Savings and Budget

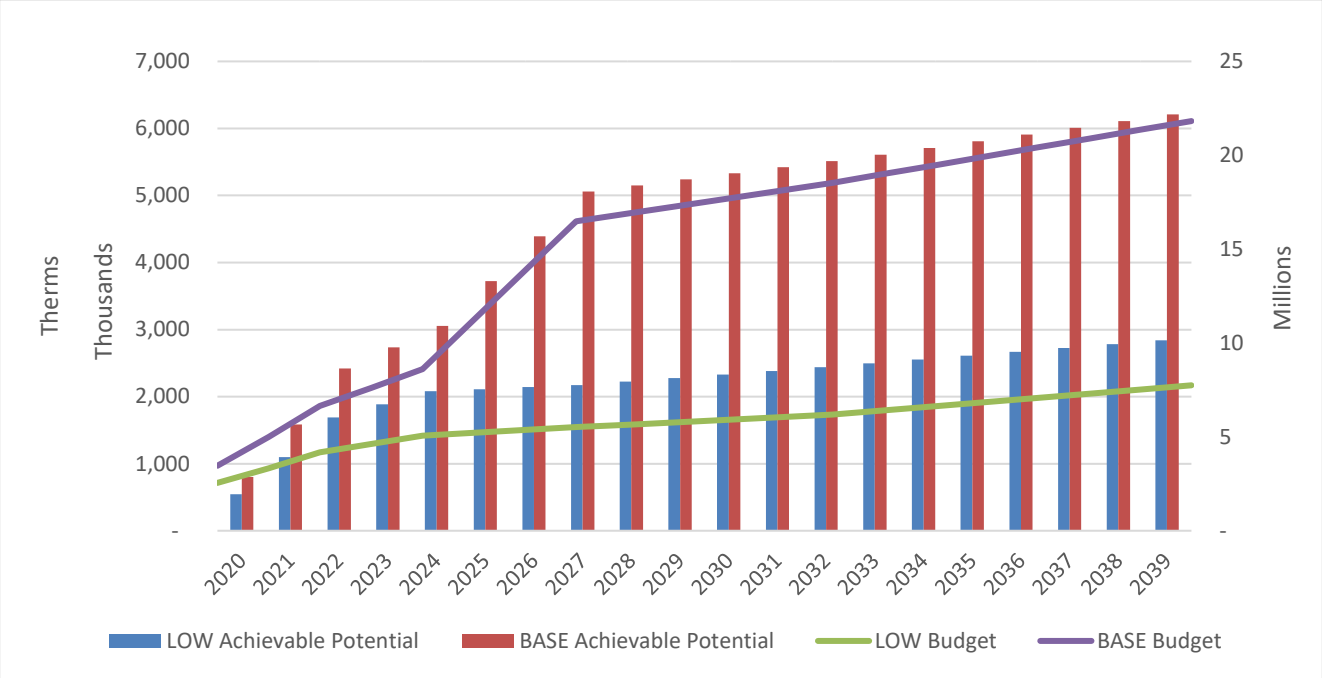
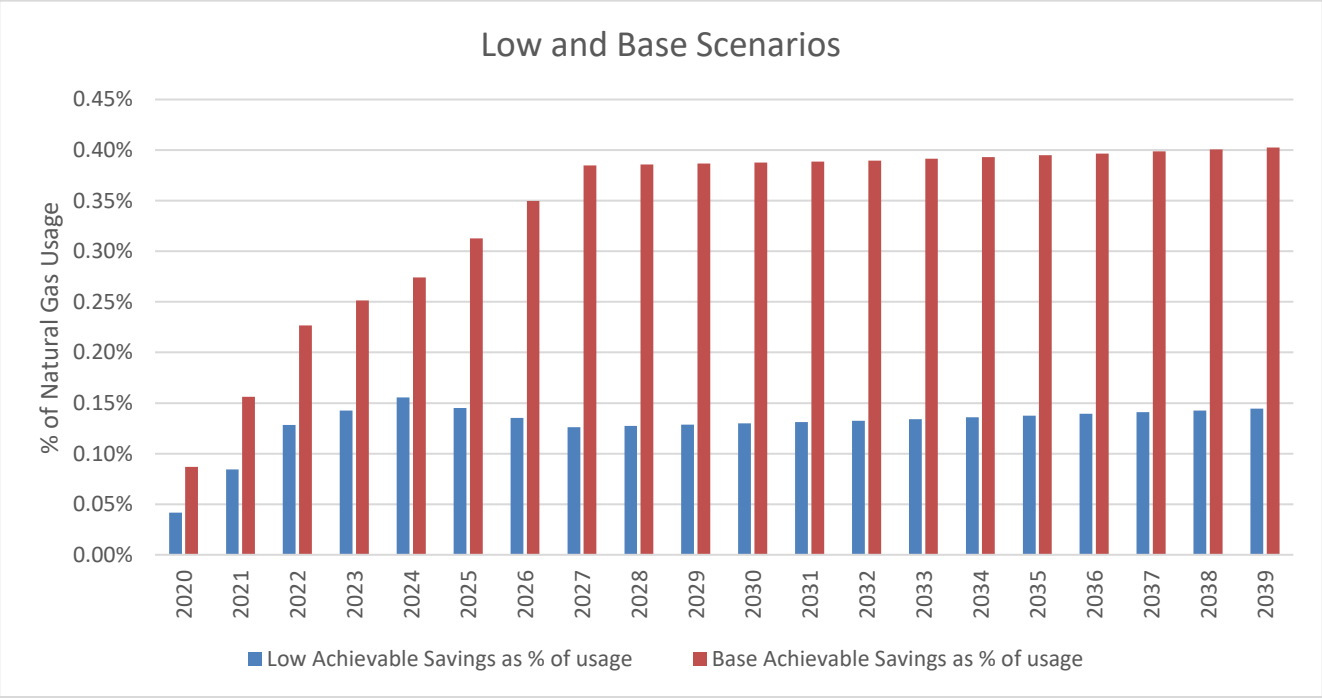


Figure 5. Savings as a Percent of Natural Gas Volumes: Low and Base Scenarios



Based on the above results, the following observations can be made:

- **Savings in both scenarios exhibit strong growth in the first five years, followed by a relatively modest growth for the rest of the study period.** The rapid growth in the first period of the study reflects the expansion of current initiatives in the residential sector and the introduction of new initiatives in the commercial sector. New initiatives and measures have been ramped up over a period of three to six years. The later period growth in savings represents a 2% year-over-year increase, following new construction activity and fuel switching to natural gas heating.

- **Savings under the Base Scenario are 40% higher than under the Low Scenario** in the first five years, with further increases in the remaining portion of the study period, notably due to forecasted investments towards a reduction of market barriers**.** Starting in the sixth year of the study, the Base Scenario's budget is more than double the Low Scenario budget (from an average ratio in the first five years of 1.5:1), as higher incentive levels increases the cost of all savings, not only the incremental portion. This increase in program savings is reflected in the cumulative savings, which shows a similar increase (43%) between the Low and Base Scenarios, due to very similar mixes of measures in each scenario. Despite the higher average cost per therm of savings in the Base Scenario, all of the savings are cost-effective from a UCT perspective.

- **Efficiency measures provide a stable flow of natural gas savings.** Gas savings as a percent of forecasted volumes remain close to 0.5% for the Low Scenario and around 1.0% for the Base Scenario, following the initial ramp-up period assumed in the analysis. Changes in codes and standards or technology do not disrupt natural gas savings potential in a significant manner; however, customer fuel-switching to natural gas heating has a significant impact on the overall gas consumption trend, counter-balancing efficiency savings and leading to an overall net increase in gas consumption.

- **Under the Base Scenario, conservation budgets need to increase significantly**, first as programs are introduced to the market and customers participate in a greater number of such programs, and second as participation further grow due to sustained strategies to address market barriers and further increase program participation.

1. INTRODUCTION

Dunsky Energy Consulting, in collaboration with its subcontractors, Gas Technology Institute (GTI) and Frontier Energy, conducted a conservation potential assessment for the Intermountain Gas Company (IGC) over the 2020-2039 timeframe. The assessment is intended to support both short-term energy efficiency planning and long-term resource planning activities. To this end, the study quantifies energy and demand savings from gas efficiency measures as well as fuel switching from electric heating accounting considering the two climate zones within IGC service territory. In addition to providing an assessment of IGC's combined conservation potential, this report also presents a high-level explanation of our study methods and modelling approach.

CONTEXT

IGC is the sole distributor of natural gas in Southern Idaho, with a service area that extends across the entire breadth of Southern Idaho—covering an area of 50,000 square miles with a population of approximately 1,260,000. During the fiscal year of 2017, IGC served an average of 349,000 customers in 74 communities through a system of over 12,000 miles of transmission, distribution, and service lines.

Beginning October 1, 2017, the Idaho Public Utilities Commission (PUC) granted IGC authority to offer an Energy Efficiency program to residential customers and to collect a per therm charge to fund the program. IGC's initial program offering includes rebates for seven measures in the residential sector—for furnaces, water heaters, fireplaces, as well as a whole home Energy Star verified homes. While this initial program focuses on the most cost-effective demand-side management (DSM) measures, the PUC advised all utilities to investigate all cost-effective DSM.

In response, IGC issued a Request for Proposals for an "Energy Efficiency (Conservation) Potential Assessment and Modeling Software Tool" in May 2018. This study is the final product resulting from that process. It is the first of its kind completed on behalf of IGC. IGC also intends to use this study to explore new commercial DSM programs in addition to its current residential programs.

POTENTIAL STUDY SCOPE

This study assesses the conservation potential of gas measures in both the residential and commercial sectors over the 2020-2039 timeframe. In addition to efficiency measures, it assesses the total energy impacts of replacing electric heating equipment with high-efficiency natural gas equipment where economically beneficial. The study considers the two climate zones within IGC service territory.

REPORT STRUCTURE

This report presents the methods, findings and the conservation potential study results from several perspectives, including cumulative savings by scenario, sector, segment, and end-use. A brief outline of the report structure is provided below.

Section 1 – Introduction

Section 2 – Methodology: this section provides an overview of the potential study model and energy-saving measures.

Section 3 – Cumulative Conservation Potential: This section outlines cumulative savings over the study period, presenting technical, economic, and achievable potential, as well as savings by sector and impacts on gas volumes.

Section 4 – Energy Efficiency Program Savings Potential: This section provides detailed results for program savings, including average annual savings and budgets and energy savings by sector and segment. Top-10 contributing measures are presented for each sector with corresponding savings in therms.

Section 5 – Programs and Scenario Analysis: This section provides a comparison of the three scenarios program savings, budgets, and cost-effectiveness.

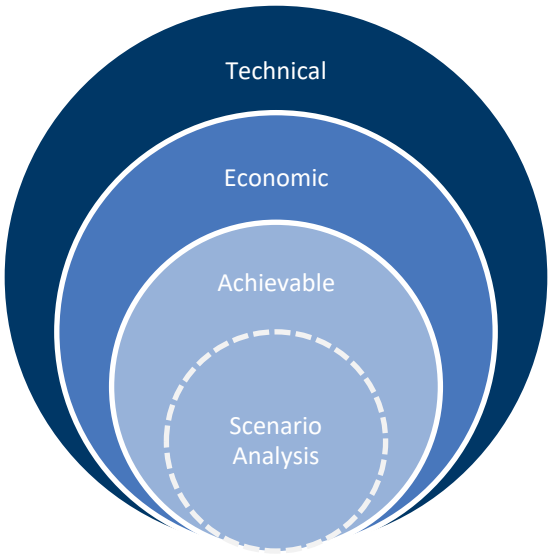
2. METHODOLOGY

The Dunsky Energy Efficiency Potential (DEEP) model employs a multi-step process to develop a bottom-up assessment of the Technical, Economic and Achievable Potentials.

Technical potential: The theoretical maximum conservation potential, ignoring constraints such as cost-effectiveness and market barriers.

Economic potential: The savings opportunities available should customers adopt all cost-effective savings, as established by screening measures against the Utility Cost Test (UCT).

Achievable potential: The savings from cost-effective opportunities once market barriers have been applied, resulting in an estimate of savings that can be achieved through demand-side management programs. Three achievable potential scenarios were modeled to examine how varying factors such as incentive levels and market barrier reductions impact uptake:



- **Low:** Applies low incentive levels (30% of incremental costs), with an unconstrained budget and a broad set of cost-effective measures.
- **Base:** Incentive levels are increased to cover 50% of the measure incremental cost.
- **Maximum (Max):** Incentives are set to 65% of incremental costs, a funding level similar to the assumptions behind the Northwest Power and Conservation Council ramp-rate used for electric conservation potential study in the northwest. This scenario also includes program investments towards reducing market barriers through innovative program delivery.

This remainder of this section provides a high-level overview of the Dunsky potential model. Additional information on the baseline research is provided in Appendix A, with the detailed modeling methodology provided in Appendix B.

POTENTIAL MODEL

The key steps conducted in the energy efficiency potential study were as follows:

- **Characterize Measures and their Applicable Markets** A comprehensive list of energy saving measures is characterized by applying jurisdiction-specific data and assumptions to each measure and market segment. Primary and secondary data are compiled (as available) to establish an assessment of the market baseline, detailing the current saturation of energy using equipment in each market sector and

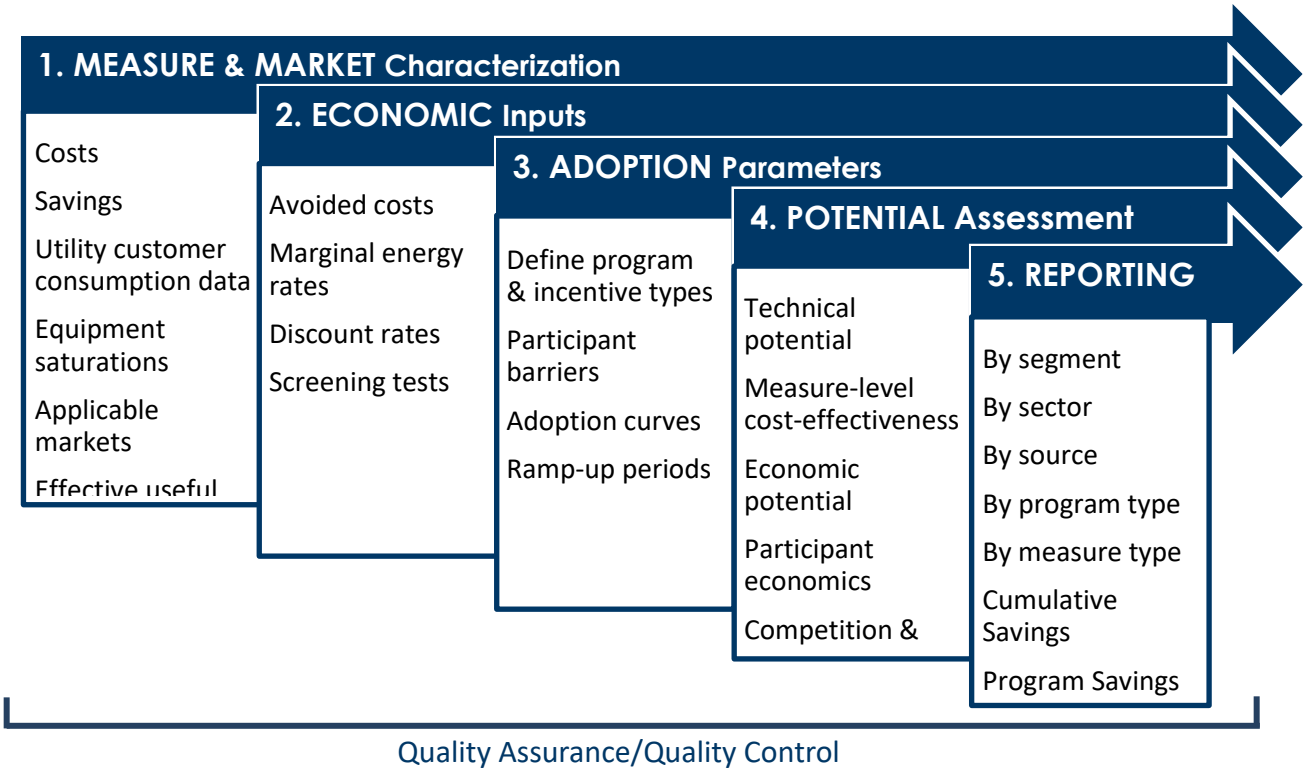
segment. Markets for energy measures are then assessed by combining utility customer counts with market growth factors, equipment turnover rates, and the market baseline results.

- **Economic Inputs:** The model harnesses key economic inputs to assess the measure cost-effectiveness and benefits. Utility avoided costs, customer discount rates, gas rates, and the utility cost of capital are captured and entered into the model in real dollars based on the study period start year[2]. The cost-effectiveness test that will be applied for economic screening is selected, as well as the other test that will be calculated to benchmark program performance.
- **Adoption Parameters:** For each measure-market combination we assign adoption curves based on customer barrier level assessments. Customer economics inputs such as measure savings, marginal rates and other secondary energy sources) are applied to calculate the participant cost test (PCT), the key driver of adoption levels in each adoption curve. Finally, program characterizations are entered into the model by defining the fixed and variable program costs, incentive levels, and enabling activity impacts on customer barriers.
- **Potential Assessment:** The model assesses the technical potential by combining the measure characterization with the market baseline inputs to determine the theoretical maximum amount of savings possible for each measure-market combination, in each year, over the study period. Measures-market combinations that pass the cost-effectiveness threshold are counted in the economic potential. Achievable potential scenarios are applied by calculating the customer economics, under various incentive program scenarios, and applying the adoption curves. At each level, the model applies chaining factors to account for interactive effects among measures and assigns the appropriate market portion in places where multiple measure may compete for the same market (e.g., Tier 1 and Tier 2 boilers).
- **Reporting:** Reporting is conducted in four steps, from the presentation of the initial Draft Results to the Final Report, each with an increasing level of precision and detail. Each report is vetted by the relevant parties, and all feedback is considered and incorporated into the model and reporting before proceeding to the next step.
- **Quality Assurance / Quality Control (QA/QC):** Throughout the modeling process, a rigorous QA/QC process is applied to ensure the inputs reflect the energy using equipment in the studied jurisdiction, and that the results provide an accurate assessment of the energy savings potential. The model is calibrated to past DSM program performance and benchmarked to the baseline sales projections and individual end-uses, to ensure that the technical, economic and market factors align with the local reality.

These steps are shown graphically in the figure below.

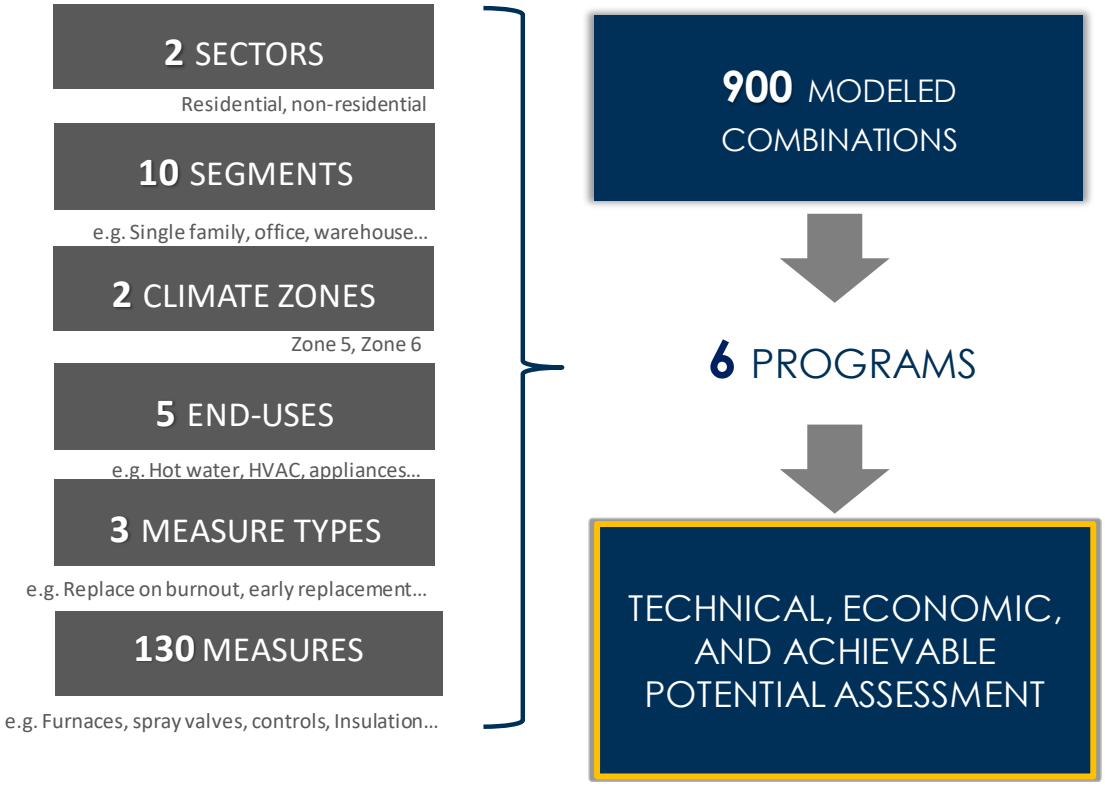
[2] The model conducts several different economic analyses, notably from the utility's perspective, used for cost-effectiveness tests and screening (based on the UCT), but also from the participants' perspective, to forecast adoption to individual measures.

Figure 6. Key Steps and Inputs in Study Methodology



The model conducts a bottom-up analysis of the conservation potential based on the existing building stock and equipment saturation. The assessment is developed at the measure level through individual characterizations which are then combined into measure types, end-uses, climate zones, programs, segments, and sectors, which allowed our Team to assess IGC's potential at a variety of levels, as highlighted in the figure below. In total, more than 900 individual combinations were modeled.

Figure 7. Key Inclusions of the Study



Please see Appendix A for the methodology used to conduct the market baseline research and market characterization, and Appendix B for the detailed modeling methodology.

ENERGY-SAVING MEASURES

MEASURE CHARACTERIZATION

Forty-two residential measures and 66 commercial measures were included in this study, as summarized in Table 1 and Table 2, respectively. All climate-dependent measures (i.e., those related to heating or cooling) were characterized separately for both climate zones. Please refer to Appendix C for details on measure characterization, and Appendix D for a climate zone map.

Table 1. Residential Measures Included in the IGC Potential Study Organized by End-Use

End-Use	Measure	End-Use	Measure
Appliance	Clothes Dryer ENERGY STAR	HVAC	Boiler post 2021 standard
Appliance	Clothes Washer ENERGY STAR	HVAC	Boiler Condensing
Behavioral	Home Energy Report	HVAC	Boiler Reset Control
Envelope	Air Sealing	HVAC	Boiler Tune Up
Envelope	Attic Insulation	HVAC	Combo Boiler (Heating/HE) post 2021 standard
Envelope	Basement Insulation	HVAC	Combo Boiler (Heating/HE)
Envelope	Efficient Windows	HVAC	Duct Insulation
Envelope	ENERGY STAR Doors	HVAC	Duct Sealing
Envelope	New Home Construction Built Green Home	HVAC	Fireplace < 40 kBtu/h
Envelope	New Home Construction ENERGY STAR Certified Home	HVAC	Fireplace >= 40 kBtu/h
Envelope	Wall Insulation	HVAC	Furnace
Hot Water	Faucet Aerator	HVAC	Furnace
Hot Water	Gas Heat Pump Water Heater	HVAC	Furnace Tune Up
Hot Water	Low Flow Shower Head	HVAC	Heat Recovery Ventilator ENERGY STAR
Hot Water	Pipe Wrap (Hot Water)	HVAC	Natural Gas Heat Pump
Hot Water	Storage Water Heater Energy Star	HVAC	Thermostat Programmable
Hot Water	Tankless Water Heater	HVAC	Thermostat Wi-Fi
Hot Water	Tankless Water Heater Energy Star	HVAC	Through-the-Wall Condensing Furnace/AC
Hot Water	Thermostatic Restrictor Shower Valve	Other	Pool Heater

Table 2. Commercial Measures Included in the IGC Potential Study Organized by End-Use

Measure Type	Measure	Measure Type	Measure
Appliance	Modulating Dryer Retrofit	HVAC	Energy Recovery Ventilator (ERV)
Behavioral	Building Operator Certification O&M Only	HVAC	Furnace Shut Off Damper, Space Heating
Behavioral	Building Operator Certification O&M plus Capital Upgrades	HVAC	High Efficiency Unit Heaters
Envelope	Attic/Roof Insulation Flat Roof	HVAC	Infrared Heater
Envelope	Building Shell Air Sealing	HVAC	Kitchen Demand Control Ventilation
Envelope	Green Roof	HVAC	Natural Gas AC and Heat Pump

Measure Type	Measure	Measure Type	Measure
Envelope	Wall Insulation	HVAC	Programmable Thermostat
Hot Water	Condensing Water Heater 2020	HVAC	Steam Boiler Stack Economizer
Hot Water	Hot Water Pipe Insulation	HVAC	Steam Trap HVAC
Hot Water	Indirect Water Heater	HVAC	Ventilation Hoods
Hot Water	Low Flow Faucet Aerator	HVAC	Water Boiler Stack Economizer
Hot Water	Low Flow Shower Head	Kitchen	Dishwasher
Hot Water	Natural Gas Engine Heat Pump Water Heater	Kitchen	Efficient Cookware
Hot Water	Pre-Rinse Spray Valve	Kitchen	Fryer
Hot Water	Recirculation Pump with Demand Controls	Kitchen	Griddle
Hot Water	Tankless Water Heater	Kitchen	Infrared Broiler
HVAC	Advanced Thermostat (Wi-Fi Thermostat)	Kitchen	Oven Combination
HVAC	Air Curtains	Kitchen	Oven Convection - ENERGY STAR
HVAC	Boiler < 300 kBtu/h - Tier I	Kitchen	Oven Convection - High Efficiency
HVAC	Boiler >= 300 kBtu/h	Kitchen	Oven
HVAC	Boiler < 300 kBtu/h- Tier 2	Kitchen	Steamer High Efficiency
HVAC	Boiler >= 300 kBtu/hPost 2024	Laundry	ENERGY STAR Clothes Dryer
HVAC	Boiler Blowdown Heat Recovery	Laundry	ENERGY STAR Clothes Washer
HVAC	Boiler Reset Control	New Construction	LEED Certified
HVAC	Boiler Shut Off Damper, Space Heating	Other	Biodigester
HVAC	Combo Condensing Boiler/Water Heater 90% AFUE	Other	Drain Water Heat Recovery (DWHR) Medium
HVAC	Combo Condensing Boiler/Water Heater 95% AFUE	Other	Duct Insulation and Sealing
HVAC	Condensing Make Up Air Unit with 2 Speed Motor	Other	Pool Cover
HVAC	Condensing RTU	Other	Pool Heater
HVAC	Condensing Unit Heater	Process	Process Boiler - Steam
HVAC	Demand Control Ventilation (DCV)	Process	Process Boiler - Water
HVAC	Destratification Fan - High Efficiency	Process	Process Boiler Tune Up
HVAC	Energy Management System (EMS)	Windows	Efficient Windows

MEASURE TYPES AND REPLACEMENT SCHEDULES

The model considers four types of efficiency measures:

- Replace on Burnout (ROB)
- Early Replacement (ER)
- Addition (ADD)
- New Construction/Installation (NEW)

Each of these measure types requires a different approach for determining the maximum yearly units available for potential calculations. Table 3 provides a guide as to how each measure type is defined and how the replacement or installation schedule is applied within the study to assess the phase-in potentials, year by year.

Table 3. Measure Types and Schedules Applied in the IGC Conservation Potential Assessment Model

Measure Type	Description	Market Base	Yearly Units Calculation
Replace on Burnout (ROB)	Existing units are replaced by efficient units after they fail *Example: Replacing failed boiler with a condensing boiler*	Current building code/equipment standard or industry standard practice	Market[a]/Effective Useful Life (EUL) *The EUL is set at a minimum of 3 years[b] to spread installations over the potential study period. Alternative EULs were used to calculate yearly units if baseline units have a different EUL than efficient units.*
Addition (ADD)	An EE measure is applied to existing equipment or structures *Example: Adding controls to existing lighting systems, adding insulation to existing buildings*	Existing units	The eligible market is distributed over the estimated useful life of the measure using an S-curve function.
New Construction/ Installation **(NEW)**	Measures not related to existing equipment *Example: New building built to LEED standards*	Building code, equipment standard or industry standard practice	Market *Market base is measure-specific and defined as new units per year*

[a] For the purpose of this table, market is defined as the number of units to which a specific measure applies.
[b] The Home Energy Report is a special case with an EUL of one year.

3. CUMULATIVE CONSERVATION POTENTIAL

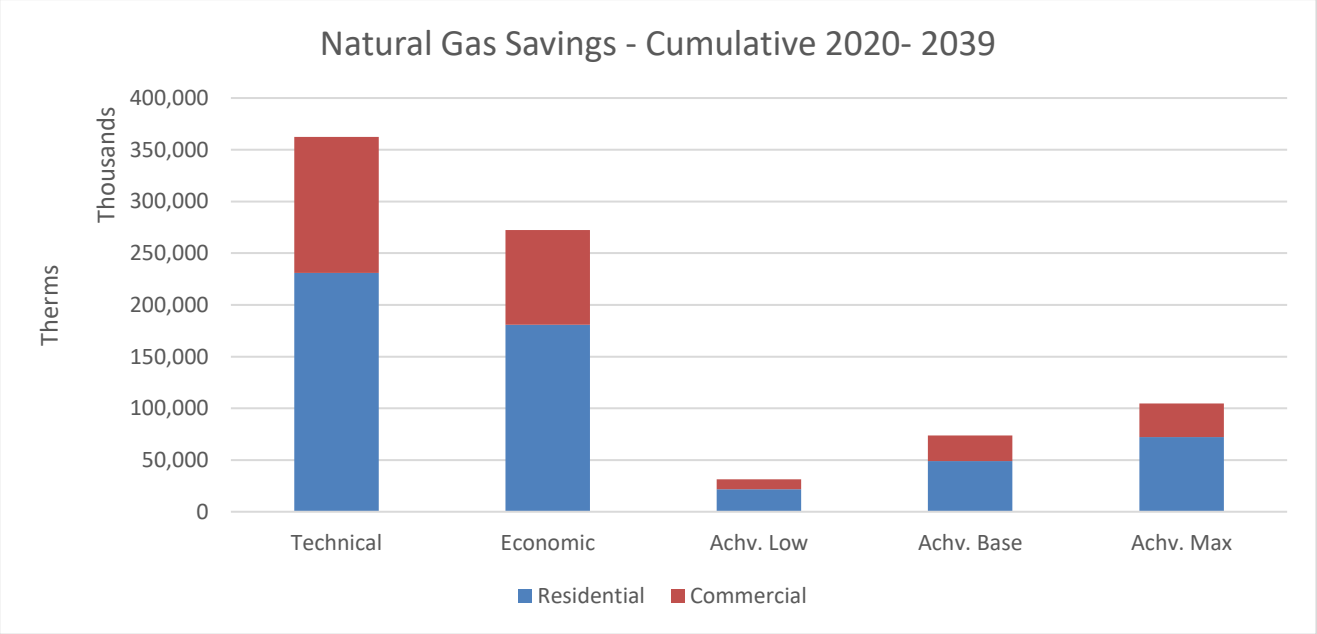
This section presents IGC's cumulative conservation potential. Specifically, it first presents technical, economic, and achievable potential; then savings by sector; and then impact on gas volumes. In reviewing the results and analysis, the reader should be aware of the following:

- **Achievable potential is presented under the Base Scenario** (i.e., incentive levels cover 50% of the measure incremental cost), except where otherwise specified.
- **All savings are expressed in at-the-meter terms**. The savings results have therefore not accounted for line-losses in the transportation and distribution network.
- **All financial metrics are expressed in 2020 dollars.** The applied analysis accounts for inflation and the time value of money, when assessing all benefit and cost assumptions, including program costs, measure costs, avoided energy costs, and marginal rates.

TECHNICAL, ECONOMIC, AND ACHIEVABLE CONSERVATION POTENTIAL

Below, technical, economic, and achievable savings are presented side-by-side for natural gas savings (Figure 8).

Figure 8. Cumulative Natural Gas Potential (2020-2039)



From these results, the following observations can be made:

- **Economic Potential is 17% lower than the technical potential** under the least expensive scenario**.** Additional opportunities exist in IGC's service territory that are not considered cost-effective under the current cost-effectiveness framework. This is a consequence of two factors:
    - Using the Utility Cost Test (UCT) to screen cost-effective measures with low incentives levels results in higher economic potential than other commonly used cost effectiveness tests, such as the Total Resources Cost (TRC) test or the Societal Cost Test (SCT).
    - Measures that are currently not commercially viable, and not expected to become viable within the first 15 years, were excluded from the measure list.[3] This reduces the technical potential but has no impact on other types of potential.
    - Under a UCT screen, the economic potential is dependent on the level of incentives provided (see text box, below, for further information).
- **Achievable potential is significantly lower than economic potential** for all three scenarios, which is largely attributed to customer bills savings being relatively low compared to efficiency measure costs, and market barriers such as perceived higher cost of energy efficient equipment and uncertainty about the savings from efficiency improvements.
- **Investing in barrier reductions can increase achievable potential over and above raising incentives alone.** The combination of "best-in-class" incentive levels and barrier reduction strategies applied in the Max Scenario more than triple the incremental savings over the Low Scenario.

[3] The commercial viability of measures is based on available research, technical and economic analysis, as well as professional judgment of the Dunsky team.

Impact of the Utility Cost Test (UCT) on Economic and Achievable Potential

Throughout this study, the UCT was used as the cost-effectiveness test to assess which measures are included in the economic potential. The UCT examines the costs and the benefits from the Utility's perspective. Benefits are derived from avoided costs attributed to energy savings, while costs are incentive payments made to program participants (program administration costs are included in the program-level UCT calculations). Screening the economic potential by the UTC, as approved by the Idaho PUC, has several implications on results worth noting:

- The maximum achievable potential under a UCT *is not* obtained with 100% incentive levels, but rather with a mix of various incentive levels that depend on each measure's benefits and incremental costs. Maximum achievable potential shown in this study is based on "best-in-class" incentive levels, as it was found to be very close to the theoretical maximum potential.
- Economic potential shown in this study is assessed using lower program incentive levels (Low Scenario), but using Base scenario's incentive levels reduces the economic potential by nearly 10%. Testing a scenario with 100% incentive levels for all programs, which is common practice in potential studies, was found to further reduce economic potential. As a result, increasing incentives beyond a certain level will actually *reduce* the achievable potential, as measures will be screened out (i.e., prevented from contributing to the achievable potential).

As the name suggests, measures screened using the UCT are, by definition, cost-effective to reduce the overall revenue requirements to deliver energy supply.

SAVINGS BY SECTOR

Cumulative gas savings by sector are shown in the figures below by sector.

Figure 9. Cumulative Conservation Potential: Base Scenario Savings by Sector and Time Period

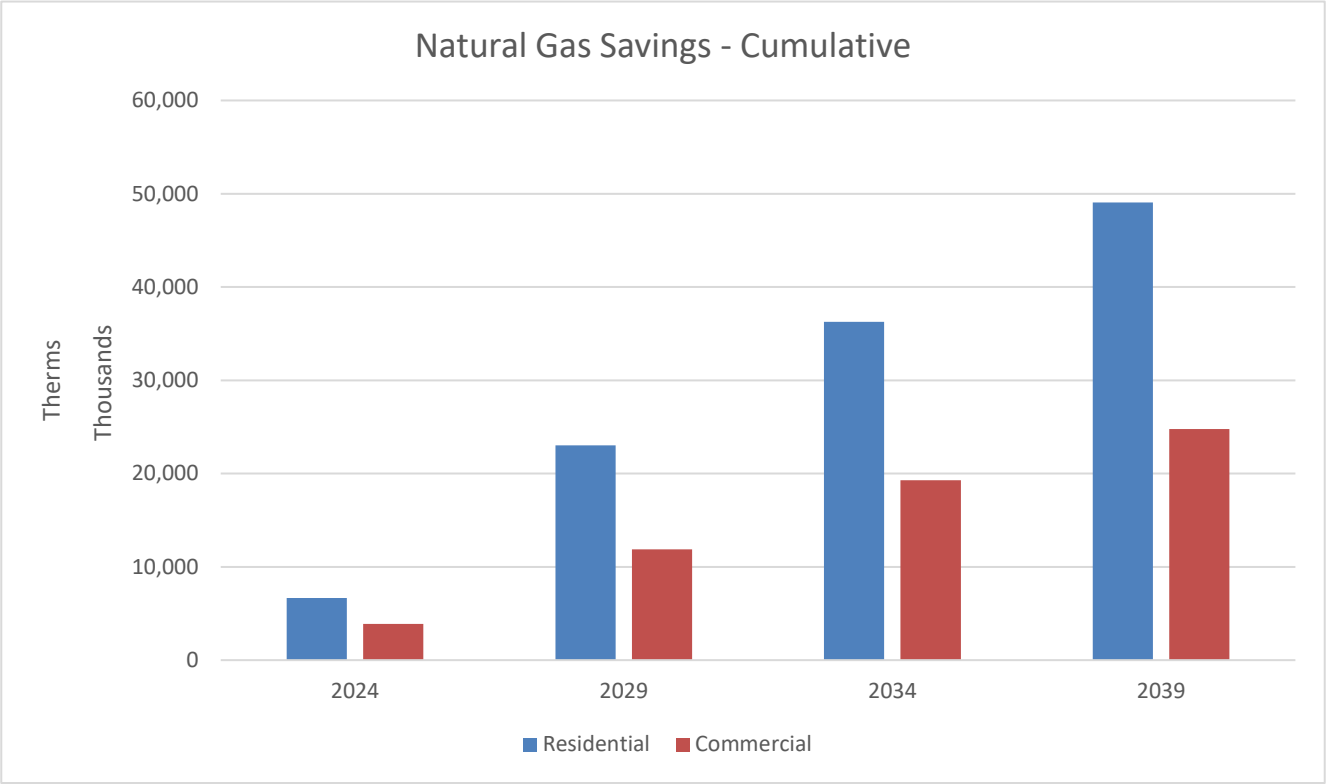
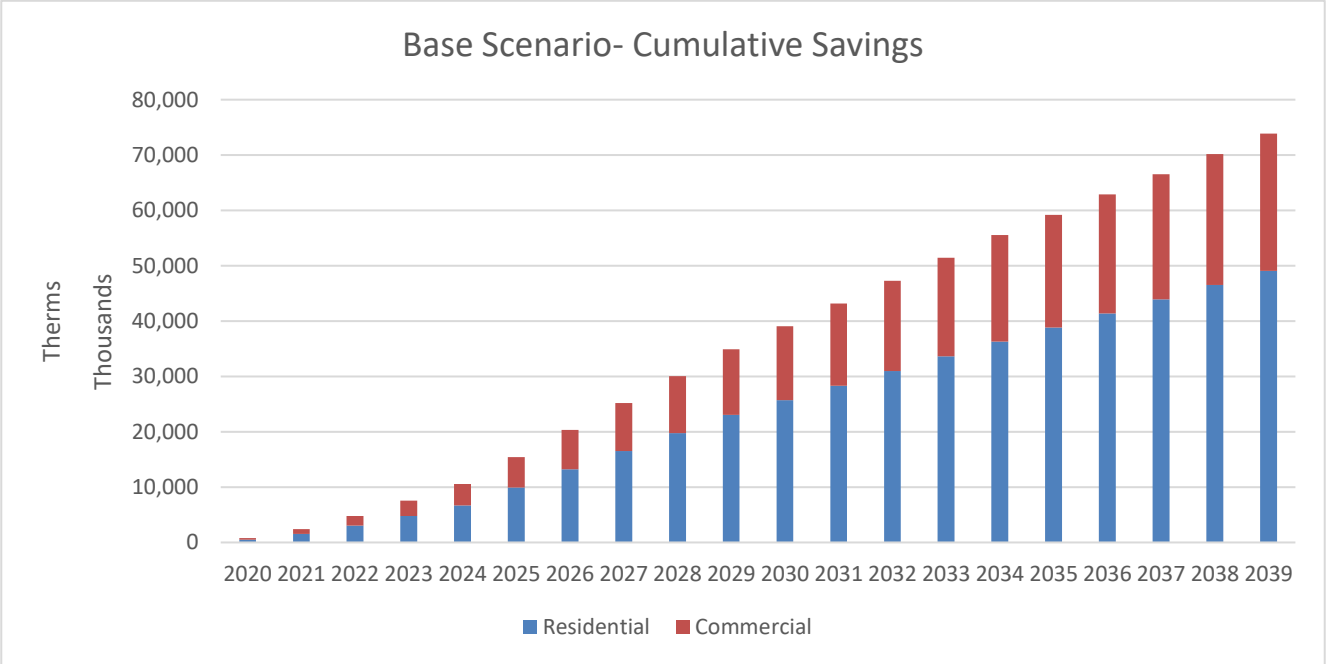


Figure 10. Cumulative Conservation Potential: Base Scenario Savings



Cumulative natural gas savings under the Base Scenario are presented by sector and year/period in Cumulative gas savings by sector are shown in the figures below by sector.

Figure 9 and Figure 10, above. The following remarks can be made on these results:

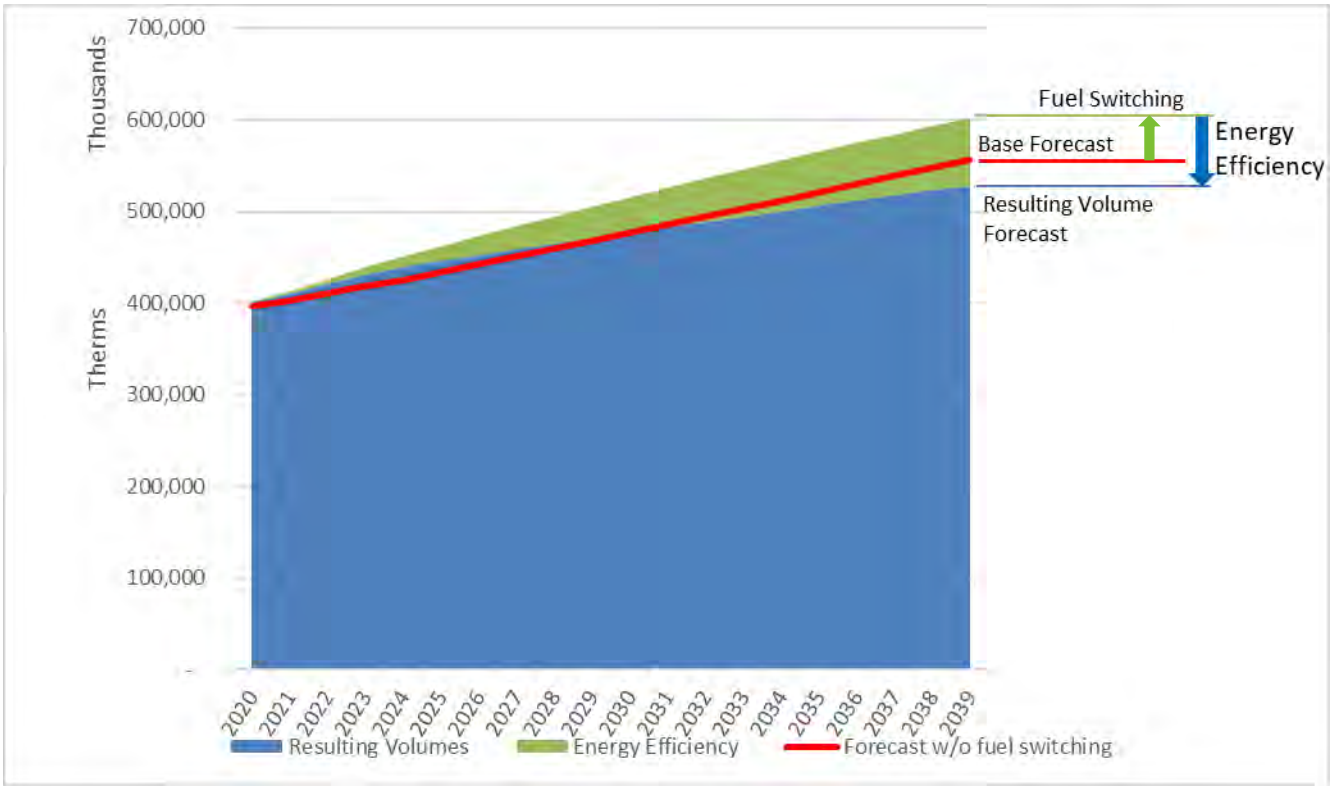
- **Cumulative savings grow at a slower pace during the initial years of the conservation potential study.** Considering that IGC's customer currently only have access to conservation programs for residential new construction and some residential space and water heating appliances, the study includes a ramp-up period for new measures and initiatives to take into consideration the time required to introduce new programs and measures to the market, and for programs to attain maturity and achieve their full market potential. This period varies based on the complexity involved with the design, launch of the program and effort to achieve maturity.

- **Savings are concentrated in the residential sectors.** By the end of the study period, nearly two-thirds (65%) of the natural gas savings are found in the residential sector.

IMPACT ON GAS VOLUMES

The graph below contextualizes potential savings from conservation for the Base Scenario, as well as load growth resulting from fuel-switching, through a comparison to the base volume forecast to demonstrate anticipated network-level effects (Figure 11).

Figure 11. Cumulative Natural Gas Potential: Base Scenario Impact on Natural Gas Volumes



From these results, the following observations can be made:

- **Fuel-switching leads to growth in natural gas volumes and number of customers**, as some customers heated with electricity are expected to switch to natural gas furnaces. If no efficiency programs were implemented, gas consumption could be expected to rise by 50% by 2039 due to customer growth (new construction) and fuel-switching.

- **Efficiency savings has the potential to reduce natural gas consumption by 12% by 2039, after accounting for the impact of fuel-switching.** While fuel-switching could increase consumption by close to 46,000,000 therms in 2039, efficiency savings may generate 70,000,000 therms of savings. Close to 50% of these savings are attributable to HVAC measures.

Fuel Switching Electric Heating Equipment to Natural Gas

The study assessed the impact of residential customers switching their electric heating equipment to high-efficiency natural gas equipment due to the considerable rate advantage of natural gas compared to electricity (given that electricity rates are more than five time higher than natural gas rates, on a per energy unit basis). This analysis did not include any direct incentives for participants and assumed there are no additional costs to homeowners for the natural gas connection.

The cumulative energy impacts from residential homes switching from electric heating to natural gas is presented in the table below.

	2024	2029	2034	2039
Natural Gas (therms)	25,666,955	37,479,176	44,774,316	46,129,317
Electricity (kWh)	-443,344,442	-647,376,552	-773,385,255	-796,790,145
Total Energy Impact (MMBtu)	**1,053,579**	**1,538,447**	**1,837,899**	**1,893,519**

The model assumed that only homeowners with an existing heat distribution system would be interested in fuel switching to natural gas. The baseline condition is an electric heat pump with standard efficiency level. The total energy impacts of fuel switching do not account for power plant generation efficiencies. Additional analysis would be required to include this in the total energy impacts reported.

4. ENERGY EFFICIENCY PROGRAM SAVINGS POTENTIAL

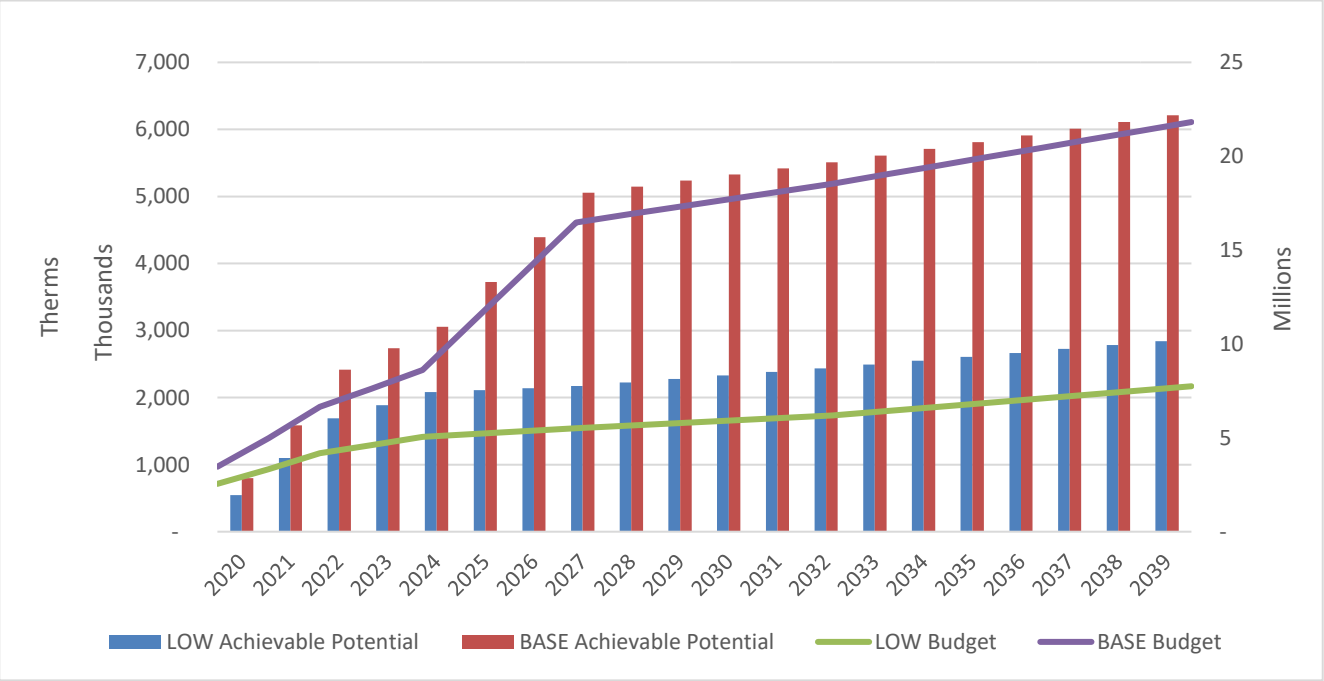
The following graphs and tables present the natural gas conservation potential within IGC's service territory. Program savings refer to the savings from measures that are incentivized through programs in a given year, including savings from measure re-participation.[4] They are most representative of annual program savings and can be used to inform DSM program planning to help meet savings objectives, and to determine which sectors, end-uses, and measures hold the most potential.

All results in this section are achievable potential savings under the Base Scenario, except for average annual savings and budgets results below, which include the Low Scenario to allow for comparison of high-level savings and budgets.

AVERAGE ANNUAL SAVINGS AND BUDGETS

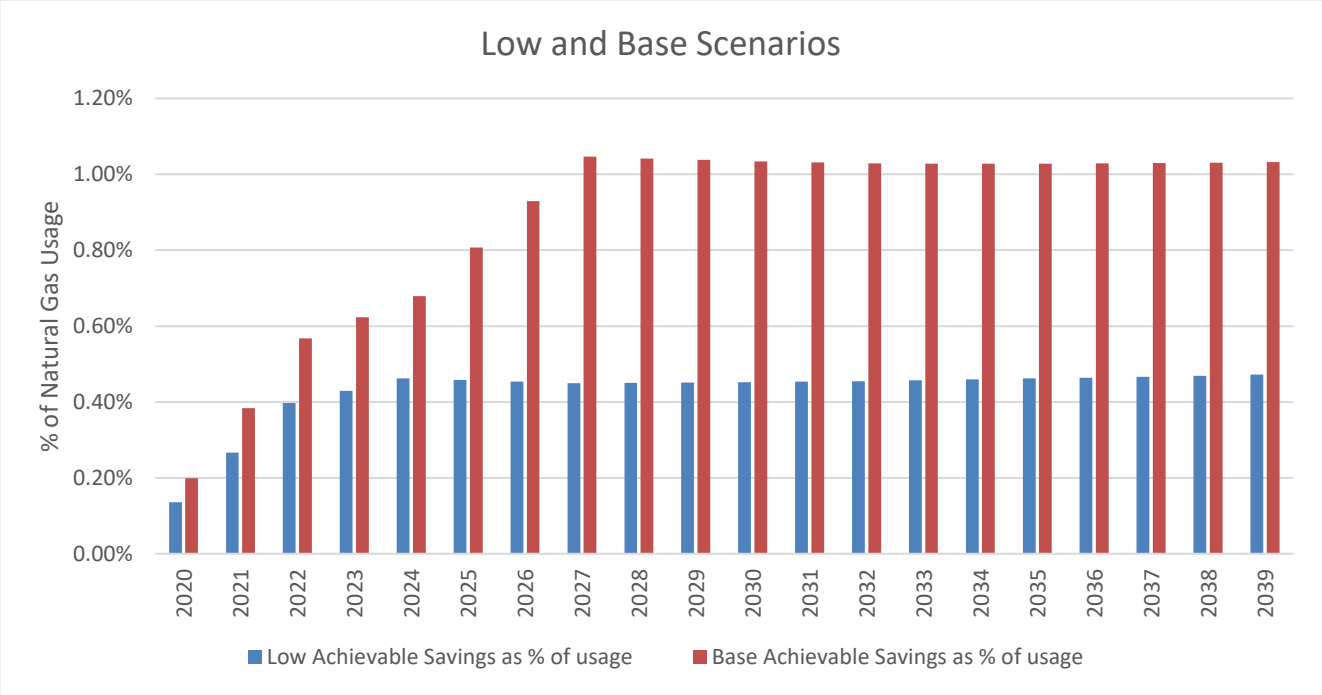
Forecasted annual program savings and their corresponding budgets are presented for the Low and Base Scenarios below (Figure 12). Savings are also presented as a percent of forecasted natural gas volumes (Figure 13).

Figure 12. Annual Program Savings (Therms): Low and Base Scenarios, Savings and Budget



[4] Measure *re-participation* refers to the renewal of past years savings having reached the end of their useful life, but would require new incentives to maintain the savings previously achieved.

Figure 13. Savings as a Percent of Natural Gas Volumes: Low and Base Scenarios



Based on the above results, the following observations can be made:

- **Savings in both scenarios exhibit strong growth in the first five years, followed by a relatively modest growth for the rest of the study period.** The rapid growth in the first period of the study reflects the expansion of current initiatives in the residential sector and the introduction of new initiatives in the commercial sector. New initiatives and measures have been ramped up over a period of three to six years. The later period growth in savings represents a 2% year-over-year increase, following new construction activity and fuel switching to natural gas heating.

- **Savings under the Base Scenario are 40% higher than under the Low Scenario** in the first five years, with further increases in the remaining portion of the study period, notably due to forecasted investments towards a reduction of market barriers**.** Starting in the sixth year of the study, the Base Scenario's budget is more than double the Low Scenario budget (from an average ratio in the first five years of 1.5:1), as higher incentive levels increases the cost of all savings, not only the incremental portion. This increase in program savings is reflected in the cumulative savings, which shows a similar increase (43%) between the Low and Base Scenarios, due to very similar mixes of measures in each scenario. Despite the higher average cost per therm of savings in the Base Scenario, all of the savings are cost-effective from a UCT perspective.

- **Efficiency measures provide a stable flow of natural gas savings.** Gas savings as a percent of forecasted volumes remain close to 0.5% for the Low Scenario and around 1.0% for the Base Scenario, following the initial ramp-up period assumed in the analysis. Changes in codes and standards or technology do not disrupt natural gas savings potential in a significant manner; however, customer fuel-switching to

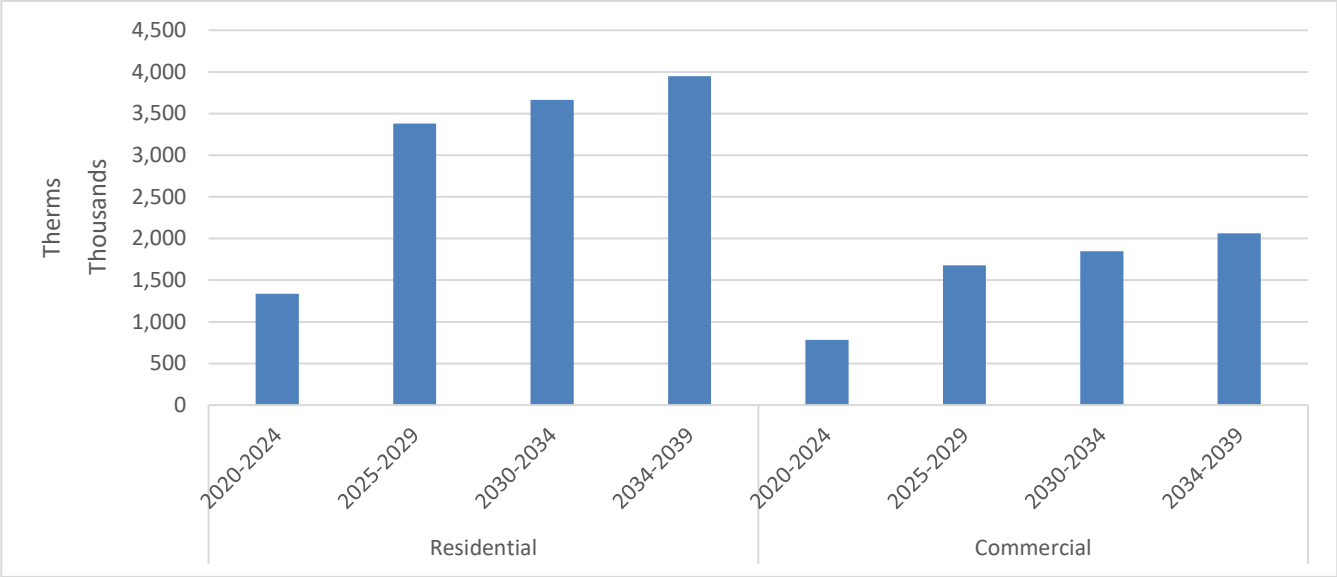
natural gas heating has a significant impact on the overall gas consumption trend, counter-balancing efficiency savings and leading to an overall net increase in gas consumption.

- **Under the Base Scenario, conservation budgets need to increase significantly**, first as programs are introduced to the market and customers participate in a greater number of such programs, and second as participation further grow due to sustained strategies to address market barriers and further increase program participation.

ENERGY SAVINGS BY SECTOR AND SEGMENT

The distribution of combustible savings by fuel type and sector are presented below for years five, 10, and 15 of the study.

Figure 14. Annual Program Conservation Potential (Therms): Base Savings by Sector and Time Period



Based on the above results, the following observations can be made:

- **New initiatives in the residential and commercial sectors are required to achieve the mid- and long-term conservation potential.** There is significant growth in the residential and commercial sectors due to the ramp-up period of new initiatives in the initial years of the study. The residential energy savings could grow by a factor of 150% between the first and second five-year periods, while the commercial energy savings could grow by 115% during the same timeframe.
- **The achievement of the forecasted savings trajectory is contingent on the successful introduction of those new initiatives**. Both internal and external factors may have significant impacts on the trajectory of achieved savings.

The average annual savings by segment are presented below for the first five years (Figure 15) and the next 15 years (Figure 16). Residential segments are shown in yellow, and commercial segments are shown in blue.

Figure 15. Natural Gas Achievable Savings by Segment (Therms): Base Scenario, Annual Average (2020-2024)

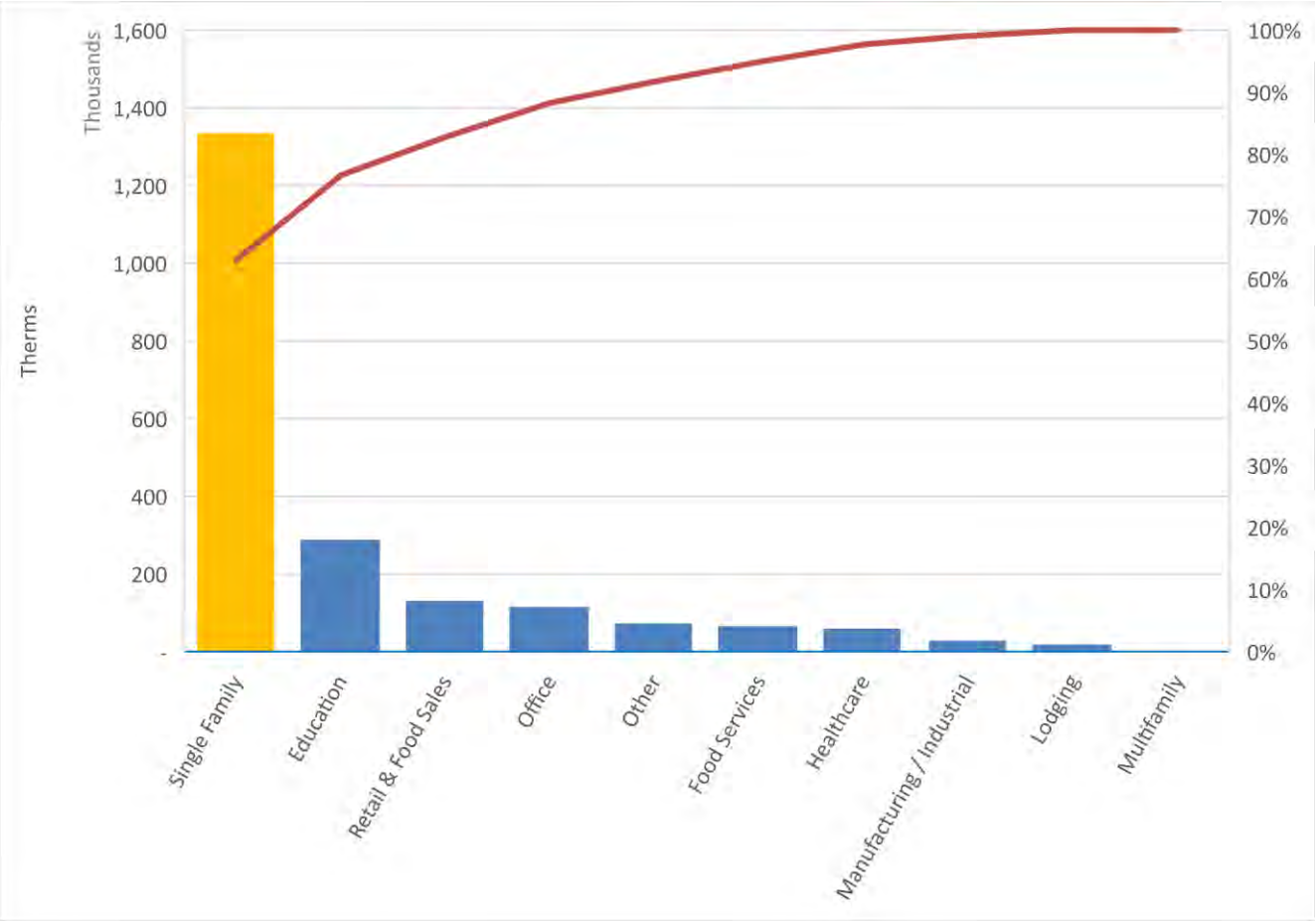
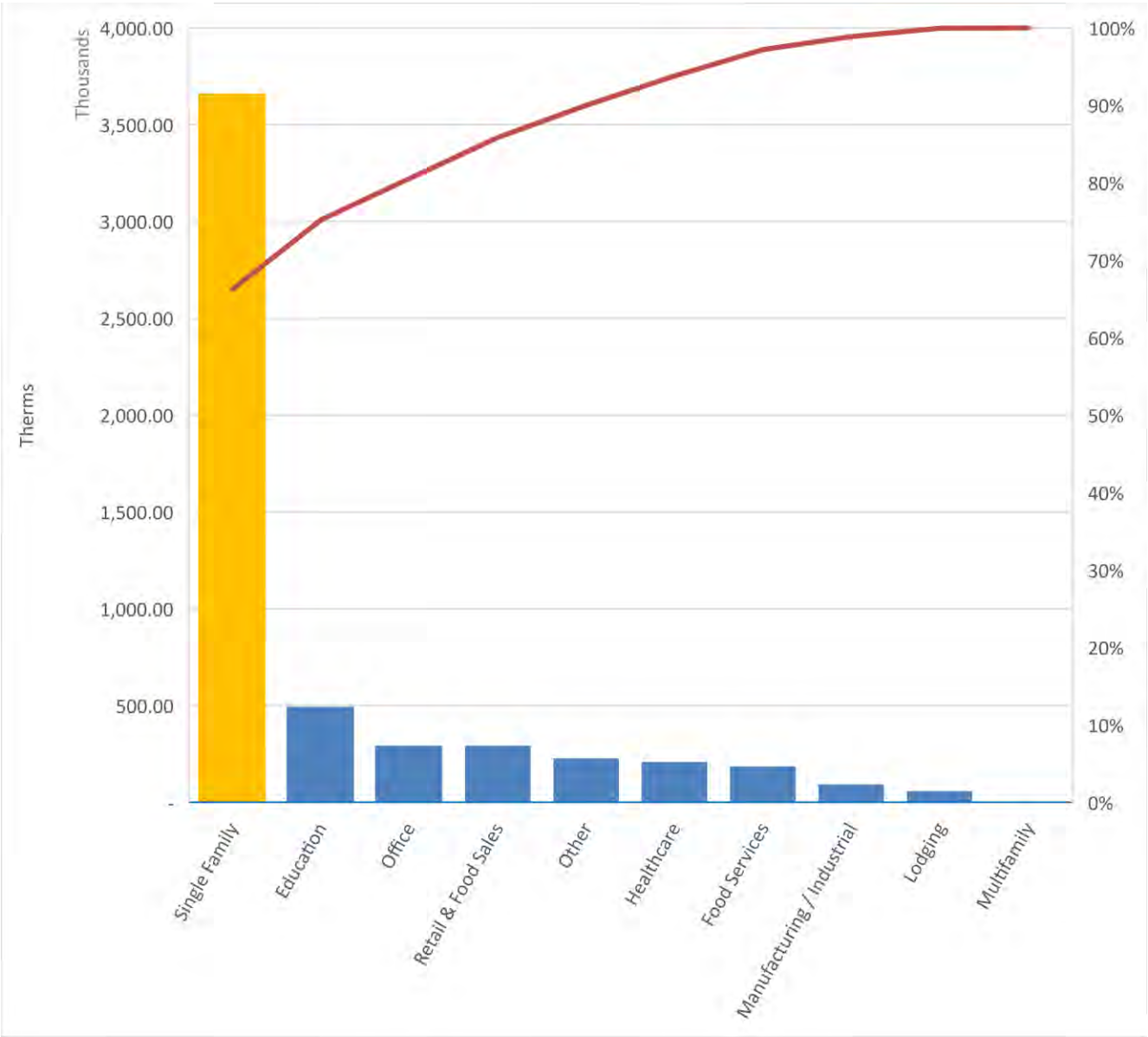


Figure 16. Natural Gas Achievable Savings by Segment (Therms): Base Scenario, Annual Average (2025-2039)



- **Single Family is the segment with the greatest savings potential.** Savings in this segment account for 90% of the total potential. The Single Family segment offers significant savings potential for all end-uses, notably HVAC control (connected thermostats), insulation, and water savings fixtures.

- **In the commercial sector, the Education segment has the greatest savings potential,** closely followed by Office and Retail & Food Sales**.** High-efficiency boilers provide the majority (44%) of savings in these segments.

END-USE BREAKDOWN AND TOP SAVINGS MEASURES

This section presents a breakdown of savings opportunities by end-use and lists the top measures for both the residential and commercial sectors. Both the end-use breakdown and the summary of top measures are

quantified using averages of annual program savings for the first 5-year and the last 15-year periods. Lifetime savings are also presented for the top measures and by end-use to provide information about the persistence of savings.

RESIDENTIAL SECTOR

Table 4 below presents the top measure categories ranked by average annual savings. The lifetime savings are also provided to provide an indication on the persistence of savings by measure.

Table 4. Residential Top 10 Measures: Base Scenario, 2020-2024 and 2025-2039

2020-2024			2025-2039		
Measure	**Average Annual Savings ('000 Therms)**	**Lifetime Savings ('000 Therms)**	**Measure**	**Average Annual Savings ('000 Therms)**	**Lifetime Savings ('000 Therms)**
Thermostats	458	3,667	Insulation	7,853	179,421
Insulation	332	7,499	Thermostats	3,989	31,913
Low Flow Shower Head	248	2,480	Low Flow Shower Head	1,824	18,237
Faucet Aerators	78	782	Duct Insulation	1,298	32,442
New Construction	76	2,167	New Construction	1,150	31,455
Duct Insulation	68	1,697	Faucet Aerators	663	6,625
Thermostatic Restrictor Shower Valve	32	320	Thermostatic Restrictor Shower Valve	658	6,578
Insulated Door	20	493	Air Sealing	270	4,044
Boilers	15	376	Insulated Door	139	3,479
Fireplace	3	70	Boilers	114	2,853

A breakdown of residential savings by end-use is presented below for the first five years (Figure 17, left) and the next 15 years (Figure 17, right) of the study. Savings shown are averaged annual program savings over the time period. Figure 18 presents lifetime savings by end-use for the same time periods.

Figure 17. Residential Average Annual Savings by End-Use (Therms): Base Scenario, 2020-2024 (left) and 2020-2039 (right)

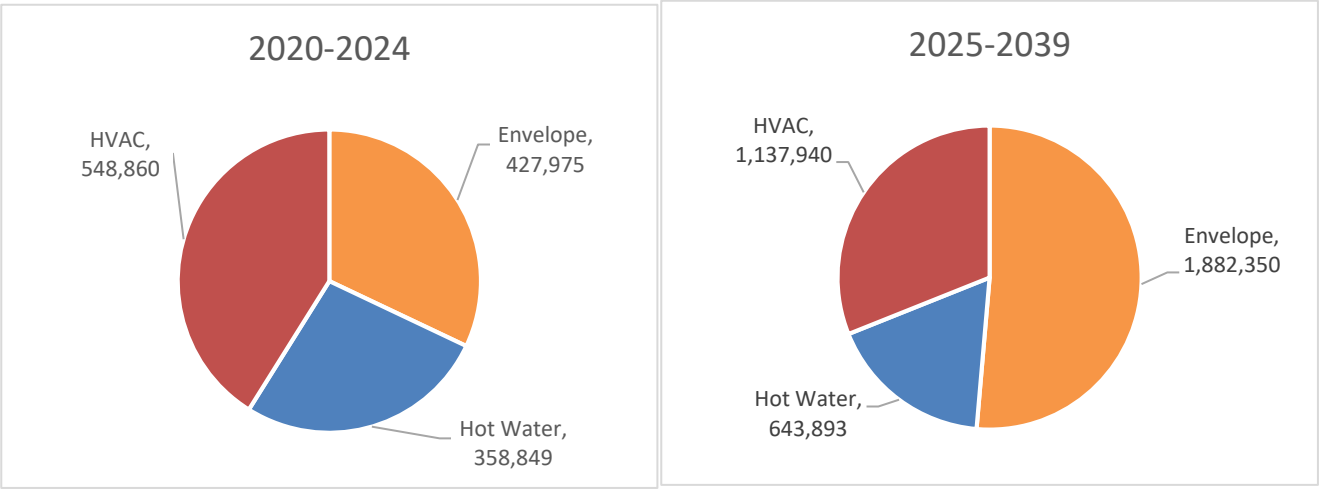
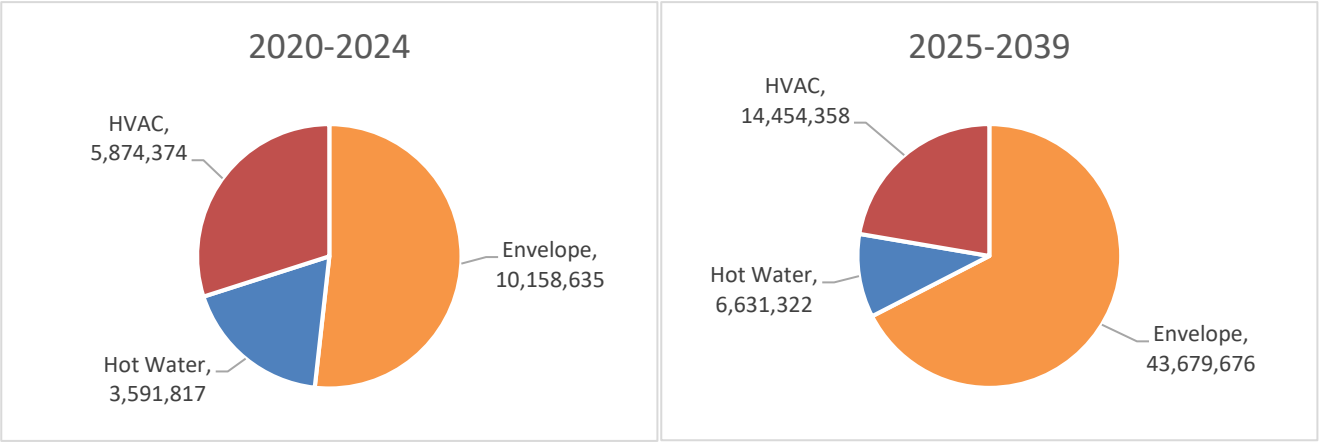


Figure 18. Residential Average Lifetime Savings by End-Use (Therms): Base Scenario, 2020-2024 (left) and 2025-2039 (right)



Based on the above results, the following observations can be made:

- **Envelope measures offer by far the most potential savings.** Envelope improvements can provide 51% of annual savings and 67% of lifetime savings. Insulation, new construction and air sealing are the top three measures in both the short and long-term, and provide the highest annual and lifetime savings, suggesting that they should be the priority for conservation programs.

- **HVAC measures represent the second largest potential savings.** Connected thermostats, duct insulation and efficient boilers generate the majority of savings associated with the HVAC end-use. As noted above, while these measures offer significant savings and are often the easiest retrofit opportunity, they are a second priority when pursuing substantial long-term savings in IGC's service territory.

- **Hot water measures can also generate significant savings**, contributing an estimated 18% of savings in the first five years, mostly through efficient water fixtures, such as shower head and faucet aerators. We note that under the Base Scenario, none of the water heater measures are cost-effective, although they represent an interesting technical opportunity. Lower incentives could be provided for these measures to generate additional savings.

Residential Furnace – Proposed DOE Standard

In 2015, the U.S. Department of Energy (DOE) issued a Notice of Proposed Rulemaking to increase the Residential Furnaces standard from the Annual Fuel Utilization Efficiency (AFUE) of 80% to 92%. This standard was originally expected to come into effect in 2021. The DOE however did not proceed to issue a final rule with regards to a new efficiency standard, and there are proceedings underway which could prevent the DOE from going ahead with the original proposed standard. While the base scenario assumes that new furnaces available on the market will meet the standard proposed in 2015 starting in 2021, additional analysis was conducted to assess the impact on the conservation potential study if the proposed standard is delayed until 2028.

Assuming that the baseline performance of residential furnaces remains at 80% would lead to additional average annual savings of 125,474 Therms during the 2020-2024 period, and would require an average annual budget increase of $930,000.

COMMERCIAL SECTOR

Table 5 below presents the top measures ranked by average annual savings. The lifetime savings are also provided, the ranking of which is largely consistent with the annual savings; a result of the fact that most measures have similarly long EULs.

Table 5. Commercial Top 10 Measures: Base Scenario, 2020-2024 and 2025-2039

2020-2024			2025-2039		
Measure	Average Annual Savings ('000 Therms)	Lifetime Savings ('000 Therms)	Measure	Average Annual Savings ('000 Therms)	Lifetime Savings ('000 Therms)
Boilers	246	6,146	Demand Control Ventilation	214	10,715
Demand Control Ventilation	86	858	Attic/Roof Insulation	201	34,152
Boiler Reset Control	57	861	Energy Recovery Ventilator (ERV)	186	13,013
Fryer	50	598	Boilers	148	18,473

2020-2024			2025-2039		
Energy Recovery Ventilator (ERV)	49	680	Efficient Cookware	108	1,621
Attic/Roof Insulation	45	1,533	Boiler Reset Control	106	7,942
Low Flow Faucet Aerator	26	260	High Efficiency Unit Heaters	79	4,769
Kitchen Demand Control Ventilation	20	296	Natural Gas Engine Heat Pump Water Heater	78	3,922
Efficient Cookware	19	56	Fryer	72	4,303
High Efficiency Unit Heaters	17	198	Water Boiler Stack Economizer	65	4,879

Commercial gas savings are broken down by end-use and are presented below for the first five years (left) and last 15 years (right) of the study. Figure 19 presents an average of annual program savings by end-use while Figure 20 presents lifetime savings by end-use.

Figure 19. Commercial Average Annual Savings by End-Use (Therms): Base Scenario, 2020-2024 (left) and 2025-2039 (right)

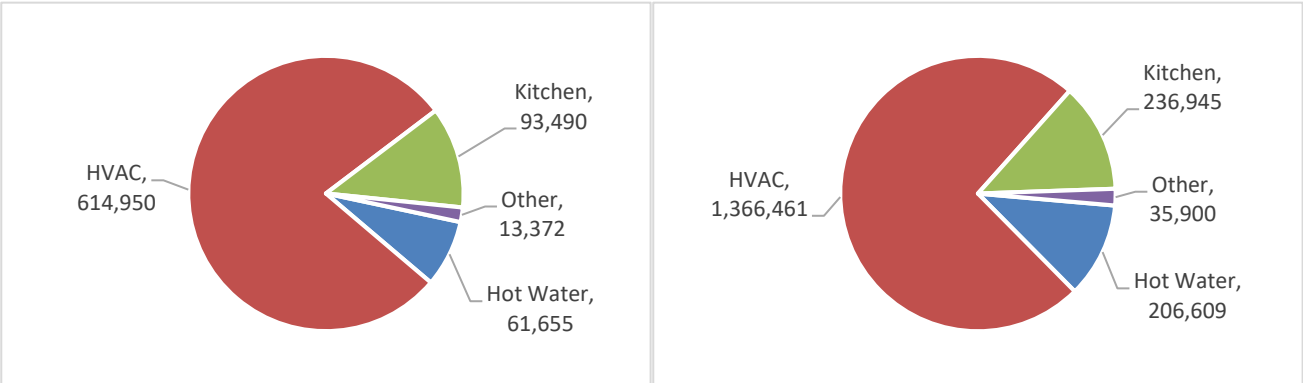
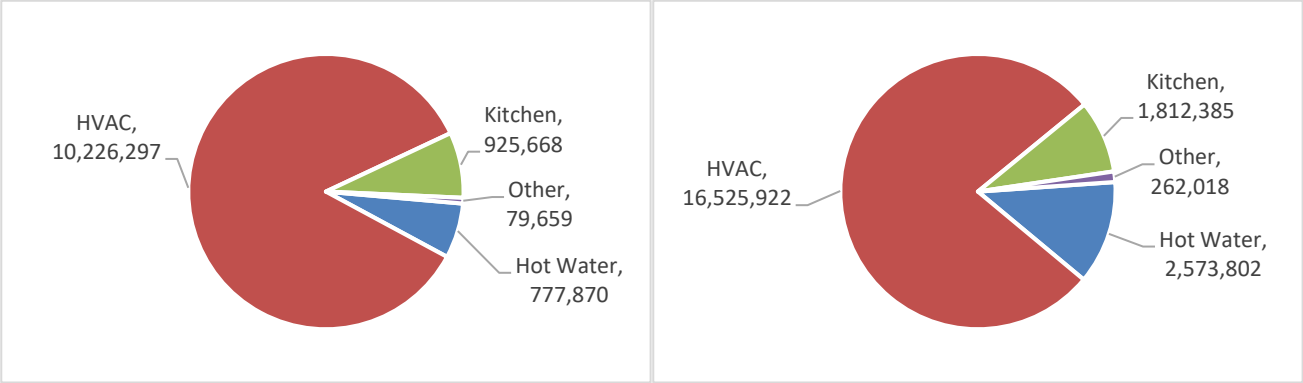


Figure 20. Commercial Average Lifetime Gas Savings by End-Use (Therms): Base Scenario, 2020-2024 (left) and 2025-2039 (right)



Based on the above results, the following observations can be made:

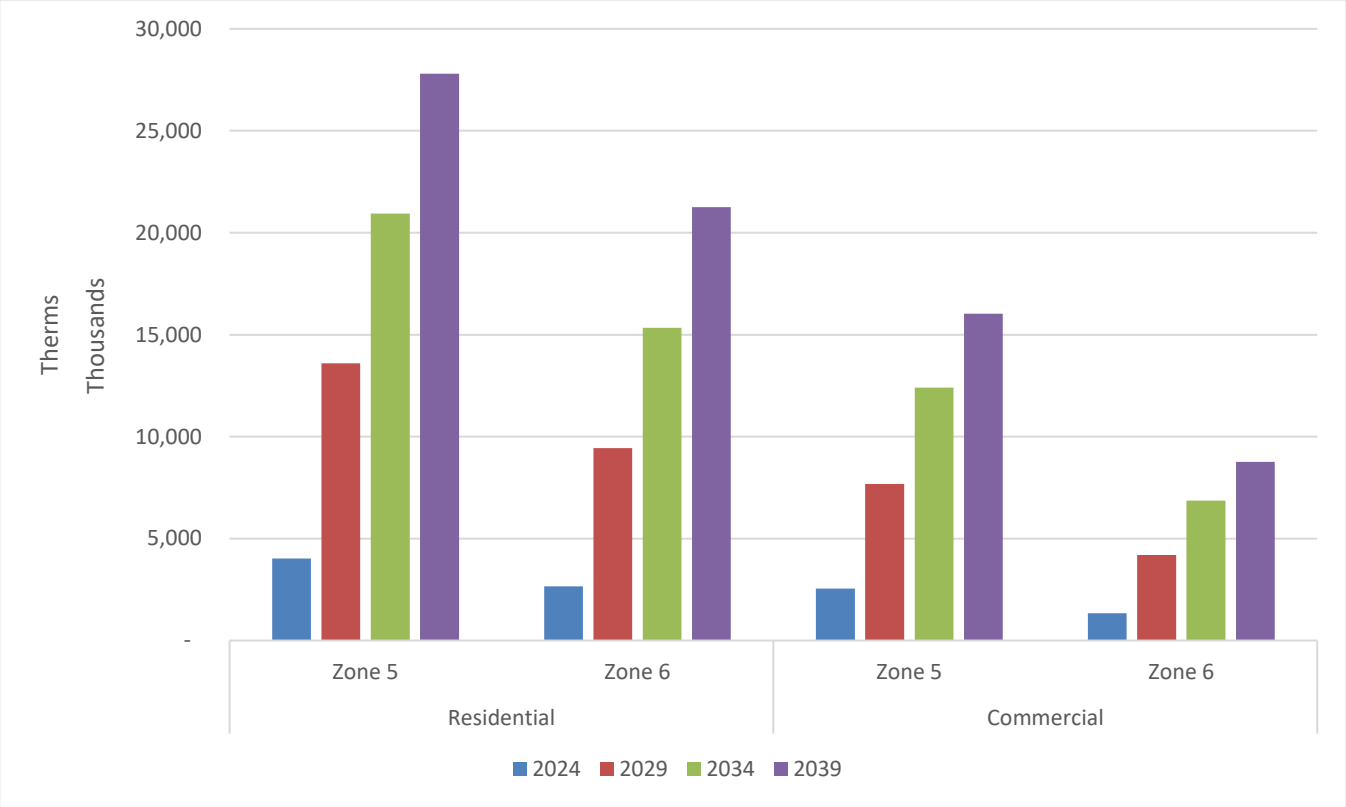
- **HVAC measures provide 75% of potential savings.** Equipment-based measures—notably condensing boilers and energy recovery ventilators—represent a significant share of the potential in the first five years of the study. Incentives for equipment measures can be introduced rapidly in the market and generate most of the savings in the initial period.
- **Share of savings by end-use remains similar for both periods considered.** However, some measures requiring different program strategies represent a higher percentage of achievable savings in the second period. HVAC control and attic insulation notably represent additional opportunities for longer-term savings.
- **Commercial kitchen appliances are a typically untapped savings opportunity.** Representing 14% and 9% of the first and last period savings potential, respectively.
- **Boiler savings decrease in the later years of the study due to new codes and standards.** DOE is considering applying the new ANSI/AHRI standard[5] to gas and oil-fired commercial boilers manufactured on or after January 1, 2023. This new standard will require new boilers to be more efficient and will reduce potential savings that can be counted toward DSM programs.
- **Hot water savings potential can grow through the study period,** notably as natural gas engine heat pump water heaters become cost-effective in the second period of the study. Close to two-thirds of the savings for the hot water end-use come from high-efficiency water heaters.

[5] ANSI/AHRI Standard 1500-2015 Standard for Performance Rating of Commercial Space Heating Boilers. Available at http://www.ahrinet.org/App_Content/ahri/files/standards%20pdfs/ANSI%20standards%20pdfs/ANSI.AHRI_Standard_1500-2015.pdf.

SAVINGS BY CLIMATE ZONE

Figure 21 below presents the achievable savings for the Base Scenario for IGC's clients located in the two climate zones in Idaho (Zone 5 and Zone 6).[6] Cumulative savings at the end of each 5-year period are presented.

Figure 21: Cumulative Savings by Sector and Climate Zone, Base Scenario



Of note, for residential customers, the proportion of savings occurring in Zone 6 (approximately 40%) is higher than the proportion of customers located in that zone (approximately 25%). This is notably due to the higher space heating requirement in that zone, leading to improved economic benefit for participants in that zone, which in turn leads to increased adoption of energy efficiency measures.

In the commercial sector, savings are generally well aligned with customer locations in the two climate zones, with 65% of savings in Zone 5 for 67% of customers. This is notably because businesses in Zone 6 have on average a 7% lower annual consumption than those in Zone 5, and because a higher share of the achievable savings are not climate-dependent (notably, water heating and kitchen end-uses).

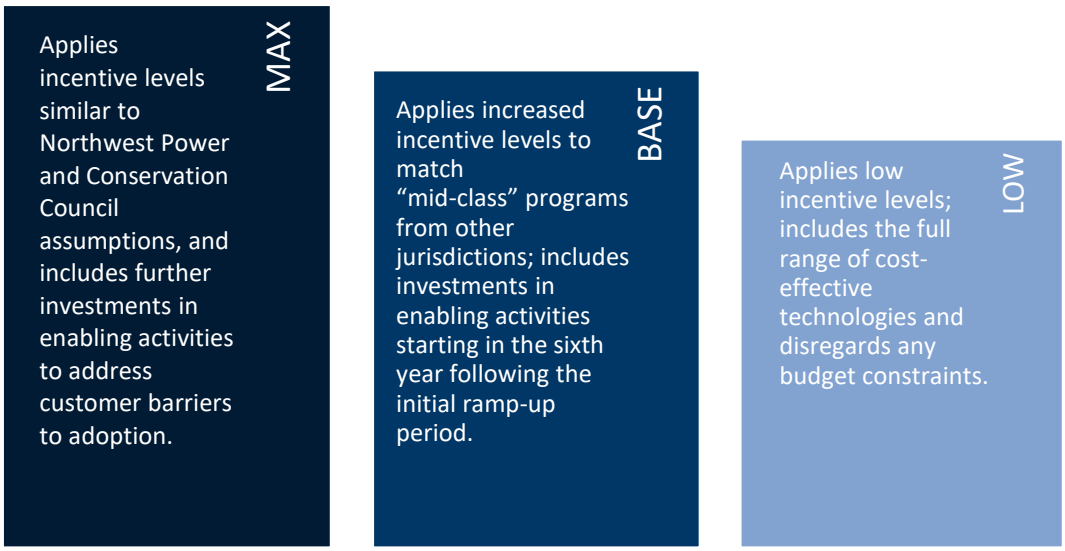
[6] The climate zone map used for the potential study is presented in Appendix D.

5. PROGRAM AND SCENARIO ANALYSIS

The analysis up to this point has focused primarily on the Base Scenario. This section provides a comparison of the three scenarios program savings, budgets, and cost-effectiveness.

As described in Section 2, three achievable potential scenarios were assessed in this study: Low, Base, and Maximum. By varying factors such as incentive levels[7] and barrier reduction strategies (see text box on the following page) between these scenarios, we can develop insights into their respective impacts on program savings, budgets, and cost-effectiveness. A summary of the assumptions associated with each scenario is presented below.

Figure 22. Alternative Scenario Assumptions for Achievable Potential



The Low Scenario is based on what is typically considered as a low incentive level with simple delivery mechanisms. It covers a broad set of measures and does not consider budget constraints. It provides an assessment of the maximum level of savings that could be expected from a simple Conservation Portfolio.

To understand how higher incentives are expected to increase savings, the Base Scenario increases incentive levels to those found in "mid-class" efficiency programs. As with the Base Scenario, typical delivery mechanisms are used in the initial period of the study, a broad set of measures are considered, and no budget constraints are applied. Following the initial ramp-up period, investments to reduce market barriers are included, leading to higher adoption.

[7] Incentive levels refer to the portion of a measure's incremental cost covered by a program incentive.

Finally, to quantify the Maximum achievable savings, we applied further enabling strategies with higher incentive levels, similar to those used in DSM planning by the Northwest Power and Conservation Council. Again, a broad set of measures are considered, and no budget constraints are applied.

The results that follow highlight the achievable potential savings under each scenario, budgetary impacts, and an analysis by segment and end-use to identify markets or end-uses for which incentive levels can have a higher influence.

Enabling Strategies: Options for Reducing Customer Barriers

To reach the maximum achievable potential savings, programs must go beyond incentives to address other barriers to customers participating in programs. Barrier reductions can be achieved through activities generally categorized as *enabling strategies*. Examples include consumer education, contractor training and support, market research, program design and enhancements, marketing strategies, program evaluation (which can identify barriers to participation), and others. Enabling strategies can assist IGC in reducing barriers to program uptake by:

- Increasing IGC's understanding of its markets and sectors (and the barriers they face) through evaluation and market research;
- Applying evaluation and market research results to inform program design and enhancements for the purposes of reducing, bypassing, or addressing identified barriers to participation;
- In partnership with other utilities in the region, consider mid-stream and up-stream incentives to bring market actors in the energy efficiency supply chain to promote energy efficient technologies and measures;
- Expanding awareness of conservation opportunities and benefits through:
    - Consumer education through initiatives like website resources, energy manager programs, commercial workplace engagement initiatives, school programs, etc.;
    - Contractor training and support, such as workshops on best practices, certification courses, providing tools and calculators, organizing conferences, technology demonstrations, etc.;
    - Marketing strategies, such as attendance at industry-focused trade shows and other forms of outreach;
- Promoting building and home energy labelling requirements to make energy performance visible to owners and renters;
- Transforming the market by increasing the demand for and availability of energy-efficient options through the deployment of emerging-technology pilots and/or behavior-based initiatives; and
- Offering financing alongside incentives to address access to capital related barriers.

RESIDENTIAL PROGRAMS ANALYSIS

Below, modeled savings from the three achievable potential scenarios are presented (Figure 23). Cost-effectiveness, budgets, and dollar per therm savings are also provided (Table 6). Scenario metrics are averaged over the first years of modeled forecasts.

Figure 23. Comparison of Residential Program Savings: Low, Base and Max Scenarios (2020-2024)

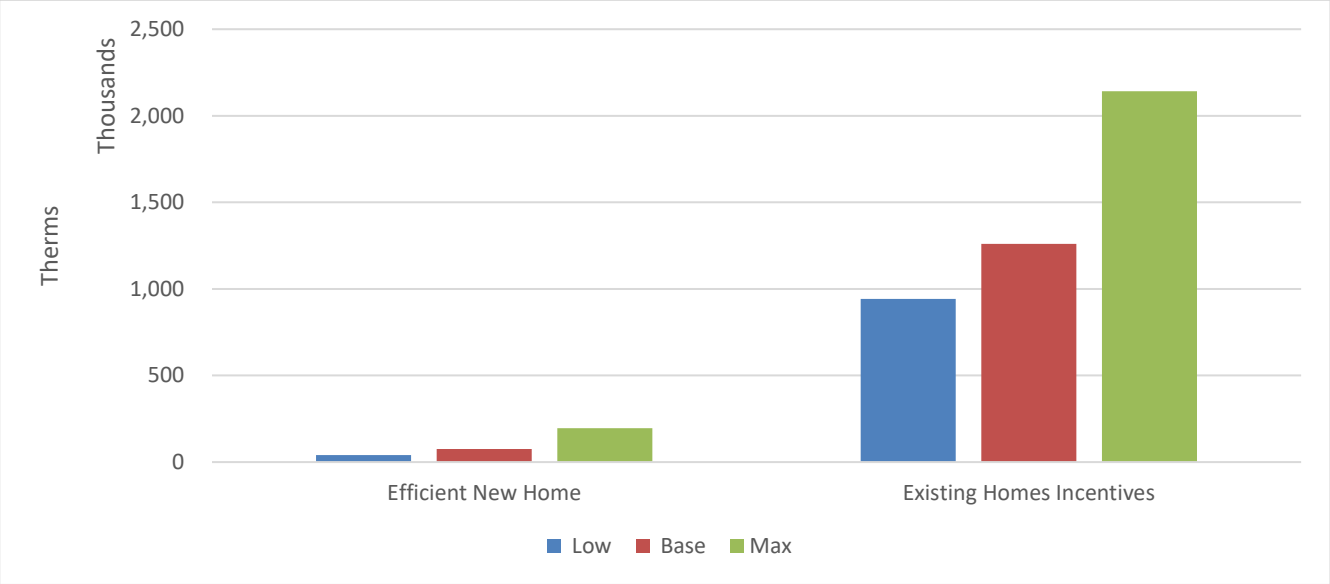


Table 6. Comparison of Residential Program Cost-Effectiveness, Savings, and Budgets by Scenario

Program	UCT			TRC		
	Low	Base	Max	Low	Base	Max
Efficient New Home	1.23	1.34	1.18	1.10	1.33	1.40
Existing Homes Incentives	1.85	1.80	1.52	1.37	1.37	1.29
Total Residential	**1.78**	**1.74**	**1.46**	**1.33**	**1.36**	**1.31**

Program	Budget ('000$)			$/Therm		
	Low	Base	Max	Low	Base	Max
Efficient New Home	292	520	1,515	7.23	6.83	7.73
Existing Homes Incentives	2,457	3,575	7,965	2.61	2.84	3.72
Total Residential	**2,749**	**4,095**	**9,480**	**2.80**	**3.07**	**4.05**

Based on the above results, the following observations can be made:

- **The Existing Homes Incentives program can provide most of the savings in the residential sector**. These savings are also achievable at a much lower unit cost than those required for the Efficient New Home Program.
- **The Base Scenario savings level can be achieved at a marginally higher unit cost than the Low Scenario**. There are significant fixed program administration costs required to deliver whole-house programs targeting the envelope, and higher participation dilutes these costs, thereby lowering the impact on unit cost of savings.
- **Units costs of the Max Scenario are considerably higher than for the other scenarios.** Under this scenario, incentives represent a higher share of the total program costs compared to the other scenarios.
- **Program cost-effectiveness are similar under the Low and Base Scenarios.** Overall, increasing incentive levels to "mid-class" levels under the Base Scenario has a limited impact on program cost-effectiveness. Program are cost-effective under both scenarios.

COMMERCIAL PROGRAMS ANALYSIS

Below, modeled savings from the three scenarios are presented (Figure 24). Cost-effectiveness, budgets, and dollar per therm savings are also provided (Table 7). Scenario metrics are averaged over the first five years of modeled forecasts.

Figure 24. Comparison of Commercial Program Savings: Low, Base and Max Scenarios (2020-2024)

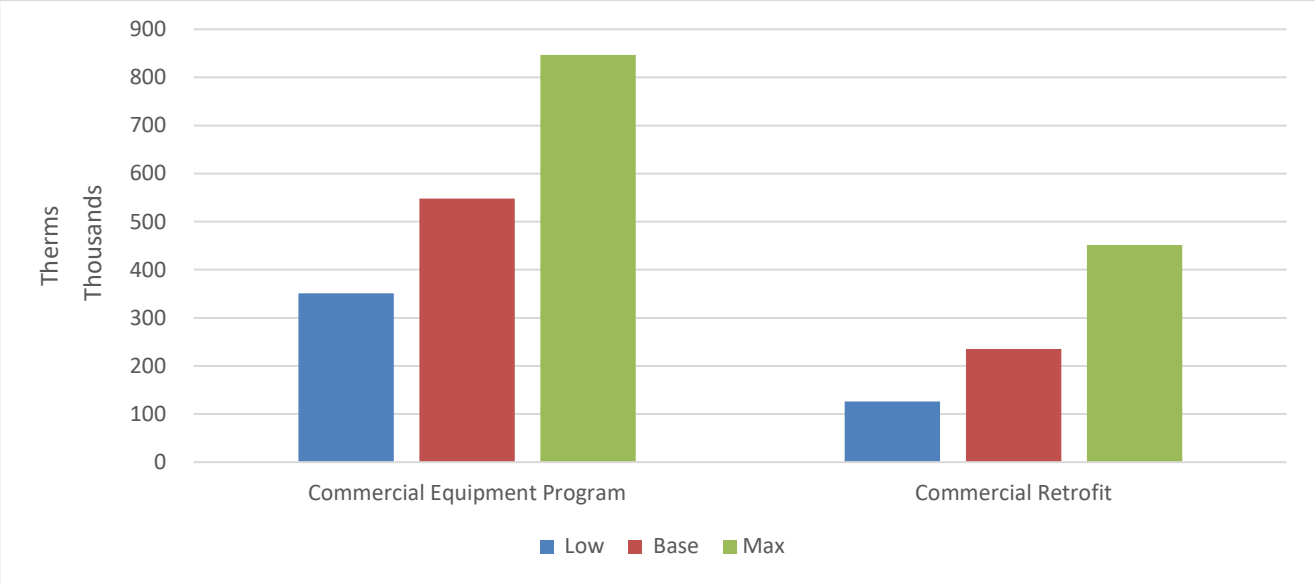


Table 7. Comparison of Commercial Program Cost-Effectiveness, Savings, and Budgets by Scenario

Program	UCT			TRC		
	Low	Base	Max	Low	Base	Max
Commercial Equipment Program	3.56	3.11	2.52	1.99	1.94	1.85
Commercial Retrofit	1.12	1.26	1.17	0.94	0.98	0.95
Total Commercial	**2.40**	**2.21**	**1.81**	**1.53**	**1.49**	**1.38**
Program	**Budget ('000$)**			**$/Therm**		
	Low	Base	Max	Low	Base	Max
Commercial Equipment Program	628	1,120	2,067	1.79	2.04	2.44
Commercial Retrofit	569	1,048	2,298	4.50	4.45	5.09
Total Commercial	**1,198**	**2,168**	**4,365**	**2.51**	**2.77**	**3.36**

Based on the program results above, the following observations can be made:

- **Under the Base Scenario, the Commercial Retrofit Program can provide higher incentives than the Low Scenario at a similar unit cost.** Increased participation will dilute the fixed administration cost required to deliver this type of program.
- **The programs are cost-effective under all scenarios based on the UCT.** However, the commercial retrofit cost-effectiveness results are low under all scenarios. Careful consideration should be given to the design of this initiative to ensure cost-effectiveness of the program, either through incentive-setting strategies or by seeking efficiency in the program delivery strategies.
- **The Commercial Equipment Program can provide robust savings at a low unit cost.** In order to achieve the highest level of savings, IGC could consider maximizing the incentive for this program.

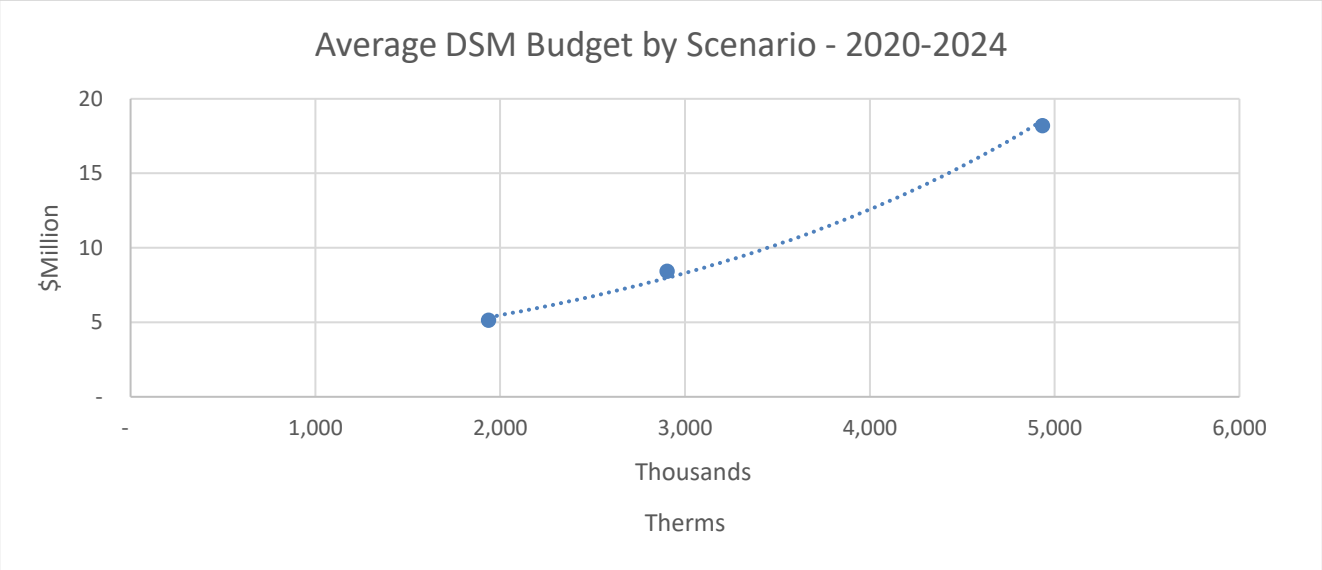
SCENARIO ANALYSIS – AGGREGATE

Portfolio-wide cost-effectiveness, budget, and cost-effectiveness are presented in Table 8 below. The relationship between budget and forecasted savings is further illustrated in Figure 25. Results are presented for the first 5-year period. Please see Appendix F for measure-level cost effectiveness results.

Table 8: Scenario Analysis - Portfolio Cost-Effectiveness, Budget, and Unit Cost

Sector	UCT			TRC		
	Low	Base	Max	Low	Base	Max
Residential	1.78	1.74	1.46	1.33	1.36	1.31
Commercial	2.40	2.21	1.81	1.53	1.49	1.38
Total	**1.97**	**1.90**	**1.33**	**1.40**	**1.41**	**1.33**
Program	Budget ($M)			$/Therm		
	Low	Base	Max	Low	Base	Max
Residential	2.75	4.10	9.48	2.80	3.07	4.05
Commercial	1.20	2.17	4.36	2.51	2.77	3.36
Total	**3.95**	**6.26**	**13.85**	**2.70**	**2.96**	**3.69**

Figure 25: Scenario Analysis – Gas Savings and Budget



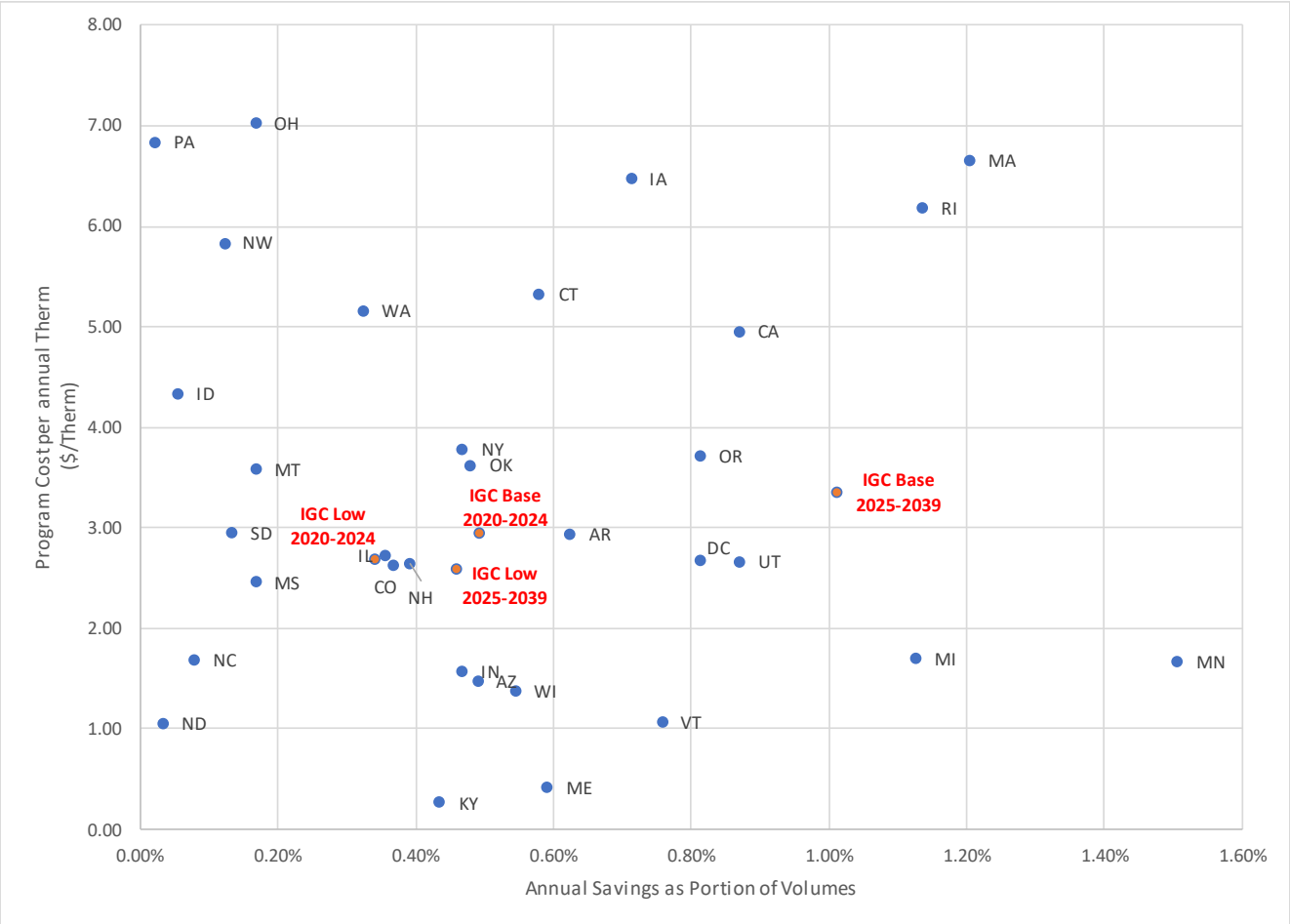
Based on the above scenario results, the following key insights can be gleaned:

- **Savings under the Base Scenario can be achieved at a similar unit cost as the Low Scenario.** While budget increases significantly between the Low and Base Scenarios, this budget increase is commensurate with the higher savings projected under the Base Scenario. Unit costs do not increase materially between the two scenarios.
- **The portfolio as a whole is cost-effective** under the UCT and TRC, for all scenarios.

BENCHMARKING IGC ACHIEVABLE PORTFOLIOS TO OTHER JURISDICTIONS

Figure 26 below compares the IGC conservation potential costs and savings to results from portfolios in other states. The charts show the plot of portfolio costs per unit savings and annual savings as a portion of sales for 2017 program years (converted to 2020 dollars for comparison) for a range of jurisdictions.[8] Results for IGC Low and Base Scenarios are presented separately for the first 5-year period and the last 15 years.

Figure 26: Comparison of Gas Portfolio Savings and Costs



Key insights based on this comparison include:

- In the first five-years of the study, the Low and Base Scenarios savings and unit costs would place IGC among average utilities, with savings ranging between 0.4% and 0.6% of annual volumes, at a unit costs around $3/therm.

[8]ACEEE, "The 2018 State Energy Efficiency Scorecard", Weston Berg, Seth Nowak, Grace Reif, Shruti Vaidyanathan, Erica Junga, Marianne DiMascio, and Emma Cooper, October 2018.

- Under the Base Scenario, IGC could evolve into one of the leading utilities, while maintaining its unit costs at a reasonable level. In order to accomplish this, investments and sustained growth in the residential home retrofit market will be critical.

Note: most of the jurisdictions depicted in this chart use the TRC to screen measures and programs. In several jurisdictions, natural gas conservation program achievements have been significantly reduced in recent years. Using the UCT to screen measures unlocks additional opportunities to achieve higher saving levels.

APPENDIX A. MARKET BASELINE AND CHARACTERIZATION

This Appendix presents the Dunsky Team's approach for conducting market baseline research and market characterizations in the residential and commercial sectors.

MARKET BASELINE RESEARCH

The Dunsky Team calculated the customer average energy consumption and total customer counts to formulate the residential and commercial baseline. This data was then used to calculate the potential market size for measures and to provide a metric for evaluating total savings. To formulate the baseline, the Dunsky Team used customer data provided by IGC. Additional information on our approach used to define the baseline residential and commercial sectors is provided below.

RESIDENTIAL SECTOR

The residential sector was split into the following categories:

1) Two segments:
    a. Single-Family
    b. Multi-family
2) Two U.S. Department of Energy climate zones:
    a. Zone 5
    b. Zone 6
3) Two gas heating scopes:
    a. Space heating
    b. Hot water and space heating

To calculate the customer average energy consumption and total customer counts by category, IGC provided The Dunsky Team with monthly residential customer data from January 2016 to December 2017. Dunsky then rolled-up consumption data to the premise ID and integrated climate zone data by matching the county data to its climate zone using the U.S. Department of Energy database.[9] Next, customers were tagged as single-family or multi-family using a dataset provided by IGC. Lastly, the Dunsky Team determined gas heating scope based on the customer rate classes (for space heating and hot water vs. space heating only).

The results for the residential market baseline are detailed in Table 9:.

[9] Volume 7.3: Guide to Determining Climate Regions by County, in *Building America Best Practices Series*. August 2015. Prepared by Pacific Northwest National Laboratory. Available at https://www.energy.gov/sites/prod/files/2015/10/f27/ba_climate_region_guide_7.3.pdf

Table 9: Residential Market Baseline Results

Climate Zone	Housing Type	Heating Scope	Counts	Average Consumption (Therms)
5	Single-Family	Space Heating	45,828	41.3
5	Single-Family	Space & Water Heating	185,995	64.1
5	Multi-Family	Space Heating	9	37.0
5	Multi-Family	Space & Water Heating	183	17.9
6	Single-Family	Space Heating	20,785	45.7
6	Single-Family	Space & Water Heating	59,078	70.8
6	Multi-Family	Space Heating	159	19.0
6	Multi-Family	Space & Water Heating	92	40.9

COMMERCIAL SECTOR

The commercial sector baseline was calculated and split into the following categories:

1) Eight segments:
    a. Education
    b. Food Services
    c. Retail and Food Sales
    d. Healthcare
    e. Lodging
    f. Manufacturing/Industrial
    g. Office
    h. Other
2) Three sizes:
    a. Small
    b. Medium
    c. Large

To calculate the split, IGC first provided The Dunsky Team with monthly commercial customer data from January 2016 to December 2017. The Dunsky Team then rolled-up consumption data to the premise ID and integrated climate zone data by matching the county data to its climate zone using a U.S. Department of Energy database.[10] Next, the Team assigned segments based on the customer SIC code and dropped; customers that appeared in the dataset for less than 24 months or which changed SIC codes. The Dunsky Team determined sizes based on total annual consumption, as shown in Table 10.

[10] Ibid.

Table 10: Size Classification by Therms Consumption in the Commercial Sector

Size	Annual Gas Consumption (Therms)
Small	<250
Medium	250 - 5000
Large	>5000

The results for the commercial market baseline are detailed in Table 11, below.

Table 11: Gas Consumption by Segment and Climate Zone

Segment	Climate Zone	Client Count	Average Consumption Per Client (Therms/year)
Education	5	1295	7,693
Education	6	613	6,960
Food Services	5	1145	6,640
Food Services	6	449	6,387
Healthcare	5	1169	3,488
Healthcare	6	610	2,264
Lodging	5	125	10,255
Lodging	6	117	13,230
Manufacturing / Industrial	5	752	5,902
Manufacturing / Industrial	6	334	7,204
Office	5	5660	3,048
Office	6	2914	2,944
Other	5	3500	3,664
Other	6	1701	3,320
Retail & Food Sales	5	4358	3,497
Retail & Food Sales	6	1992	3,056

MARKET CHARACTERIZATION

To develop estimates of baseline saturation and measure characteristics, the Dunsky Team relied on secondary data from multiple sources and discussions with market actors. Because the team relied on existing data instead of conducting new primary data collection activities, these baseline market characteristics are limited by the source studies' design and results. In order to validate the information used for the Conservation Potential Assessment, the team compared the results from the source material to penetration and saturation data available from other Dunsky potential studies.

RESIDENTIAL SECTOR

METHODOLOGY

The Dunsky Team used the Residential Building Stock Assessment conducted by the Northwest Energy Efficiency Alliance (NEEA) in 2016-17 [11] to calculate the measure saturation. This database is a representative sample of single-family, multi-family and manufactured homes gathered across the Northwest region (i.e., Montana, Idaho, Oregon and Washington).

To calculate the saturation of different measures, the Dunsky Team filtered for homes that used gas as their primary heating source. The table below lists the number of homes in the four-state region, in Idaho, and as IGC customers that use gas as their primary heating source.

Table 12: Size classification in the Residential Sector

Scope	Heating Customer Count
Northwest Region	682
Idaho	240
IGC	96

CALCULATED METRICS

For the baseline, we estimated the following metrics to develop saturation calculations per home of measures for the single-family and multi-family subsectors.

- Mean Number of Clothes Dryers
- Mean Number of Clothes Washers
- Mean Number of Kitchen Faucets
- Mean Number of Bathroom Faucets
- Mean Number of Showerheads
- Mean Number of Low-Flow Kitchen Faucets
- Mean Number of Low-Flow Bathroom Faucets
- Mean Number of Low-Flow Showerheads
- Mean Number of Gas Storage Water Heaters
- Mean Number of Gas Instant Water Heaters
- Mean Number of Gas Storage Water Heaters with Pipe Insulation
- Mean Number of Gas Instant Water Heaters with Pipe Insulation
- Mean Number of Furnaces

[11] See https://neea.org/data/residential-building-stock-assessment.

- Mean Number of Furnaces with Smart Thermostats
- Mean Number of Furnaces with Programmable Thermostats
- Mean Number of Furnaces with Manual Thermostats
- Mean Number of Furnaces with Unknown Thermostats
- Mean Number of Boilers
- Mean Number of Doors
- Mean People per Household
- Mean Number of Fireplaces

The Dunsky Team calculated some additional averages to bolster market characterization:

- Average Wall Area (ft^2)
- Average Ceiling Area (ft^2)
- Average High Input Furnace Capacity (Btus)
- Average High Input Furnace Efficiency (%)
- Averages High Input Boiler Capacity (Btus)
- Average High Input Boiler Efficiency (%)
- Average Conditioned Area per Home (ft^2)
- Average Window Area (ft^2)

The saturation values of these measures and metrics by single family and multi-family subsectors are presented in the table below.

Table 13: Residential Market Baseline Data

Metric	Saturation	
	Single Family	Multi-Family
HVAC Heating		
Mean Number of Gas Furnaces	0.98	0.91
Mean Number of Gas Boilers (in Region)	0.05	0.13
Average High Input Gas Furnace Capacity (Btus)	78,566	41000
Average High Input Gas Furnace Efficiency (%)	86%	78%
Average High Input Gas Boiler Capacity (Btus) (in Region)	134,751	68,010
Average High Input Gas Boiler Efficiency (%) (in Region)	84%	79%
HVAC Other		
Mean Number of Gas Furnaces with Smart Thermostats	0.04	0
Mean Number of Gas Furnaces with Programmable Thermostats	0.54	0.18
Mean Number of Gas Furnaces with Manual Thermostats	0.34	0.64
Mean Number of Gas Furnaces with Unknown Thermostats	0.06	0.09
Mean Number of Gas Fireplaces	0.46	0
Domestic Hot Water		
Mean Number of Kitchen Faucets	1.02	1.09

Metric	Saturation	
	Single Family	Multi-Family
Mean Number of Bathroom Faucets	2.52	1.27
Mean Number of Showerheads	1.85	1.36
Mean Number of Low-Flow Kitchen Faucets	0.55	0.55
Mean Number of Low-Flow Bathroom Faucets	0.38	0.36
Mean Number of Low-Flow Showerheads	0.88	0.73
Mean Number of Gas Storage Water Heaters	0.74	0.91
Mean Number of Gas Instant Water Heaters	0.02	0
Mean Number of Gas Storage Water Heaters with Pipe Insulation	0.06	0.09
Mean Number of Gas Instant Water Heaters with Pipe Insulation	0	0
Miscellaneous/Other Appliances		
Mean Number of Clothes Dryers	0.96	0.82
Mean Number of Clothes Washers	0.98	0.82
Building Characteristics		
Mean Number of Doors	2.24	1.09
Average Wall Area (ft2)	1,166	NA
Average Ceiling Area (ft2)	935	795
Average Conditioned Area per Home (ft2)	1,947	795
Average Window Area (ft2)	151.7	79.5
Mean People per Household	2.91	3

CAVEATS

Due to data limitations, we were unable to calculate the saturation in multi-family homes for the following metrics:

1) average wall area
2) average ceiling area
3) average conditioned area
4) annual gas usage

In addition, the saturation data were all based on IGC customers except for in the High Input Boiler metrics (due to a lack of data availability). For these metrics, we used the four-state regional data from NEEA.

COMMERCIAL SECTOR

PRIMARY RESEARCH METHODOLOGY

The Dunsky Team contacted key market actors throughout Idaho, as identified by IGC, in order to develop commercial market saturation and building characteristics baselines for the service territory. Individuals contacted included:

- IGC account managers
- Licensed building and specialty contractors
- Building safety and code experts
- Energy auditors and consultants

Contacts were asked for their knowledge of the saturation and building characteristics data by segment. However, none of the contacts were able to provide quantitative estimates to be included in the baseline data. IGC account managers, one plumbing contractor, and one energy auditor provided anecdotal evidence to confirm the general accuracy of a small number of data points identified via secondary research. Anecdotal evidence about the rates of code compliance from the plumbing contractors served as an input to the calculation of low flow showerheads per business.

For data points in the Food Services segment, the Dunsky Team relied on interviews with subject matter experts in commercial food service who staff Frontier Energy's Food Service Technology Center. Staff provided saturation rates for food service measures that were otherwise not available by IGC territory or the wider region.

SECONDARY RESEARCH METHODOLOGY

Commercial measure saturation data was developed based on several sources to provide the most accurate baseline characterization of commercial buildings within IGC territory. The primary data source was Northwest Energy Efficiency Alliance's (NEEA's) Commercial Building Stock Assessment (CBSA).[12] This 2014 assessment is a comprehensive research study of energy efficiency in Northwest commercial buildings (i.e., Montana, Idaho, Oregon, and Washington). The team used secondary data from several other sources to develop a more comprehensive baseline among commercial segments, namely:

- Pacific Northwest National Laboratory (PNNL) Commercial Building Prototypes
- Oak Ridge National Laboratory (ORNL)– Characterization of the U.S. Industrial/Commercial Boiler Population
- Seventhwave's Small Commercial Characterization for the Minnesota Department of Commerce

[12] Available at https://neea.org/data/commercial-building-stock-assessments.

- 2017 Cascade Natural Gas Conservation Potential Assessment
- NEEA's Building Commissioning Long-Term Monitoring and Tracking

CALCULATED METRICS

For the baseline, the team calculated the saturation per business (building) of various measures for education, food services, healthcare, lodging, manufacturing/industrial, office, retail and other building segments.

- Mean Number of Gas Unit Heaters per Business
- Mean Number of Gas Steam Boilers per Business
- Mean Number of Gas Hot Water Boilers per Business
- Mean Number of low-flow Showerheads Per Business
- Percent of Commercial Kitchen Hoods with a Dedicated Conditioned Makeup Air Unit
- Percent of Commercial Kitchen Hoods with a Dedicated Unconditioned Makeup Air Unit

To calculate saturation figures, the team applied installation data from secondary sources to commercial customer counts by segment. Some data points were extrapolated from related data points within a secondary resource. Low-flow showerhead saturation was calculated using the code compliance rate ascertained by primary research.

In addition to saturation calculations, the team calculated the following data points to support market characterization.

- Average Year Built
- Mean Number of Floors per Business
- Total Roof Area
- Mean number of dock door per business
- Percent of Businesses that were Commissioned when Built
- Average Capacity of Gas Steam Boilers (kBtuh)
- Average Capacity of Gas Hot Water Boilers (kBtuh)

The saturation values of these measures and metrics by segment are provided in the table below.

Table 14: C&I Equipment Market Baseline Data

Metric	Segment							
	Education	Food Services	Healthcare	Lodging	Manufac-turing/ Industrial	Office	Retail	Other
Space Heating								
Percentage of Businesses with a Gas Boiler	49%	3%	34%	22%	6%	17%	5%	18%
Percentage of Businesses with a Gas Steam Boiler	5%	0%	3%	3%	6%	0%	0%	0%
Percentage of Businesses with a Gas Hot Water Boiler	55%	0%	8%	12%	2%	27%	5%	31%
Percentage of Businesses with a District Steam Heat Exchanger	0%	0%	0%	0%	0%	0%	0%	0%
Percentage of Businesses with a Gas Furnace	51%	74%	62%	52%	43%	75%	80%	74%
Percentage of Businesses with a Gas Unit Heater	14%	12%	10%	8%	53%	9%	36%	16%
Percentage of Businesses with a Gas Window/Wall Heater	1%	0%	0%	5%	1%	1%	1%	1%
Mean Number of Gas Furnaces per Business	2.67	0.39	1.64	2.97	1.08	0.99	1.16	1.66
Mean Number of Gas Unit Heaters per Business	0.1	0.31	0.15	0.11	1.2	0.25	0.64	0.3
Mean Number of Gas Steam Boilers per Business	2.57	-	0.22	0.45	0.13	0.13	0.30	-
Mean Number of Gas Hot Water Boilers per Business	2.74	-	0.24	0.48	0.14	0.14	0.32	-
Mean Number of Gas Pool/Spa Heaters per Business	0.01	0.01	0.01	0.43	-	0.01	-	-
Average Input Capacity of Gas Split System Furnaces (kBtuh)	-	-	-	400	400	400	400	400
Average Input Capacity of Gas Package System Furnaces (kBtuh)	400	400	400	400	400	400	400	400
Average Capacity of Gas Steam Boilers (kBtuh)	815	-	4,734	3,035	3,058	2,401	1,925	-
Average Capacity of Gas Hot Water Boilers (kBtuh)	2241	0	1465	772	258	1269	561	910
Water Heating								
Mean Number of Gas Water Heating Units per Business	3.53	1.50	2.00	5.00	-	1.00	1.00	-
Mean Number of Another Kind of Gas Water Heating Units per Business	-	-	-	-	-	-	-	-
Mean Number of Gas Standard Storage Water Heating Units per Business	3.53	1.50	1.91	5.00	-	1.00	1.00	-
Mean Number of Gas Instant Water Heating Units per Business	-	-	-	-	-	-	-	-

Metric	Segment							
	Education	Food Services	Healthcare	Lodging	Manufac-turing/ Industrial	Office	Retail	Other
Mean Number of Gas Central Plant Boiler with Tank Water Heating Units per Business	-	-	0.09	-	-	-	-	-
Mean Input Capacity of Natural Gas Water Heaters (kBtuh)	199.00	199.00	199.00	300.00	-	77.13	36.00	-
Mean Input Capacity of Standard Storage Natural Gas Water Heaters (kBtuh)	199.00	199.00	199.00	300.00	-	77.13	36.00	-
Mean Number of Pre-Rinse Spray Valves Per Business	0.74	0.75	-	0.25	-	-	-	-
Mean Number of Sinks Per Business	20	3.70	20	70	5	2.87	1	5
Mean Number of Low-Flow Faucet Aerators Per Business	5	1	9	45	1.5	1.25	0.25	1.5
Mean Number of Showerheads Per Business	-	-	1	25	-	-	-	-
Mean Number of low-flow Showerheads Per Business	-	-	0.5	12.5	-	-	-	-
Kitchen Equipment								
Percent of Commercial Kitchen Hoods with a Dedicated Conditioned Makeup Air Unit	50%	50%	50%	50%	0%	50%	50%	0%
Percent of Commercial Kitchen Hoods with a Dedicated Unconditioned Makeup Air Unit	26%	26%	26%	26%	0%	26%	26%	0%
Percent of Commercial Kitchen Hoods without a Dedicated Makeup Air Unit	25%	25%	25%	25%	0%	25%	25%	0%
Mean Number of Natural Gas Char Broilers Per Business	0.03	0.23	0.03	0.07	-	-	0.01	0.03
Mean Number of Natural Gas Griddles Per Business	0.03	0.34	0.06	0.10	-	0.01	0.04	0.04
Mean Number of Natural Gas Fryers Per Business	0.07	0.58	0.05	0.11	0.01	0.02	0.07	0.05
Mean Number of Natural Gas Conveyer Ovens Per Business	0.03	0.07	0.04	0.04	-	-	0.02	0.02
Mean Number of Natural Gas Range Ovens Per Business	0.16	0.52	0.36	0.29	0.01	0.05	0.06	0.16
Mean Number of Natural Gas Convection, Combination, or Retherm Ovens Per Business	0.06	0.15	0.08	0.08	-	0.01	0.04	0.03
Mean Number of Dishwashers Per Business	0.77	0.77	0.49	0.25	0.11	0.46	0.03	0.24

Metric	Segment							
	Education	Food Services	Healthcare	Lodging	Manufac-turing/ Industrial	Office	Retail	Other
Miscellaneous Equipment								
Mean Number of Commercial Clothes Washers per Business	0.18	0	0.6	1.27	0	0.023	0.6	0.2
Mean Number of Commercial Clothes Dryers per Business	0.1	0	0.1	0.6	0	0.005	0.1	0.05
Mean Number of Ozone Laundry Systems per Business	-	-	0.10	0.15	-	-	-	-
Building Characteristics								
Percent of Businesses that were Commissioned when Built	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Percent of Businesses Which Undertake Ongoing Retrocommissioning	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Percent of Businesses Which Have Undertaken Retrocommissioning	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mean Number of Floors per Business	1.885	1.21	1.76	2.94	1	1.9	1.48	2.865
Average Year Built	1979	1975	1979	1976	1986	1977	1976	n/a
Average Square footage per Business	24,467	4,473	4,725	18,145	28,267	13,367	11,886	11,886
Percent of Businesses which Undertake Reactive HVAC Maintenance	55%	55%	55%	55%	55%	55%	55%	55%
Percent of Businesses which Undertake Preventative HVAC Maintenance	31%	31%	31%	31%	31%	31%	31%	31%
Average Square footage (new construction per year)	49,100	5,250	-	53,400	20,157	13,000	18,500	16,000
Average wall area per business	6,214	19,562	7,815	5,954	19,301	12,380	11,827	9,491
Total window area	3,620	524	1,524	1,211	113	1,442	492	-
Total Roof Area	12,980	28,348	13,902	8,322	24,467	18,382	16,532	8,540
% of floor area that is heated with natural gas as the primary fuel	79%	77%	90%	22%	50%	49%	79%	73%
Average % of floor that is above basement or crawlspace	10%	17%	9%	28%	0%	38%	5%	18%
Average % of floor that is slab on grade	85%	87%	91%	67%	100%	63%	93%	80%
Mean number of dock door per business	0.60	-	1.20	0.20	-	0.14	0.64	-
Percent of businesses with a dedicated energy manager	72%	13%	0%	47%	5%	51%	38%	44%

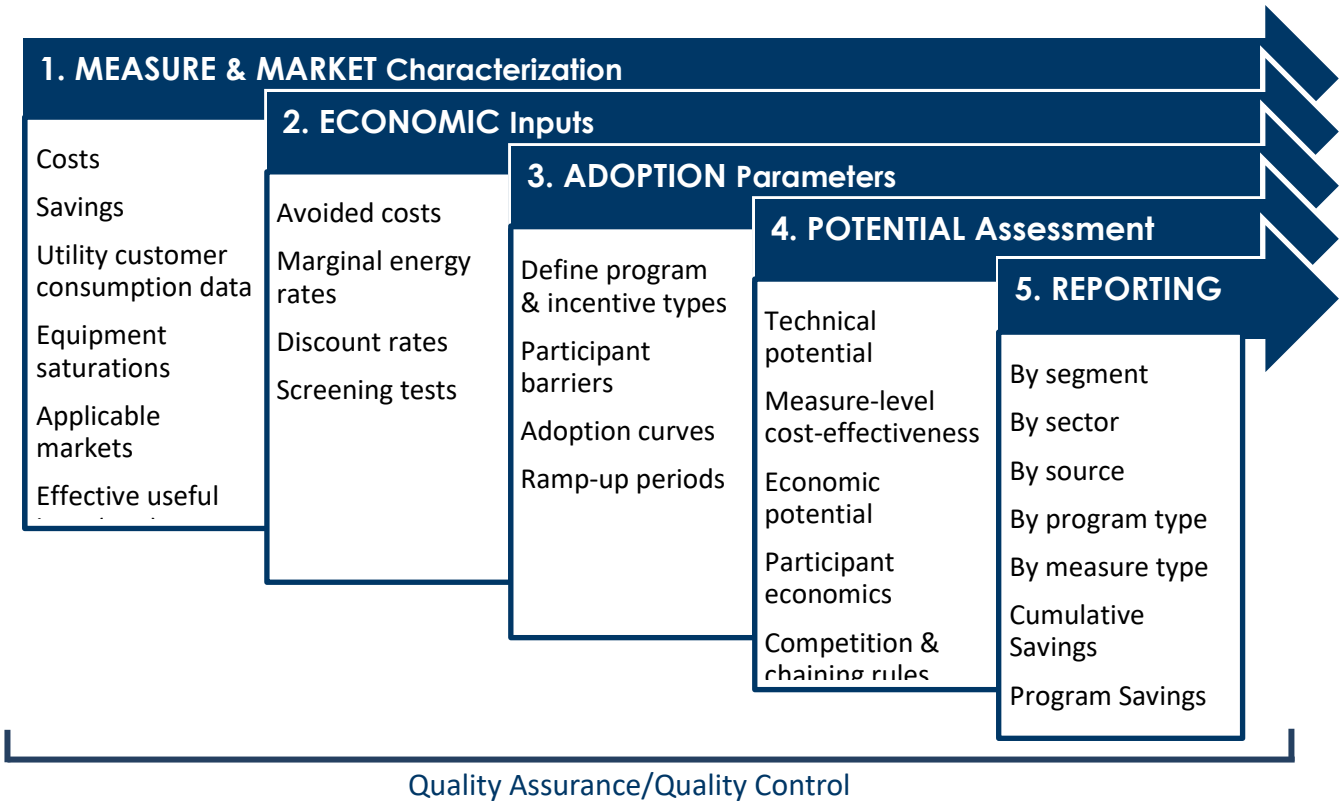
METHODOLOGICAL CAVEATS

Due to the limited commercial data availability from both primary and secondary resources within the IGC service territory, it should be noted that baseline conditions apply generally beyond IGC territory or have been extrapolated from a broader region. Results are limited by the source studies' design and results.

APPENDIX B. DETAILED MODEL METHODOLOGY

The Dunsky Energy Efficiency Potential (DEEP) model employs a multi-step process to develop a bottom-up assessment of the Technical, Economic, and Achievable Potentials. The process begins by establishing a comprehensive set of inputs related to energy savings measures, markets, equipment saturations, and economic factors, which are then applied in the model to assess energy savings potential. This appendix outlines the key features of our modelling technique, including the calculation methodologies employed, and the steps taken to ensure the accuracy and quality of the final results and reporting. The figure below provides a high-level overview of the key assessment steps and inputs, followed by more details throughout this appendix.

Figure 27: Key steps and inputs in study methodology



The key steps in the modelling process are:

- **Characterize Measures and their Applicable Markets** A comprehensive list of energy saving measures is characterized by applying jurisdiction-specific data and assumptions to each measure and market segment. Primary and secondary data are compiled (as available) to establish an assessment of the market baseline, detailing the current saturation of energy using equipment in each market sector and

segment. Markets for energy measures are then assessed by combining utility customer counts with market growth factors, equipment turnover rates, and the market baseline results.

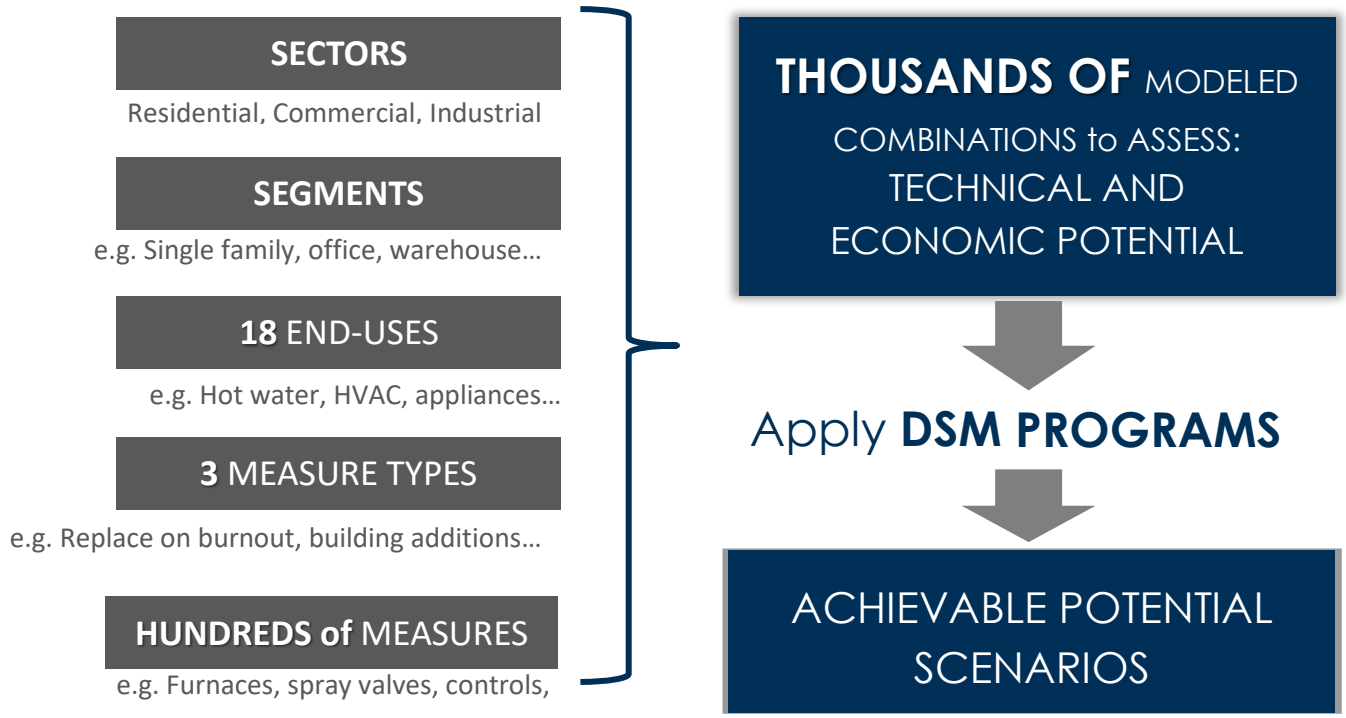
- **Economic Inputs:** The model harnesses key economic inputs to assess the measure cost-effectiveness and benefits. Utility avoided costs, customer discount rates, gas rates, and the utility cost of capital are captured and entered into the model in real dollars based on the study period start year. The cost-effectiveness test that will be applied for economic screening is selected, as well as the other test that will be calculated to benchmark program performance.
- **Adoption Parameters:** For each measure-market combination we assign adoption curves based on customer barrier level assessments. Customer economics inputs such as measure savings, marginal rates and other secondary energy sources) are applied to calculate the participant cost test (PCT), the key driver of adoption levels in each adoption curve. Finally, program characterizations are entered into the model by defining the fixed and variable program costs, incentive levels, and enabling activity impacts on customer barriers.
- **Potential Assessment:** The model assesses the technical potential by combining the measure characterization with the market baseline inputs to determine the theoretical maximum amount of savings possible for each measure-market combination, in each year, over the study period. Measures-market combinations that pass the cost-effectiveness threshold are counted in the economic potential. Achievable potential scenarios are applied by calculating the customer economics, under various incentive program scenarios, and applying the adoption curves. At each level, the model applies chaining factors to account for interactive effects among measures and assigns the appropriate market portion in places where multiple measure may compete for the same market (e.g., Tier 1 and Tier 2 boilers).
- **Reporting:** Reporting is conducted in four steps, from the presentation of the initial Draft Results to the Final Report, each with an increasing level of precision and detail. Each report is vetted by the relevant parties, and all feedback is considered and incorporated into the model and reporting before proceeding to the next step.
- **Quality Assurance / Quality Control (QA/QC):** Throughout the modeling process, a rigorous QA/QC process is applied to ensure the inputs reflect the energy using equipment in the studied jurisdiction, and that the results provide an accurate assessment of the energy savings potential. The model is calibrated to past DSM program performance and benchmarked to the baseline sales projections and individual end-uses, to ensure that the technical, economic and market factors align with the local reality.

BOTTOM-UP ASSESSMENT OF POTENTIAL

DEEP's bottom-up modelling approach assesses each measure-market segment combination, applying incentive programs to arrive at a fulsome assessment of the energy savings potentials. Rather than estimating potentials based on the portion of each end-use that can be reduced by energy saving measures and strategies (often referred to as a top-down analysis), the DEEP model's bottom-up approach applies a highly granular calculation methodology to assess the energy savings opportunity for each measure-market segment opportunity in each year. Key features of this assessment include:

- **Measure-Market Combinations:** Equipment saturations, utility customer counts, and demographic data are applied to create "markets" for each individual measure. The savings per year, and the market size are unique for each measure-market segment combination, thereby increasing the accuracy of the results.
- **Phase-in Potential:** The DEEP model applies the equipment expected useful life (EUL) and market growth factors to determine the number of savings opportunities for each measure-market combination in a given year. This provides an important time series for each gas savings measure, upon which accurate and realistic annual achievable program volumes (measure counts and savings) can be calculated in the model, as well as phase-in technical and economic potentials.
- **Annual and Lifetime Savings:** For each measure-market combination in each year, DEEP calculates the annual savings as well as the lifetime savings, accounting for mid-life baseline adjustments. This provides both an accurate read on the cumulative savings (above and beyond natural uptake), as well as a clear read on the annual savings that will pass through DSM portfolios.

Figure 28. Bottom-up combinations in the DEEP Model



OVERVIEW OF MODELLING CALCULATIONS

The DEEP model assesses three levels of energy savings potential: technical, economic, and achievable. In each case, these levels are defined based on the governing regulations and practice in the modeled jurisdiction, such as applying the appropriate cost-effectiveness tests, and applying the relevant benefit streams to ensure consistency with evaluated past program performance.

- **Technical Potential:** The technical potential accounts for all theoretically possible energy savings stemming from the applied measures. In markets where multiple measures may compete,[13] the measure procuring the most energy savings per unit is selected.
- **Economic Potential:** The economic potential includes all measures that pass the cost-effectiveness test screen. Economic screening is performed at the measure level, and only accounts for direct costs related to the measure (i.e., incentives in the case of the UCT, incremental costs in the case of the TRC), not including general DSM program costs.
- **Achievable Potential:** The achievable potential considers customer barriers and economics to assess the annual adoption of measures within DSM programs. Achievable potential scenarios are applied based on DSM program design variations (incentives and enabling activities).

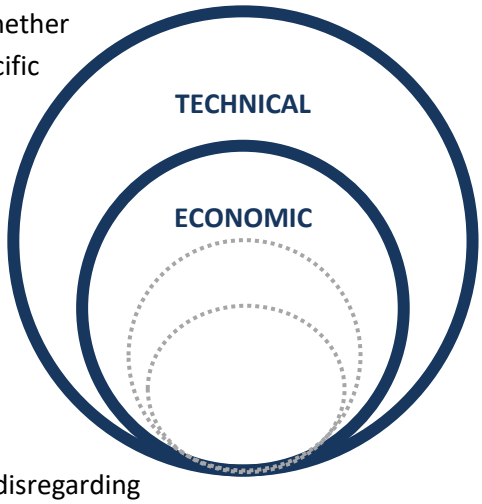
Figure 29. Bottom-up combinations in the DEEP Model

APPLIED CALCULATION	TECHNICAL POTENTIAL	ECONOMIC POTENTIAL	ACHIEVABLE POTENTIAL
1. ECONOMIC SCREENING	No Screen	Cost-Effectiveness (UCT)	Cost-Effectiveness (UCT and PCT)
2. MARKET BARRIERS	No Barriers (100% Inclusion)	No Barriers (100% Inclusion)	Market Barriers (Adoption Curves)
3. COMPETING MEASURES	Winner takes all	Winner takes all	Competition Groups Applied
4. MEASURES INTERACTIONS	Chaining Adjustment	Chaining Adjustment	Chaining Adjustment

[13] We use the words "market" or "market size" to describe the number of baseline equipment or buildings in a given segment that capture the opportunity for specific energy-efficient measures. For example, the number of shower heads in the single-family residential sector would be an example of a "market" for low-flow shower heads.

CALCULATION OF TECHNICAL AND ECONOMIC POTENTIAL

Various calculation methods are applied at different levels of potential, whether technical, economic, or achievable. These are based on each measure's specific characterization (cost-effectiveness, market applicability), as well as interactive and competition effects among measures.



The calculations applied at the technical and economic levels of potential assessment are outlined below. We note that calculations are conducted independently at each level to account for shifting and dynamic measure mixes and interactive effects at each level.

TECHNICAL POTENTIAL

Technical potential is the theoretical maximum savings opportunity, disregarding constraints such as cost-effectiveness and market barriers. This excludes early replacement and retirement opportunities, which are to be addressed in the subsequent *achievable* potential analysis.

The measure procuring the most energy savings per unit for each sub-sector and end-use is selected, which maximizes overall energy savings. The focus of the technical potential is on energy savings (e.g., the measures selected are based on energy savings, although demand savings are also calculated). The measures applied in the model are outlined in the approved study measure list.

Phase-in Technical Potential: The technical potential, and all other potential levels are calculated on an annual phase-in basis to determine the size of the available market in each year. For each measure for each year, the calculation applies the market size and growth factors, measure type, early and natural replacement rates of existing equipment, and the maximum number of units that could be replaced or installed.

ECONOMIC POTENTIAL

Economic potential is determined by screening technical potential measures – or bundles of measures – against the applicable standard cost-effectiveness tests. It disregards market barriers to adoption.

The model can apply any standard cost-effectiveness test, and adaptations are made to follow local jurisdiction cost-effectiveness testing requirements. The threshold for screening is set at 1.0 (i.e., measures that achieve a higher cost-effectiveness test result are counted in the economic potential) but can be adjusted in the model to test various screening regimes. Tests included in the model are:

- **Utility Cost Test (UCT)**
- **Total Resource Cost (TRC)** Test
- **Societal Cost Test (SCT)**
- **Utility Cost Test (PACT)**
- **Participant Cost Test (PCT)**

Table 15: Costs and Benefits that May Be Applied for Cost-Effectiveness Screening

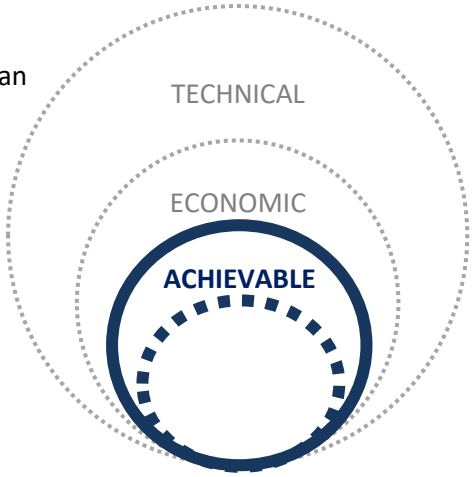
Benefits	Costs
• Utility avoided costs (TRC, SCT, UCT) • Customer avoided energy costs (PCT) • Non-energy benefits (SCT, PCT) • GHG Costs (SCT, PACT)	• Incremental measure costs (TRC, SCT, PCT) • Incentive Costs (UCT)

When calculating the inputs above, and indeed throughout the DEEP model, we apply the following:

- **Lifetime Benefits:** All benefits applied in the cost-effectiveness test are multiplied by their corresponding cumulative discounted avoided costs to get a present value ($) of lifetime benefits.
- **Real Dollar Accounting:** All benefits and costs are adjusted to real dollars, expressed in the first year of the study (unless otherwise requested).

ACHIEVABLE POTENTIAL SCENARIO ASSESSMENT

The achievable potential is the amount of energy and demand savings that can be achieved by the portfolio of DSM programs applied to the market. **Market adoption is assessed by applying the PCT along with the market adoption curve** associated with the assigned market barrier level for each measure.



Various scenarios are applied by modifying the DSM program inputs, specifically the incentive levels and barrier reductions from enabling activities. Achievable potential scenarios are defined according to the study requirements.

DSM PROGRAM ARCHETYPES

The achievable potential scenarios are assessed by applying DSM program archetypes that are developed based on an analysis of local DSM program evaluation reports, best practices from other jurisdictions, and through discussion with the DSM program administration team(s). Characterization of each program includes translating enabling strategies into customer barrier reduction impacts, incentive levels, cost structure, and applicable measures; those measures were mapped into the potential model. The model's bottom-up calculation approach is used to obtain costs, savings and average persistence of energy savings at the program level by aggregating measures by program archetypes and using program assumptions such as incentive levels and administration costs.

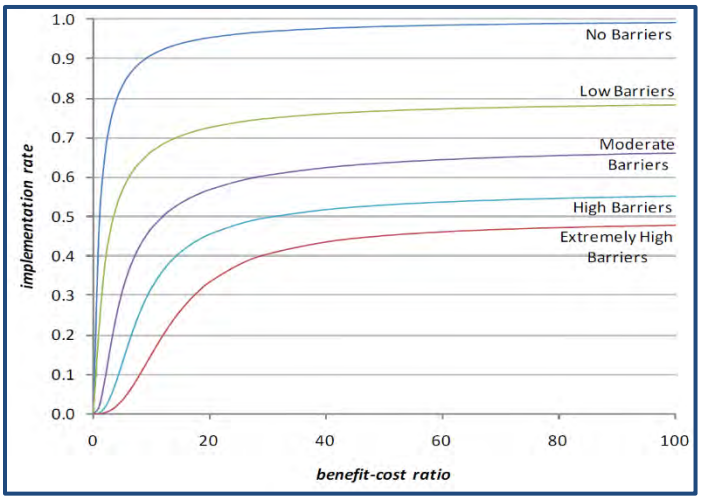
DEEP'S REFINED ADOPTION RATE METHODOLOGY

Rooted in the United States' Department of Energy (U.S. DOE) adoption curves,[14] the model methodology sets adoption rates based on a combination of customer cost-effectiveness – applied differently for each sector – and levels of market barriers. Figure 30 presents a schematic view of resulting adoption curves. Five levels of barriers, to which measure categories are assigned based on market research or professional experience, define the maximum adoption curves. Different end-uses and segments exhibit different barriers.

The DEEP model applies five steps to determine the achievable potential:

1. **Barriers:** Assign each measure category, within each segment to one of five adoption curves based on its assumed market barrier level (these can change over time if market transformation effects are anticipated).
2. **Drivers:** Assign cost-effectiveness metrics to each sector based on market research into economic drivers or professional experience.
3. **Incentives:** Assign assumed incentive levels.
4. **Economics:** Calculate customer cost effectiveness expressed by the PCT.
5. **Adoption:** Calculate resulting adoption rates and adjust as needed based on other external influences such as the ramp-up period (see *Refinement #2* in text box, below).

Figure 30: Adoption Curves Used in the Study



While this methodology is rooted in the U.S. DOE's extensive work on adoption curves, it applies two important refinements, as described in the text box below.

[14] The U.S. DOE uses this model in several regulatory impact analyses. An example can be found in http://www.regulations.gov/contentStreamer?objectId=090000648106c003&disposition=attachment&contentType=pdf, section 17-A.4.

Refinements to U.S. DOE Adoption Curves

Refinement #1: Choice of the cost-benefit criteria. The DOE model assumes that participants make their decisions based on a benefit-cost ratio calculated using discounted values. While this may be true for a select number of large, more sophisticated customers, experience shows that most consumers use simpler estimates, including payback periods. This has implications for the choice and adoption of measures, since payback period ignores the time value of money as well as savings after the break-even point. The model converts DOE's discount rate-driven curves to equivalent curves for payback periods.

Refinement #2: Ramp-up. Two key factors – measure awareness and program delivery structure – can in theory limit program participation, especially during the first few years after a program's launch, and result in lower participation than DOE's achievable rates would suggest. For example, a new home retrofit program that requires the enrollment and training of skilled auditors and contractors by program vendors could take some time to achieve the uptake assumed using DOE's curves. In this study, we have therefore applied an adjustment to select programs on a case-by-case basis.

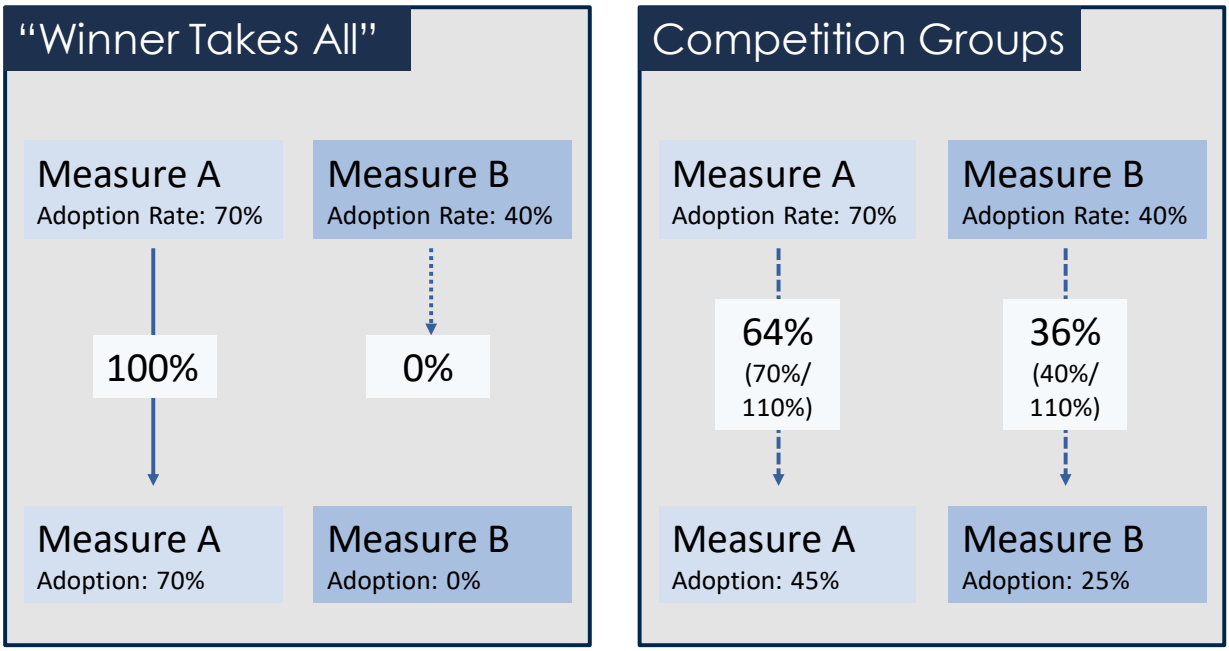
COMPETING MEASURES

Competing measures share the same market opportunity but are mutually exclusive. Examples include ENERGY STAR storage water heaters vs. tankless water heaters. In these cases, the model assesses the market for each depending on the potential level as follows:

- **TECHNICAL POTENTIAL**: 100% of the market is applied to the measure with the highest savings.
- **ECONOMIC POTENTIAL**: 100% of the market is applied to the *cost-effective* measure with the highest savings.
- **ACHIEVABLE POTENTIAL**: All cost-effective measures compete for the same market. Assuming that all measures are cost-effective, each adoption rate will be a pro-rated value based on the maximum adoption rate and each of the measures' respective adoption rates.

Below we present an example where two measures compete. First, the adoption rate is calculated for each measure independent of any competing measures, as outlined in the figure below.

Figure 31. Competing Measures Overview

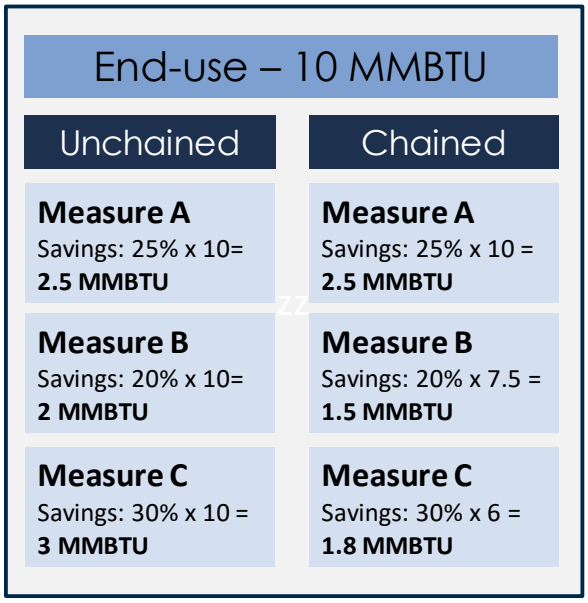


From this example, the maximum adoption rate is 70%, corresponding to the measure with the highest potential adoption. From this, measures adoptions are pro-rated based on their relative independent adoption rates, to arrive at each measure's share of the 70% total adoption rate. As a result, the total adoption rate is still 70%, but it is shared by two different measures.

MEASURE INTERACTIONS - CHAINING

Chained measures are subject to adjustment when other measures are also installed in the same segment. Chaining is applied at all potential levels (technical, economic and achievable), and these interactive effects are automatically calculated according to measure screening and uptake at each potential level. Figure 32 highlights the calculations used when incorporating adoption rates to calculate chaining effects.

Figure 32: Chaining Impact on Savings



An example with Measure A (50% adoption rate) and Measure B (40% adoption rate)

Measure	Market Share	Savings
A alone	30%	2.5 MMBTU
B alone	20%	2 MMBTU
A and B	20%	4 MMBTU
None	30%	0 MMBTU

The DEEP model applies a hierarchy of measures in the chain, reducing the savings from each measure that is lower down the chain. The model adjusts the chained measures' savings for each individual measure, with the final adjustment calculated based on the likelihood that measures will be chained together (determined by their respective adoption rates), and the collective interactive effects of all measures higher in the chain.

CUMULATIVE SAVINGS AND AGGREGATE RESULTS

To calculate the cumulative savings, and report aggregate savings by measure, end-use, segment and sector, the following approaches are applied to roll up and adjust annual measure savings.

- **Cumulative Annual Savings**: Cumulative savings are calculated for each potential type and each year, using incremental savings potentials. Savings from individual measures are removed from the cumulative savings at the end of their effective useful life (EUL). For instance, a measure installed in Year 1 and with a EUL of two years would not be recounted in the cumulative potential starting in Year 3.

- **Mid-Life Baseline Adjustments:** Where a new standard may alter the baseline of a measure before the end of its EUL, the model removes a portion of the savings for previously installed measures from the cumulative savings for that measure. The amount removed is equivalent to the difference between the baselines, which may represent all or just a portion of the previously installed measure's cumulative savings.

- **Aggregate Results and Reporting**: Measure-level consumption and demand savings-related costs, and benefits are aggregated by sector, segment, end-use, measure-type, or program. Costs are reported from both the program administrator's (program spending) and the service territory's perspectives.

The program administrator's costs do not include the participants' share of costs (i.e., costs that are not covered by incentives), nor do they include any adjustments for early retirement measure costs.

ITERATIVE QA/QC AND REFINEMENTS

To ensure that the DEEP model provides valid results for assessing the potential at all levels, we apply a rigorous QA/QC process throughout all steps in the study. This includes industry best-practices including:

- QA/QC checklists for all modelling processes
- Issue identification and trackers to ensure all items are addressed
- Data cleaning and input benchmarking to ensure all inputs
- Automated input compiling to avoid human error when loading model with study data
- Vetting with internal senior research leads, and relevant client/utility experts
- Model calibration to past program performance
- Feedback QA assessments, wherein model outputs are benchmarked to baseline sales data, and inputs are reviewed where anomalous outputs are observed
- Vetting of model with client/utility via sharing of DEEPs transparent input and calculation sheets

The DEEP model draws it inputs from a detailed measure, market, program and economic databases that are developed using jurisdiction specific data, as follows:

- **Measure Inputs:** Each measure is characterized for the specific market being studies (i.e., all parameters are updated to reflect local climate, equipment availability and costs). We then benchmark measure costs, savings, EULs and market applicability against our internal database of over 15 past potential study inputs to ensure that no values fall outside of the expected ranges, and that the inputs.
- **Market Inputs:** Detailed saturation tables are created for each measure-segment combination (refereed to as markets in DEEP's modeling process). These are then benchmarked against recognized building energy thresholds (lighting densities, energy use intensities, cooling and heating capacity per unit condition floor area, average floor area per business, etc.) Finally, the individual equipment saturations are benchmarked against Dunsky's internal database of equipment saturation tables, to identify any inputs that may be out of acceptable ranges or anomalous.
- **Economic Inputs:** All economic inputs are converted to real dollar terms based on the study start year and adapted to fit the model input table formats. These are vetted internally and with the client who provided the sales projections and local economic settings to ensure consistency with internal planning values.
- **Program Inputs:** Program characterizations are developed based on a detailed study of current DSM programs in the jurisdiction, and recent evaluation reports. These are then vetted internally against our internal program characterization database and provided to utility DSM program administration representatives to ensure consistency with current program approaches, costs and incentive levels.

Once the inputs have been prepared and quality checked, a characterization database employs an automated script to assemble the input sheets and avoid any human transfer errors.

MODEL CALIBRATION

Model calibration ensures that the overall estimated energy and demand savings levels are in line with utility forecasts. Because the bottom-up potential methodology is based on baseline equipment saturation data, the focus of the study calibration is on the validation of the market adoption forecast model, and to ensure that the collective inputs provide valid ranges for measure savings, costs, and markets.

The study is refined using the most recently completed year of program activity, as available, using energy savings, demand savings, and costs. This step is more of a "sanity check" on results than an actual model calibration, as there might be good reasons for the potential to be materially different from the last annual DSM results. For instance, some programs may be underperforming what is possible for such programs to achieve, or some other anomaly may impact achieved savings.

To account for these factors, calibration is performed at two levels: the overall program by program comparison, as well as at the measure level for a handful of "bell-weather" technologies that are typically not impacted by differences in program scope or program underperformance.

The calibration exercise identifies the extent to which our assessment of adoption rates – based on a combination of economic drivers and assumed market barrier levels – appears consistent with recent achievements. Large discrepancies are then reviewed and classified with one (or a combination) of four findings:

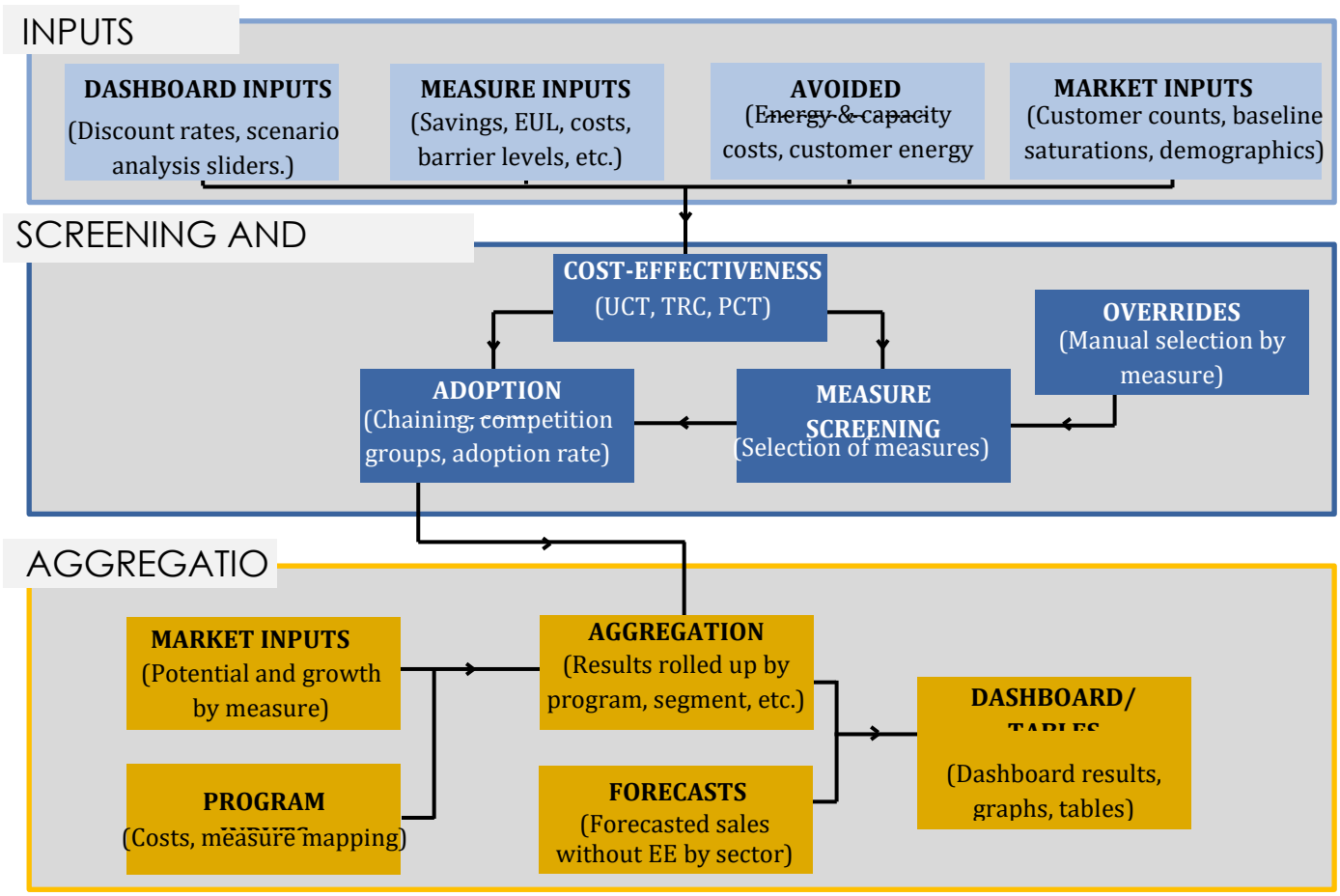
(1) The model is consistent with expected results;
(2) The market adoption algorithm needs to be revisited;
(3) Barrier levels for market adoption need to be revisited; or
(4) An anomaly likely explains an inconsistency, so no change is required.

These findings then inform iterative adjustments to the model inputs and settings before draft and final results are generated and shared with the client and/or stakeholders.

MODEL ARCHITECTURE

The figure below presents an overview of the DEEP model's computational structure, including inputs, calculations, and aggregation. The methodology uses a bottom-up approach, beginning at the measure level with individual measure characterization (the top-most row in the figure below). The measures are then screened and adoption rates are calculated based on cost-effectiveness results (middle row below). Measure results are then rolled-up by program, segment, sector, energy source, and end-use.

Figure 33: DEEP Model Structure



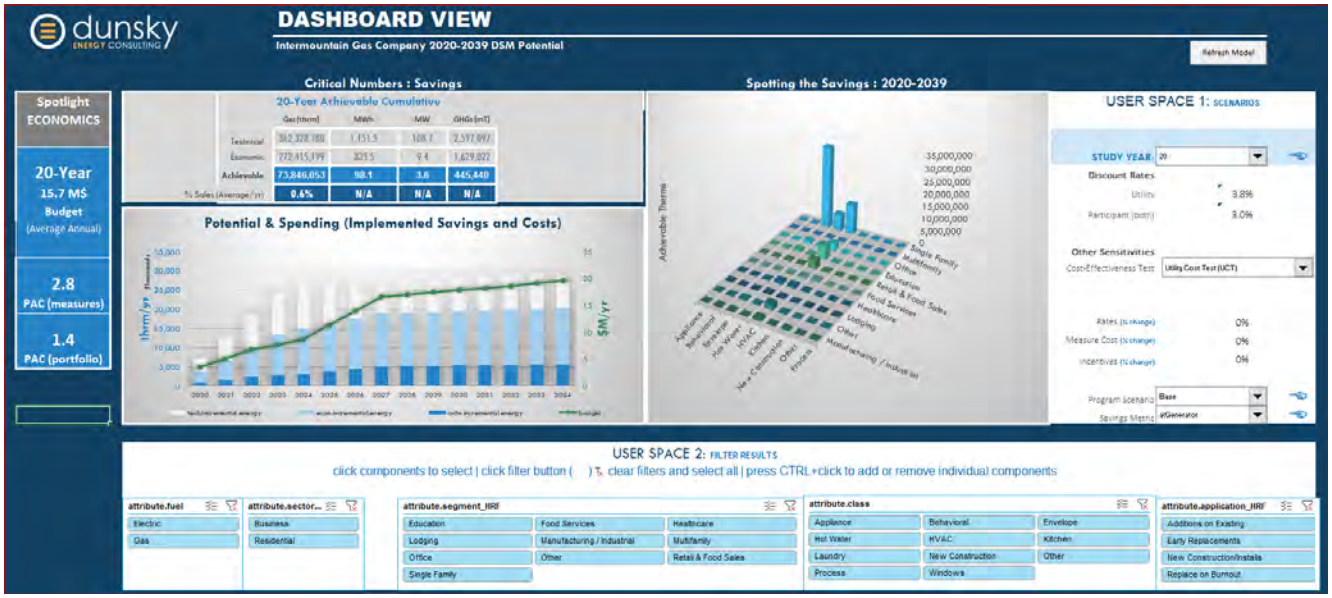
SCENARIO ANALYSIS DASHBOARD

The DEEP model can be delivered for use by the client to run further what-if scenarios. To facilitate this, DEEP is equipped with dashboard that provides a summary of the model outputs (results), and a range of user-input fields to adjust the model settings to test further scenarios. The model comes equipped with all input data and can be run on a PC equipped with MS Excel 2013 or later.

The user also has access to measure and program input and output tables. Core input assumptions in the model are clearly defined and can be easily changed to conduct sensitivity analysis and adjust to changing market conditions (e.g., energy prices, economic growth) as well as recent program and evaluation results.

The figure below shows a snapshot of the DEEP dashboard, which is the main entry point to use the model's features, run sensitivity analyses, and get high-level results.

Figure 34: DEEP Model – Dashboard View



APPENDIX C. MEASURE CHARACTERIZATION DETAILS

This section presents the measure characterization for both the residential and commercial measures. For each sector, characterizations are presented first for available measures and then for emerging technologies. Finally, this appendix summarizes how future codes and standards were considered.

RESIDENTIAL MEASURES

AVAILABLE MEASURES

Table 16 lists the residential measures included in the potential study and the source(s) of the inputs. The table includes the end-use category, measure, applicable TRM or other sources, and any adjustments made.

Table 16: Residential Measure Source

Measure Type	Measure Description	Source
Appliance	Clothes Dryer ENERGY STAR	Mid Atlantic TRM Version 8. Clothes Dryer, p. 239. Vented Gas, Standard size (8.45lbs)
Appliance	Clothes Washer ENERGY STAR	Iowa Statewide Technical Reference Manual Version 2.0; 2.1.1 Clothes Washer p.5.
Behavioral	Home Energy Report	Michigan 2019 Behavior Resource Manual (BRM) --> for therms. Took average over 6 years of percentage reduction for homes with between 900 and 1200 therms annual usage a year.
Envelope	Air Sealing	Iowa Statewide Technical Reference Manual Version 2.0; 2.6.1 Infiltration Control (conservative deemed approach), p. 260.
Envelope	Attic Insulation	2019 Illinois TRM Version 7.0, Volume 3. 5.6.5 Ceiling/Attic insulation p.327.
Envelope	Basement Insulation	2019 Illinois TRM Version 7.0, Volume 3. 5.6.2 Basement Sidewall Insulation p. 306.
Envelope	Efficient Windows	Iowa TRM, Version 2.0, Volume 2. 2.6.8 Efficient Windows, p. 308.
Envelope	ENERGY STAR Doors	Iowa TRM Version 2.0, Volume 2: Residential Measures, 2.6.5 Insulated Doors, p.287.

Measure Type	Measure Description	Source
Envelope	New Home Construction Built Green Home	Cascade natural gas potential study - ratio of 'Built Green Homes' and Energy Star homes to adjust results from Energy Star homes Energy Star Certified Homes, Version 3 (Rev. 08), Cost & Saving Estimates. https://www.energystar.gov/ia/partners/bldrs_lenders_raters/downloads/EstimatedCostandSavings.pdf Assumed that 80% of saving in Energy star homes is heating related (gas) and 20% is not (electricity).
Envelope	New Home Construction ENERGY STAR Certified Home	Energy Star Certified Homes, Version 3 (Rev. 08), Cost & Saving Estimates. https://www.energystar.gov/ia/partners/bldrs_lenders_raters/downloads/EstimatedCostandSavings.pdf Attribution of savings between electricity and gas is currently done based on professional judgement - assume that 80% of energy saving are heating related and 20% are non-heating related.
Envelope	Wall Insulation	2019 Illinois TRM Version 7.0, Volume 3. 5.6.4 Wall insulation p. 320.
Hot Water	Faucet Aerator	Mid Atlantic TRM V8 - NEEP; Faucet aerators (p. 174 of 529). Used average of kitchen and bathroom values.
Hot Water	Gas Heat Pump Water Heater	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.7 Gas High Efficiency Furnace p.103
Hot Water	Low Flow Shower Head	Mid Atlantic TRM V8 - NEEP; Low flow showerhead (p. 170 of 529).
Hot Water	Pipe Wrap (Hot Water)	NBP TRM, DSM Plan 2019 - 2021 Technical Reference Manual. Hot Water Pipe Insulation p. 23.
Hot Water	Storage Water Heater Energy Star	Mid Atlantic TRM V8 - NEEP; High Efficiency Gas Water Heater (p. 187 of 529). Used values for Gas Condensing.
Hot Water	Tankless Water Heater	Efficiency Maine Retail/Residential TRM Version 2018.3, Effective Jan. 1, 2018. On-Demand Natural Gas Water Heater, p. 97.
Hot Water	Tankless Water Heater Energy Star	Efficiency Maine Retail/Residential TRM Version 2018.3, Effective Jan. 1, 2018. On-Demand Natural Gas Water Heater, p. 97; EF of 0.91 from Union Gas/Enbridge Gas.
Hot Water	Thermostatic Restrictor Shower Valve	Mid Atlantic TRM V8 - NEEP; Thermostatic Restrictor Shower Valve (p .199 of 529).
HVAC	Boiler post 2021 standard	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.6 Gas High Efficiency Boiler p.99.
HVAC	Boiler Condensing	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.6 Gas High Efficiency Boiler p.99.

Measure Type	Measure Description	Source
HVAC	Boiler Reset Control	Mid-Atlantic Technical Reference Manual Version 8.0, May 2018. Boiler Reset Controls, p.152.
HVAC	Boiler Tune Up	Wisconsin Focus on Energy 2018 TRM, Boiler Tune-Up, Single Family p. 757. Algorithm edited to be consistent with other residential measures.
HVAC	Combo Boiler (Heating/HE) post 2021 standard	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.17 Gas High Efficiency Combination Boiler p.167. Hot water inputs from Maine TRM to be consistent with other hot water measures.
HVAC	Combo Boiler (Heating/HE)	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.17 Gas High Efficiency Combination Boiler p.167. Hot water inputs from Maine TRM to be consistent with other hot water measures.
HVAC	Duct Insulation	Efficiency Maine Retail/Residential Technical Reference Manual Version 2018.3; Duct Insulation (Component of LUB), p.79.
HVAC	Duct Sealing	Iowa Statewide Technical Reference Manual Version 2.0; 2.4.16 Duct Sealing. Deemed method.
HVAC	Fireplace < 40 kBtu/h	Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. HE Fireplace with pilotless ignition, zero clearance. 40 kBtu/h input rating or freestanding fireplace, 0.7 Eff; Base: 0.65 Eff. p.7.
HVAC	Fireplace >= 40 kBtu/h	Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. p.7.
HVAC	Furnace	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.7 Gas High Efficiency Furnace p.103.
HVAC	Furnace	2019 Illinois TRM Version 7.0, Residential Measures. 5.3.7 Gas High Efficiency Furnace p.103.
HVAC	Furnace Tune Up	Wisconsin Focus on Energy 2018 TRM, Boiler Tune-Up, p. 77.
HVAC	Heat Recovery Ventilator ENERGY STAR	Iowa Statewide Technical Reference Manual Version 2.0; 2.4.8 Energy Recovery Ventilator, p.156.
HVAC	Thermostat Programmable	Mid-Atlantic Technical Reference Manual Version 8.0, May 2018. Smart Thermostat, p.133. Home Energy Services Impact Evaluation (Res 34), August 2018. Navigant and cadeo for % heating saving, and ratio of cooling saving relative to with a wifi thermostat.

Measure Type	Measure Description	Source
HVAC	Thermostat Wi-Fi	Mid-Atlantic Technical Reference Manual Version 8.0, May 2018. Smart Thermostat, p.133.
Other	Pool Heater	https://www.energy.gov/energysaver/gas-swimming-pool-heaters

EMERGING TECHNOLOGIES

The table below summarizes the key assumptions used for the three (3) emerging technology measures considered in the residential sector: gas heat pump water heaters, through-the-wall condensing furnaces/air-conditioners (ACs), and natural gas heat pumps.

Table 17. Residential Emerging Technologies Included in Potential Study Model

MEASURE	KEY ASSUMPTIONS
Gas Heat Pump Water Heaters	**Measure definition**: Gas-fired heat pump water heater designed for residential applications with a 1.30 Uniform Energy Factor (UEF). **Baseline definition:** 0.62 UEF, minimum efficiency gas storage water heater. **Key assumptions:** For the multifamily market segment, there are a few important considerations. Firstly, it is critical that there be sufficient space around the GHPWH to allow for the needed quantities and movement of air to ensure rated performance of the heat pump. In multifamily circumstances where there were dedicated utility closets used for water heaters, an assurance of adequate amounts of space would be necessary. Secondly, these units are currently designed to be taller than conventional storage tank water heaters. Before a ROB replacement was installed, sufficient vertical clearance will need to be confirmed. If the multifamily site were to use a centralized system, it would likely be more of a hybrid-type arrangement, similar to the integrated GHPWH and A/C technology modeled in the commercial segment. Assumes 84 gallons of hot water use per day. Assumes an effective useful life of 10 years.
Through-the-Wall Condensing Furnaces/ACs	**Measure definition**: Through-the-wall (TTW) condensing system with code minimum 9.0 EER cooling system (minimum code schedule to increase to 11.0 EER on September 23, 2019) and a high-efficiency gas furnace with an AFUE of 90% or greater. **Baseline definition:** TTW unit with a cooling system that meets the current minimum 9.0 EER efficiency rating and a heating unit with an AFUE of 80% or less. **Key assumptions:** Through-the-wall condensing furnace/AC packages have been designed for cold-climate multifamily applications, and most multifamily residences do not have large individual cooling loads, meaning high efficiency cooling has not been a priority. Therefore, high efficiency cooling was not modeled in this measure. As such, the baseline and upgrade AC EER would be the same and the electric savings is assumed to be zero. Assumes 1,516.2 effective full load hours (EFLH) for multifamily applications. Assumes 40,000 Btu/hr capacity. Assumes effective useful life of 16.5 years.

MEASURE	KEY ASSUMPTIONS
Natural Gas Heat Pumps	**Measure definition**: Residential gas-fired, absorption heat pump system with a UEF of 1.30. **Baseline definition:** Standard efficiency, 80% AFUE natural gas-fired furnace and a minimum efficiency, 0.62 EF natural gas storage water heater. **Key assumptions:** Measure performance is based on a prototype system currently in development and expected for commercialization in 3-5 years. GTI's Source Energy and Emissions Analysis Tool (SEEAT) was used to model performance of the measure and baseline systems in a residential detached, 2-story home with 3 occupants located in Boise, Idaho.

COMMERCIAL MEASURES

AVAILABLE MEASURES

Table 18: Commercial Measure Sources

Measure Type	Measure Description	Source
Behavioral	Building Operator Certification O&M Only	MA TRM, October 2015. p.368 of 436.
Behavioral	Building Operator Certification O&M plus Capital Upgrades	MA TRM, October 2015. p.368 of 436.
Envelope	Attic/Roof Insulation Flat Roof	NB Power TRM - September 2017. * Used for kWh heating savings, adapted for GJ Savings
Envelope	Building Shell Air Sealing	Iowa TRM - July 12, 2017. 3.7.1. Infiltration Control

Measure Type	Measure Description	Source
Envelope	Green Roof	Energy intensity from the Commercial Buildings Energy Consumption Survey (CBECS): https://www.eia.gov/consumption/commercial/data/2012/index.php?view=consumption, https://www.eia.gov/consumption/commercial/data/2012/c&e/xls/e7.xlsx; Green roof planning study: http://www.mass.gov/eea/docs/doer/green-communities/library/green-roof-boston-st2009.pdf; Assumes incremental costs of $13.50/sq.ft. (mid way between the range of 12$ - 15$ per sq.ft.); Green roof calculator: https://sustainability.asu.edu/urban-climate/green-roof-calculator/ ; Discussion of leaf area index: http://energy-models.com/forum/leaf-area-index-values-roof-vegetation.
Envelope	Wall Insulation	NB Power TRM - September 2017. * Used for kWh heating savings, adapted for GJ Savings
Hot Water	Condensing Water Heater 2020	Measure based on 2020 upcoming regulation for condensing water heaters (https://www.nrcan.gc.ca/energy/regulations-codes-standards/19835) and Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246, p.94.
Hot Water	Hot Water Pipe Insulation	MA TRM, G19C2a024.
Hot Water	Indirect Water Heater	MA TRM, October 30, 2015. p. 353 of 435.
Hot Water	Low Flow Faucet Aerator	NY TRM, Version 5, July 17, 2017 Faucet - Low Flow Aerator, p. 198.
Hot Water	Low Flow Shower Head	IA TRM - September 2017. p. 50 of 376.
Hot Water	Pre-Rinse Spray Valve	NY TRM, Version 5, July 17, 2017. Low-Flow Pre-Rinse Spray Valve, p. 206. Standards: https://www.energy.gov/sites/prod/files/2015/12/f27/CPSV%20Final%20Rule.pdf

Measure Type	Measure Description	Source
Hot Water	Recirculation Pump with Demand Controls	Iowa TRM - Volume 3 Non-residential Measures, Jul7 12, 2017, FINAL, 3.2.4 Controls for Domestic Hot Water, p.60.
Hot Water	Tankless Water Heater	Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. p.54.
HVAC	Advanced Thermostat (Wi-Fi Thermostat)	MA TRM - 2016-2018 Program Years; October 2015, HVAC - Programmable Thermostats, p. 250 and Mid-Atlantic TRM v8.0, Final, May 2018, Smart Thermostat, p.452.
HVAC	Air Curtains	Il TRM v5.0, vol.2, Feb. 11, 2016. Section 4.4.33. p.300 of 493.
HVAC	Boiler < 300 kBtu/h _ Tier I	Measure from Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. p.10. Algorithm from Efficiency Maine C/I & Multifamily TRM, Version 2018.3, Effective Jan. 1, 2018, p. 67.
HVAC	Boiler >= 300 kBtu/h	Measure from Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. p.10. Algorithm from Efficiency Maine C/I &Multifamily TRM, Version 2018.3, Effective Jan. 1, 2018, p. 67.
HVAC	Boiler < 300 kBtu/h- Tier 2	Measure and algorithm from Efficiency Maine C/I & Multifamily TRM, Version 2018.3, Effective Jan. 1, 2018, p. 67.
HVAC	Boiler >= 300 kBtu/h_Post 2024	Measure from Union Gas /Enbridge Gas Distribution - Updated DSM Measures and TRM; EB-2016-0246. p.10. Algorithm from Efficiency Maine C/I &Multifamily TRM, Version 2018.3, Effective Jan. 1, 2018, p. 67.
HVAC	Boiler Blowdown Heat Recovery	Derived from IA potential study - calculated from DOE tip sheet #10, 1/2006.
HVAC	Boiler Reset Control	MA TRM
HVAC	Boiler Shut Off Damper, Space Heating	Iowa TRM, vol.3, July 12, 2017. p. 149 of 376.
HVAC	Combo Condensing Boiler/Water Heater 90% AFUE	MA TRM, October 30, 2015. p.113 of 435.
HVAC	Combo Condensing Boiler/Water Heater 95% AFUE	MA TRM, October 30, 2015, p.113 of 435.

Measure Type	Measure Description	Source
HVAC	Condensing Make Up Air Unit with 2 Speed Motor	OEB TRM V3, 2018/12/03 p. 101
HVAC	Condensing Unit Heater	MA TRM, October 2015. p. 337.
HVAC	Demand Control Ventilation (DCV)	IL TRM - v.6.0 Vol. 2 - February 8th 2017, 4.4.19 Demand Controlled Ventilation (p.226) (algorithm, cost, EUL). NB Power DSM Plan 2019-2021. Appendix AC - TRM, September 2017 (EDR).
HVAC	Destratification Fan - High Efficiency	Commercial Destratification Fans, HVLS OEB TRM (not sure if it is published yet); IL TRM v7.
HVAC	Energy Management System (EMS)	Iowa PS measure characterization by Micheals Energy using data from the Michigan Energy Measures Database (MEMD). EUL from MA TRM.
HVAC	Energy Recovery Ventilator (ERV)	OEB TRM v3, 2018/12/03, Commercial - Incremental energy recovery ventilation (ERV) (no ERV baseline) - New construction/retrofit, p. 168 of 320.
HVAC	Furnace Shut Off Damper, Space Heating	Iowa TRM, vol.3, July 12, 2017. p. 149 of 376.
HVAC	Infrared Heater	REVISED - Gazifère Inc, PGEE 2019-2020 IL TRM - v.6.0 Vol. 2 - February 8th 2017, 4.4.12 Infrared Heaters (all sizes), Low Intensity (p.182).
HVAC	Kitchen Demand Control Ventilation	IL TRM v6.0, February 8th 2017, 4.2.16 Kitchen Demand Ventilation Controls, p. 72.
HVAC	Programmable Thermostat	MA TRM - 2016-2018 Program Years; October 2015, HVAC - Programmable Thermostats, p. 250.
HVAC	Steam Boiler Stack Economizer	IL TRM v6.0. Feb.8, 2017. p. 263 of 508.
HVAC	Steam Trap HVAC	Wisconsin Focus on Energy 2018 TRM.
HVAC	Ventilation Hoods	Online LBNL calculator: http://fumehoodcalculator.lbl.gov/ ; EUL: https://www.mountsinai.on.ca/education/staff-professionals/microbiology/microbiology-laboratory-manual/quality-manual/equipment/equipment-life-expectancy-qeqmi02004

Measure Type	Measure Description	Source
HVAC	Water Boiler Stack Economizer	IL TRM v6.0. Feb.8, 2017. p. 263 of 508.
Kitchen	Dishwasher	IOWA TRM - July 12, 2017.
Kitchen	Fryer	MA TRM 2015. p. 327 of 436.
Kitchen	Griddle	MN TRM 2017, p. 430 of 643.
Kitchen	Infrared Broiler	IA TRM, July 12, 2017.p. 274 of 376.
Kitchen	Oven Combination	MI measure database - Rack Oven Single.
Kitchen	Oven Convection - ENERGY STAR	MN TRM 2017, p. 424 of 643.
Kitchen	Oven Convection - High Efficiency	Mi Measure Database - Rack Oven Single.
Kitchen	Steamer High Efficiency	MA TRM, October 2015. p. 328.
Laundry	ENERGY STAR Clothes Dryer	New York Standard Approach for Estimating Energy Savings from Energy Efficiency Programs - Residential, Multi-Family and Commercial/Industrial Measures, Version 6. 2019. p. 171.
Laundry	ENERGY STAR Clothes Washer	IA TRM, July 12, 2017. p. 237 of 376.
New Construction	LEED Certified	Various / Professional Judgement (NBP Measure). * Used for kWh heating savings, adapted for GJ Savings.

Measure Type	Measure Description	Source
Other	Biodigester	Marcus Lauer et all. July 2018. Making money from waste: The economic viability of producing biogas and biomethane in the Idaho dairy industry. Kearney TE, Larkin MJ, Levett PN. The effect of slurry storage and anaerobic digestion on survival of pathogenic bacteria. J Appl Bacteriol 1993;74(1):86–93. Klavon KH, Lansing SA, Mulbry W, Moss AR, Felton G. Economic analysis of small-scale agricultural digesters in the United States. Biomass Bioenergy 2013; 54: 36–45. ICF International. Greenhouse gas mitigation options and costs for agricultural land and animal production within the United States; 2013. Option for sustainable heat use of biogas plants. http://www.biogasheat.org/wp-content/uploads/2013/06/4_WIP_Options_Sust_Heat_Use-.pdf. IDENTIFYING BARRIERS AND POTENTIAL SOLUTIONS TO FACILITATE ANAEROBIC DIGESTER PROJECTS IN IDAHO: ROUNDTABLE REPORT. April 2012, https://www.researchgate.net/publication/256064493_Identifying_Barriers_and_Potential_Solutions_to_Facilitate_Anaerobic_Digester_Projects_in_Idaho. https://articles.extension.org/pages/19461/economics-of-anaerobic-digesters-for-processing-animal-manure .
Other	Drain Water Heat Recovery (DWHR) Medium	IA TRM, September 21, 2017. 3.2.6 Drainwater Heat Recovery, p. 65.

Measure Type	Measure Description	Source
Other	Duct Insulation and Sealing	IA TRM, September 21, 2017 3.3.15 Duct Insulation. Temperature Data for ISLIP LONG ISL MACARTHUR AP: http://rredc.nrel.gov/solar/old_data/nsrdb/1991-2005/tmy3/by_state_and_city.html MA Measure Characterization.
Other	Pool Cover	Iowa Energy Efficiency Statewide Technical Reference Manual. Volume 3: Non-residential Measures, July 12, 2017. Effective Jan 1, 2018. p.62.
Other	Pool Heater	DTE Energy, NG Efficiency Potential Study, July 29, 2016. https://energy.gov/energysaver/gas-swimming-pool-heaters https://www.michigan.gov/documents/mpsc/DTE_2016_NG_ee_potential_study_w_appendices_vFINAL_554360_7.pdf Capacity range of commercial pool heaters https://www.raypak.com/pool-and-spa/commercial-pool-heaters/ http://www.engineeringtoolbox.com/swimming-pool-heating-d_878.html
Process	Process Boiler - Steam	2017 Michigan energy measures database (excel file).
Process	Process Boiler - Water	2017 Michigan energy measures database (excel file).
Process	Process Boiler Tune Up	2017 Michigan energy measures database (excel file).
Windows	Efficient Windows	IA TRM 2017, 3.7.5 Efficient Windows, p.331 of 376.

EMERGING TECHNOLOGIES

The table below summarizes the key assumptions used for the 10 emerging technology measures considered in the commercial sector.

Table 19. Commercial Measures Included in Potential Study Model

MEASURE	KEY ASSUMPTIONS
High-Efficiency Unit Heaters	**Measure definition**: Condensing, gas-fired unit heater with a thermal efficiency of 0.93. **Baseline definition:** Non-condensing, gas-fired unit heater with a standard thermal efficiency of 0.80. **Key assumptions:** There is a wide range in runtimes for unit heaters – with those conditioning interior zones typically having shorter runtimes (250 annual hours of runtime or less) than those conditioning building perimeter zones (2,500 annual hours of runtime or more). This measure is ideally suited for factories, warehouses, service shops, and some limited "big box" retail stores, etc. These buildings typically have high ceilings and open floor plans. Wider temperature variations are tolerated than in office or school spaces; frequently there is no air conditioning, and sometimes there is only enough heating service to prevent freezing. Assumes effective useful life of 12 years.
Modulating Dryer Retrofits	**Measure definition**: Gas-fired clothes dryer fitted with a post-OEM modulating retrofit. **Baseline definition:** Non-modulating, gas-fired clothes dryer. **Key assumptions:** Targets dryers with capacities of 30-250 pounds. Primary markets that could benefit from this technology are commercial on-premise laundry (OPL) such as laundromats, hospitality, healthcare facilities (nursing homes, hospitals, etc.), prisons, and commercial laundry services. This technology could be used in multifamily buildings as well. Assumes effective useful life of 14 years.
Combination Ovens	**Measure definition**: Combination oven/steamer unit operating at 35% efficiency in oven mode and 20% efficiency in steam mode. **Baseline definition:** Standard 30% efficient, gas-fired, full-size convection oven. **Key assumptions:** Assumes a combination oven/steamer with a 20-pan capacity for this model. Assumes 12 hours of use per day with 50% of the time in steam mode operation. Assumes 250 pounds of food cooked per day. Assumes effective useful life of 12 years.

MEASURE	KEY ASSUMPTIONS
Low-Oil Volume Fryers	**Measure definition**: Standard-sized open deep-fat, gas-fired low oil volume fryer (30 pounds of oil) operating at 56% efficiency. **Baseline definition:** Standard open deep-fat, gas-fired fryer (50 pounds of oil) used in commercial foodservice establishments operating at 40% efficiency. **Key assumptions:** It is important to note that the cost savings of reduced oil usage aren't captured in the energy savings analysis but are expected to be significant. This cost reduction can be even greater if the restaurant is seeking to use (and promote their use of) trans-fat free oils, which are usually more expensive but have become increasingly popular in the past 5 years. The oil savings are based on the average oil savings amounts at six restaurant sites that were monitored as part of a confidential GTI project. Assumes fryer is operating 14 hours/day and 150 pounds of food is cooked daily. Assumes the owning establishment operates 360 days/year. Assumes effective useful life of 12 years.
Condensing RTUs	**Measure definition**: Condensing, warm air furnace with a natural gas thermal efficiency (TE) rating of 90% or higher, or alternatively, the unitary package must have equipment nameplate information for natural gas that identifies a heating output and heating input rating that has an output over input ration of 0.90 or higher. The furnace must be vented and condensate disposed of in accordance with the equipment manufacturer installation instructions and applicable codes. **Baseline definition:** Non-condensing, warm air furnace with a natural gas TE rating of 80% or alternatively, the unitary package will have equipment nameplate information for natural gas that identifies a heating output and heating input rating that has an output over input ratio of 0.80. **Key assumptions:** Condensing RTU system may also require a neutralization system for condensate drainage. The requirement for this is often left up to the local jurisdiction. The annual cost of such a system tends to be small (~$65/yr) and was not included in the costs used in this analysis. Assumes effective useful life of 15 years.

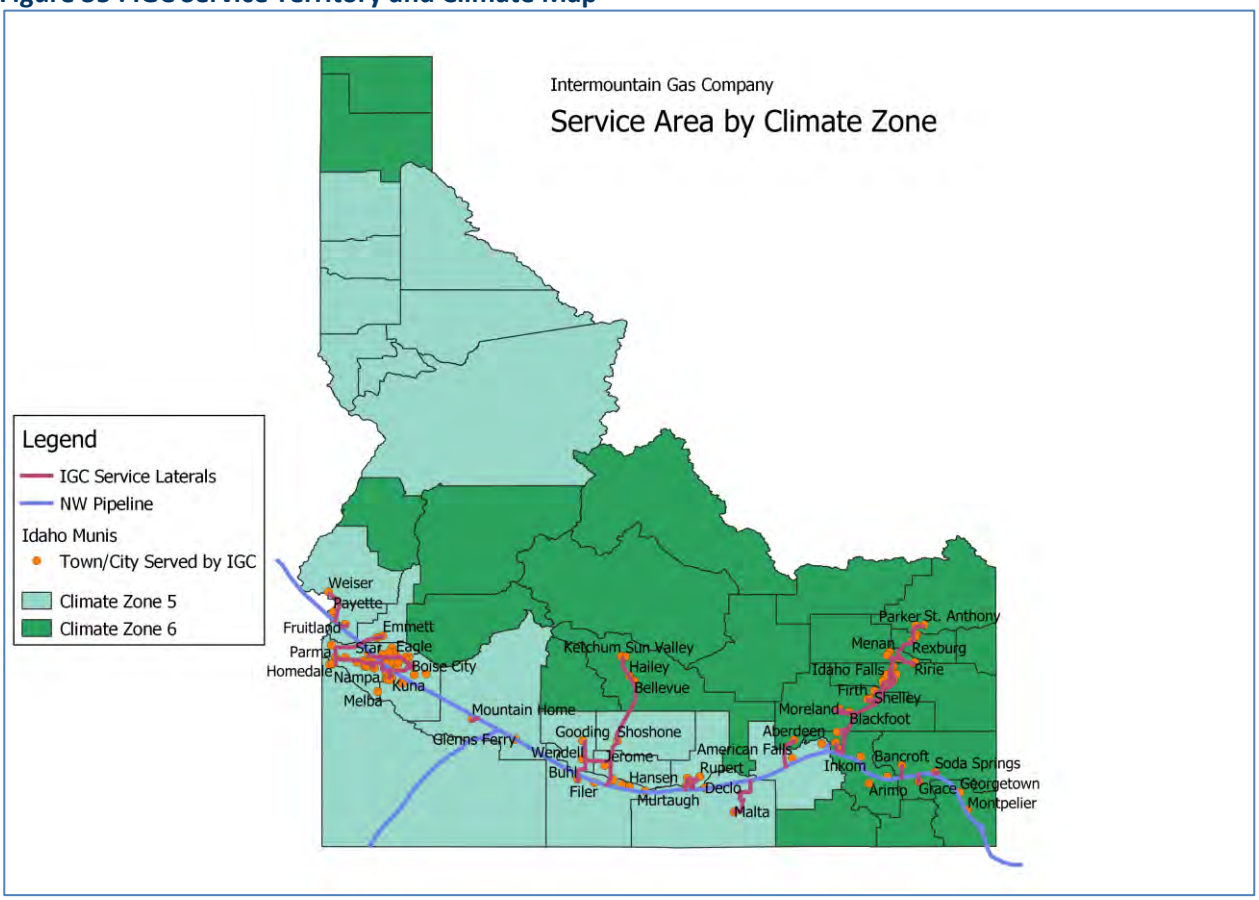
MEASURE	KEY ASSUMPTIONS
Natural Gas AC and Heat Pumps	**Measure definition**: Integrated gas heat pump water heater with space cooling operating with 140% AFUE. **Baseline definition:** A standard 80% AFUE/thermal efficiency commercial gas-fired water heating system as well as 14 SEER space cooling system. **Key assumptions:** The analysis focuses on the application of this technology to the commercial foodservice market, where there are sizable hot water loads as well as the need for some limited, concurrent space cooling. This is an excellent first market for this technology. Measure is based on a prototype unit still under active development and is subject to change based on future refinements in design and features. Assumes 2,500 gallons of hot water used per day. Assumes water heating operates 14.7 hours per day for 360 days per year. Assumes space cooling operates 10 hours per day for 151.5 days per year. Assumptions of measure performance are based on laboratory and field research to date. Assumes effective useful life of 14 years.
Natural Gas Engine Heat Pump Water Heaters	**Measure definition**: Natural gas, engine-driven, air-source heat pump water heater that captures and repurposes waste heat with a 1.2 to 1.8 coefficient of performance (COP), with an overall COP of 1.34. **Baseline definition:** Conventional gas-fired boiler with an efficiency of 0.671 DHW/ .731 HHW. **Key assumptions:** This analysis assumes application in one of the primary target markets with sufficient high hot water usage to ensure economic attractiveness, such as pool facilities, gymnasiums, inpatient healthcare, etc. The assumptions are based on the technology as designed in the Tecogen Ilios gas engine heat pump water heater. It is very important to note that energy savings for this technology are highly customized to the specific application. Hot water usage profiles, storage capacity, ambient temperatures, and a number of other factors affect performance and savings. For this analysis, a simple hybrid installation arrangement is assumed, with a conventional gas boiler providing back-up at times of especially high usage. It assumes limited need for adjustment or customization and that the companion boiler is already on-site and in working condition, i.e., no new equipment or installation costs associated with the conventional boiler. The heat pump is sized with a capacity closer to base load than peak load, which maximizes its use and efficiency. It assumes the technology is used for a multi-story residential-type living facility with approximately 180,000 square feet located in ASHRAE climate zone 4C. Assumes effective useful life of 20,000 hours per engine.

MEASURE	KEY ASSUMPTIONS
Efficient Cookware	**Measure definition**: Fin-bottomed stock pot. **Baseline definition:** Standard 12-inch diameter aluminum stock pot with a 24-quart capacity. **Key assumptions:** Assumes the improved heat transfer to the measure unit provides 50% cooking-energy efficiency as compared to the 27.5% cooking-energy efficiency for the standard pot. Performance based on laboratory testing completed at the Pacific Gas & Electric Foodservice Technology Center in 2008. Assumes effective useful life of 3 years.
Destratification Fans	**Measure definition**: This measure is for the installation of large diameter High Volume Low Speed (HVLS) destratification fans in warehouse-type spaces with high ceilings (retrofit only). **Baseline definition:** The HVLS fans are installed in buildings affected by destratification and where no other mechanisms that combat destratification are present. **Key assumptions:** The HVLS fans are designed to destratify the whole space. It is assumed that the building is heated by natural gas forced air space heating system including unit heaters operating without night setbacks. Assumes a useful life of 15 years. Assumes 4,880 heating hours per year on a 55°F basis, a heat transfer coefficient of 0.05 Btu/°F.h.ft² for the roof and 0.062 Btu/°F.h.ft² for the walls. Assumes a heating system efficiency of 80%.
Biodigesters	**Measure definition**: This measure consists of installing a biodigester in Idaho dairy farms with more than 3,000 cows. **Baseline definition:** Dairy farm without a biodigester on site. **Key assumptions:** Assumes installation of a biodigester (on-site use) combined with a CHP system to convert the biogas. The measure does not account for operation and maintenance costs and for any additional benefits for the farm such as selling of supplemental heat or electricity. Assumes a useful life of 15 years. Assumes the following efficiencies: 74% for the digester, 48% for heat conversion and 37% for electricity conversion. Assumes the production of 2m³ of biogas per cow per day and 8,000 operating hours per farm.

APPENDIX D. CLIMATE ZONE MAP

The IGC Potential Model will takes into considerations the two climate zones where IGC's customers are located. Specifically, the customer database was segmented into the respective climate zones, based on the following climate zone map.

Figure 35 : IGC Service Territory and Climate Map



For weather-dependent measures (heating system upgrades, insulations, etc.), each measure is distinctly included in the model to capture different saving levels for participants in each climate zone. Several of our measure characterizations are algorithm based, and explicitly take into considerations the heating degree days (HDD) to calculate savings; these measures will use the relevant HDDs for each zone, as presented in Table 20 below. Cooling Degree Days were also used for measures with secondary cooling impacts.

Table 20: Average HDD and CDD per Climate Zone (2011-2017)

Zone	HDDs	CDDs
Boise (Zone 5)	5,561	1,416
Idaho Falls (Zone 6)	7,737	799

For other climate dependent measures not explicitly using HDDs as part of their algorithm to calculate savings, state-wide averages were corrected based on the ratio of HDD in the target zone to the statewide average.

APPENDIX E. DSM PROGRAM CHARACTERIZATION DETAILS AND MODEL INPUTS

Table E-1: IGC Program Model Inputs Low Scenario

Initiative Name	Fixed Costs	Variable Costs ($/therm)	Percent Incentive	CE Threshold
Efficient New Home	90,000	0.42	35%	1
Existing Homes Incentives	1,000,000	0.73	35%	1
Home Energy Report	235,011	0.01	100%	1
Commercial Equipment Program	247,381	0.26	35%	1
Commercial Retrofit	325,000	0.46	35%	1

Table E-2: IGC Program Model Inputs Base Scenario

Initiative Name	Fixed Costs	Variable Costs ($/therm)	Percent Incentive	CE Threshold
Efficient New Home	90,000	0.42	50%	1
Existing Homes Incentives	1,000,000	0.73	50%	1
Home Energy Report	235,011	0.01	100%	1
Commercial Equipment Program	247,381	0.26	50%	1
Commercial Retrofit	325,000	0.46	50%	1

Table E-3: IGC Program Model Inputs Max Scenario

Initiative Name	Fixed Costs	Variable Costs ($/therm)	Percent Incentive	CE Threshold
Efficient New Home	99,000	0.46	65%	1
Existing Homes Incentives	1,100,000	0.80	65%	1
Home Energy Report	258,512	0.012	100%	1
Commercial Equipment Program	272,119	0.29	65%	1
Commercial Retrofit	370,000	0.51	65%	1

APPENDIX F. UCT RESULTS BY MEASURE

IGC_CPA_App F.xlsx

50 Ste-Catherine St. West, suite 420, Montreal, Quebec, Canada H2X 3V4 | T. 514.504.9030 | F. 514.289.2665 | info@dunsky.com
www.dunsky.com

Intermountain Gas Company

Avoided Cost Model

Integrated Resource Plan 2021 – 2026

INTERMOUNTAIN®
GAS COMPANY
A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®

Exhibit No. 5

INTERMOUNTAIN GAS COMPANY
Avoided Cost by Year

Line No.	Year	Nominal Cost Per Therm[1]	Real Percent Adjustment[2]	Real Cost Per Therm	Present Value[3]	Avoided Cost Per Therm[4]
	(a)	(b)	(c)	(d)	(e)	(f)
1	2020	$ 0.46		$ 0.46	$ 0.44	$ 0.46
2	2021	0.51	9.55%	0.50	0.90	0.48
3	2022	0.57	8.57%	0.55	1.37	0.50
4	2023	0.53	-7.67%	0.50	1.79	0.50
5	2024	0.53	-2.27%	0.49	2.18	0.50
6	2025	0.56	3.26%	0.51	2.57	0.50
7	2026	0.58	1.42%	0.52	2.94	0.50
8	2027	0.60	1.65%	0.52	3.31	0.51
9	2028	0.62	0.64%	0.53	3.66	0.51
10	2029	0.64	1.66%	0.54	4.00	0.51
11	2030	0.66	1.61%	0.54	4.33	0.51
12	2031	0.68	-0.14%	0.54	4.64	0.51
13	2032	0.69	0.53%	0.55	4.94	0.52
14	2033	0.72	2.40%	0.56	5.24	0.52
15	2034	0.75	1.08%	0.57	5.52	0.52
16	2035	0.77	1.27%	0.57	5.80	0.52
17	2036	0.80	1.42%	0.58	6.06	0.53
18	2037	0.81	-0.34%	0.58	6.32	0.53
19	2038	0.83	0.48%	0.58	6.56	0.53
20	2039	0.86	1.59%	0.59	6.80	0.53
21	2040	0.87	-0.62%	0.59	7.03	0.53
22	2041	0.90	0.51%	0.59	7.24	0.53
23	2042	0.92	0.51%	0.59	7.45	0.54
24	2043	0.94	0.51%	0.60	7.65	0.54
25	2044	0.96	0.51%	0.60	7.84	0.54
26	2045	0.99	0.52%	0.60	8.02	0.54
27	2046	1.01	0.52%	0.61	8.20	0.54
28	2047	1.04	0.52%	0.61	8.37	0.54
29	2048	1.07	0.52%	0.61	8.53	0.54
30	2049	1.09	0.52%	0.62	8.69	0.54

NOTES

[1] See Page 2, Column (e).

[2] The year over year percentage change in Column (b), adjusted by the inflation assumption on Page 11, Line 4, Column (b).

[3] The cumulative present value of Column (d) is calculated using the real discount rate on Page 11, Line 5, Column (b).

[4] Levelized avoided cost of Column (e) computed with the real discount rate on Page 11, Line 5, Column (b).

INTERMOUNTAIN GAS COMPANY
Nominal Avoided Cost by Year

Line No.	Year	Commodity Cost[1][2]	Variable Distribution Cost[3]	Transportation Cost[4]	Total Cost[5]
	(a)	(b)	(c)	(d)	(e)
1	2020	$ 0.25	$ -	$ 0.21	$ 0.46
2	2021	0.30	-	0.21	0.51
3	2022	0.35	-	0.22	0.57
4	2023	0.31	-	0.22	0.53
5	2024	0.31	-	0.23	0.53
6	2025	0.33	-	0.23	0.56
7	2026	0.35	-	0.24	0.58
8	2027	0.36	-	0.24	0.60
9	2028	0.37	-	0.24	0.62
10	2029	0.39	-	0.25	0.64
11	2030	0.41	-	0.25	0.66
12	2031	0.42	-	0.26	0.68
13	2032	0.43	-	0.26	0.69
14	2033	0.45	-	0.27	0.72
15	2034	0.47	-	0.28	0.75
16	2035	0.49	-	0.28	0.77
17	2036	0.51	-	0.29	0.80
18	2037	0.52	-	0.29	0.81
19	2038	0.53	-	0.30	0.83
20	2039	0.56	-	0.30	0.86
21	2040	0.56	-	0.31	0.87
22	2041	0.58	-	0.32	0.90
23	2042	0.59	-	0.32	0.92
24	2043	0.61	-	0.33	0.94
25	2044	0.63	-	0.34	0.96
26	2045	0.65	-	0.34	0.99
27	2046	0.66	-	0.35	1.01
28	2047	0.68	-	0.36	1.04
29	2048	0.70	-	0.36	1.07
30	2049	0.72	-	0.37	1.09

NOTES

[1] See Pages 3-9, Column (f). Nominalized then divided by 10 to convert units from dekatherms to therms.

[2] Annual growth after 2040 is tied to yearly percentage change of the prior period.

[3] Placeholder value of zero until a Variable Distribution Cost methodology is developed.

[4] See Page 10, Line 8, Column (d). Annual growth is tied to inflation assumption from Page 11, Line 4, Column (b).

[5] Sum of Columns (b)-(d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2020	10	$ 2.14	3%	$ 0.07	
2	2020	11	2.32	8%	0.19	
3	2020	12	4.29	16%	0.68	
4	2020	1	3.47	20%	0.69	
5	2020	2	1.97	16%	0.31	
6	2020	3	1.54	15%	0.22	
7	2020	4	1.31	10%	0.14	
8	2020	5	1.59	7%	0.11	
9	2020	6	1.54	3%	0.05	
10	2020	7	1.51	1%	0.02	
11	2020	8	1.72	0%	0.00	
12	2020	9	2.39	1%	0.01	$ 2.50
13	2021	10	2.46	3%	0.08	
14	2021	11	3.03	8%	0.25	
15	2021	12	3.17	16%	0.50	
16	2021	1	3.31	20%	0.66	
17	2021	2	2.76	16%	0.44	
18	2021	3	2.96	15%	0.43	
19	2021	4	2.44	10%	0.25	
20	2021	5	2.58	7%	0.17	
21	2021	6	2.75	3%	0.09	
22	2021	7	3.04	1%	0.03	
23	2021	8	3.24	0%	0.00	
24	2021	9	3.08	1%	0.02	$ 2.94
25	2022	10	3.07	3%	0.10	
26	2022	11	3.35	8%	0.27	
27	2022	12	4.01	16%	0.64	
28	2022	1	4.04	20%	0.80	
29	2022	2	3.85	16%	0.61	
30	2022	3	3.07	15%	0.45	
31	2022	4	2.26	10%	0.23	
32	2022	5	2.00	7%	0.13	
33	2022	6	2.25	3%	0.08	
34	2022	7	2.52	1%	0.03	
35	2022	8	2.59	0%	0.00	
36	2022	9	2.60	1%	0.02	$ 3.37

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2023	10	$ 2.57	3%	$ 0.09	
2	2023	11	2.91	8%	0.24	
3	2023	12	3.38	16%	0.54	
4	2023	1	3.43	20%	0.68	
5	2023	2	3.28	16%	0.52	
6	2023	3	2.80	15%	0.41	
7	2023	4	2.19	10%	0.23	
8	2023	5	1.95	7%	0.13	
9	2023	6	2.20	3%	0.07	
10	2023	7	2.37	1%	0.02	
11	2023	8	2.43	0%	0.00	
12	2023	9	2.54	1%	0.02	$ 2.95
13	2024	10	2.49	3%	0.08	
14	2024	11	2.92	8%	0.24	
15	2024	12	3.16	16%	0.50	
16	2024	1	3.18	20%	0.63	
17	2024	2	3.05	16%	0.49	
18	2024	3	2.70	15%	0.39	
19	2024	4	2.29	10%	0.24	
20	2024	5	2.05	7%	0.14	
21	2024	6	2.33	3%	0.08	
22	2024	7	2.35	1%	0.02	
23	2024	8	2.43	0%	0.00	
24	2024	9	2.62	1%	0.02	$ 2.83
25	2025	10	2.63	3%	0.09	
26	2025	11	2.93	8%	0.24	
27	2025	12	3.21	16%	0.51	
28	2025	1	3.34	20%	0.66	
29	2025	2	3.24	16%	0.52	
30	2025	3	3.01	15%	0.44	
31	2025	4	2.43	10%	0.25	
32	2025	5	2.32	7%	0.15	
33	2025	6	2.50	3%	0.09	
34	2025	7	2.54	1%	0.03	
35	2025	8	2.62	0%	0.00	
36	2025	9	2.72	1%	0.02	$ 2.99

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2026	10	$ 2.75	3%	$ 0.09	
2	2026	11	3.05	8%	0.25	
3	2026	12	3.29	16%	0.52	
4	2026	1	3.37	20%	0.67	
5	2026	2	3.24	16%	0.52	
6	2026	3	2.96	15%	0.43	
7	2026	4	2.64	10%	0.27	
8	2026	5	2.52	7%	0.17	
9	2026	6	2.70	3%	0.09	
10	2026	7	2.74	1%	0.03	
11	2026	8	2.80	0%	0.00	
12	2026	9	2.90	1%	0.02	$ 3.07
13	2027	10	2.93	3%	0.10	
14	2027	11	3.21	8%	0.26	
15	2027	12	3.40	16%	0.54	
16	2027	1	3.43	20%	0.68	
17	2027	2	3.28	16%	0.52	
18	2027	3	3.07	15%	0.45	
19	2027	4	2.71	10%	0.28	
20	2027	5	2.59	7%	0.17	
21	2027	6	2.78	3%	0.09	
22	2027	7	2.79	1%	0.03	
23	2027	8	2.87	0%	0.00	
24	2027	9	2.99	1%	0.02	$ 3.15
25	2028	10	3.02	3%	0.10	
26	2028	11	3.29	8%	0.27	
27	2028	12	3.48	16%	0.55	
28	2028	1	3.47	20%	0.69	
29	2028	2	3.29	16%	0.52	
30	2028	3	3.09	15%	0.45	
31	2028	4	2.71	10%	0.28	
32	2028	5	2.57	7%	0.17	
33	2028	6	2.78	3%	0.09	
34	2028	7	2.81	1%	0.03	
35	2028	8	2.89	0%	0.00	
36	2028	9	3.00	1%	0.02	$ 3.18

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2029	10	$ 3.03	3%	$ 0.10	
2	2029	11	3.31	8%	0.27	
3	2029	12	3.50	16%	0.56	
4	2029	1	3.62	20%	0.72	
5	2029	2	3.42	16%	0.54	
6	2029	3	3.18	15%	0.46	
7	2029	4	2.79	10%	0.29	
8	2029	5	2.69	7%	0.18	
9	2029	6	2.86	3%	0.10	
10	2029	7	2.88	1%	0.03	
11	2029	8	2.98	0%	0.00	
12	2029	9	3.07	1%	0.02	$ 3.27
13	2030	10	3.11	3%	0.10	
14	2030	11	3.40	8%	0.28	
15	2030	12	3.58	16%	0.57	
16	2030	1	3.68	20%	0.73	
17	2030	2	3.52	16%	0.56	
18	2030	3	3.26	15%	0.48	
19	2030	4	2.88	10%	0.30	
20	2030	5	2.79	7%	0.18	
21	2030	6	2.95	3%	0.10	
22	2030	7	3.01	1%	0.03	
23	2030	8	3.10	0%	0.00	
24	2030	9	3.18	1%	0.02	$ 3.36
25	2031	10	3.21	3%	0.11	
26	2031	11	3.48	8%	0.29	
27	2031	12	3.66	16%	0.58	
28	2031	1	3.64	20%	0.73	
29	2031	2	3.48	16%	0.55	
30	2031	3	3.22	15%	0.47	
31	2031	4	2.84	10%	0.29	
32	2031	5	2.73	7%	0.18	
33	2031	6	2.90	3%	0.10	
34	2031	7	2.95	1%	0.03	
35	2031	8	3.05	0%	0.00	
36	2031	9	3.13	1%	0.02	$ 3.35

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2032	10	$ 3.16	3%	$ 0.11	
2	2032	11	3.38	8%	0.28	
3	2032	12	3.57	16%	0.57	
4	2032	1	3.73	20%	0.74	
5	2032	2	3.50	16%	0.56	
6	2032	3	3.31	15%	0.48	
7	2032	4	2.92	10%	0.30	
8	2032	5	2.83	7%	0.19	
9	2032	6	3.00	3%	0.10	
10	2032	7	3.03	1%	0.03	
11	2032	8	3.12	0%	0.00	
12	2032	9	3.22	1%	0.02	$ 3.38
13	2033	10	3.26	3%	0.11	
14	2033	11	3.50	8%	0.29	
15	2033	12	3.69	16%	0.59	
16	2033	1	3.86	20%	0.77	
17	2033	2	3.67	16%	0.58	
18	2033	3	3.43	15%	0.50	
19	2033	4	3.05	10%	0.32	
20	2033	5	2.96	7%	0.20	
21	2033	6	3.14	3%	0.11	
22	2033	7	3.15	1%	0.03	
23	2033	8	3.26	0%	0.00	
24	2033	9	3.35	1%	0.02	$ 3.51
25	2034	10	3.41	3%	0.11	
26	2034	11	3.66	8%	0.30	
27	2034	12	3.85	16%	0.61	
28	2034	1	3.88	20%	0.77	
29	2034	2	3.68	16%	0.59	
30	2034	3	3.46	15%	0.50	
31	2034	4	3.08	10%	0.32	
32	2034	5	2.99	7%	0.20	
33	2034	6	3.16	3%	0.11	
34	2034	7	3.18	1%	0.03	
35	2034	8	3.29	0%	0.00	
36	2034	9	3.38	1%	0.02	$ 3.57

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2035	10	$ 3.43	3%	$ 0.11	
2	2035	11	3.69	8%	0.30	
3	2035	12	3.89	16%	0.62	
4	2035	1	3.96	20%	0.79	
5	2035	2	3.77	16%	0.60	
6	2035	3	3.56	15%	0.52	
7	2035	4	3.17	10%	0.33	
8	2035	5	3.04	7%	0.20	
9	2035	6	3.24	3%	0.11	
10	2035	7	3.24	1%	0.03	
11	2035	8	3.34	0%	0.00	
12	2035	9	3.49	1%	0.02	$ 3.64
13	2036	10	3.51	3%	0.12	
14	2036	11	3.76	8%	0.31	
15	2036	12	3.97	16%	0.63	
16	2036	1	4.12	20%	0.82	
17	2036	2	3.82	16%	0.61	
18	2036	3	3.61	15%	0.53	
19	2036	4	3.22	10%	0.33	
20	2036	5	3.12	7%	0.21	
21	2036	6	3.29	3%	0.11	
22	2036	7	3.29	1%	0.03	
23	2036	8	3.39	0%	0.00	
24	2036	9	3.54	1%	0.02	$ 3.72
25	2037	10	3.56	3%	0.12	
26	2037	11	3.85	8%	0.32	
27	2037	12	4.05	16%	0.64	
28	2037	1	4.11	20%	0.82	
29	2037	2	3.77	16%	0.60	
30	2037	3	3.52	15%	0.51	
31	2037	4	3.13	10%	0.33	
32	2037	5	3.04	7%	0.20	
33	2037	6	3.23	3%	0.11	
34	2037	7	3.22	1%	0.03	
35	2037	8	3.30	0%	0.00	
36	2037	9	3.46	1%	0.02	$ 3.70

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY

Commodity Cost

Line No.	Heating Year	Month	Weighted Basin Price Forecast[1]	HDD Weight[2]	HDD Factor[3]	Commodity Cost
	(a)	(b)	(c)	(d)	(e)	(f)
1	2038	10	$ 3.48	3%	$ 0.12	
2	2038	11	3.83	8%	0.31	
3	2038	12	4.03	16%	0.64	
4	2038	1	4.08	20%	0.81	
5	2038	2	3.84	16%	0.61	
6	2038	3	3.61	15%	0.53	
7	2038	4	3.23	10%	0.34	
8	2038	5	3.09	7%	0.20	
9	2038	6	3.32	3%	0.11	
10	2038	7	3.31	1%	0.03	
11	2038	8	3.40	0%	0.00	
12	2038	9	3.56	1%	0.02	$ 3.73
13	2039	10	3.57	3%	0.12	
14	2039	11	3.97	8%	0.33	
15	2039	12	4.13	16%	0.66	
16	2039	1	4.23	20%	0.84	
17	2039	2	3.91	16%	0.62	
18	2039	3	3.65	15%	0.53	
19	2039	4	3.27	10%	0.34	
20	2039	5	3.17	7%	0.21	
21	2039	6	3.39	3%	0.12	
22	2039	7	3.39	1%	0.03	
23	2039	8	3.46	0%	0.00	
24	2039	9	3.60	1%	0.02	$ 3.82
25	2040	10	3.63	3%	0.12	
26	2040	11	4.00	8%	0.33	
27	2040	12	4.18	16%	0.66	
28	2040	1	4.09	20%	0.82	
29	2040	2	3.82	16%	0.61	
30	2040	3	3.61	15%	0.53	
31	2040	4	3.26	10%	0.34	
32	2040	5	3.21	7%	0.21	
33	2040	6	3.37	3%	0.11	
34	2040	7	3.39	1%	0.03	
35	2040	8	3.45	0%	0.00	
36	2040	9	3.57	1%	0.02	$ 3.79

NOTES

[1] Weighted average price forecast for AECO, Sumas, and Rockies supply basins.

[2] Monthly HDD65 weighting. Based on a normal weather year.

[3] Column (c) times Column (d).

INTERMOUNTAIN GAS COMPANY
Avoided Gas Transportation Cost

Line No.	Description	RS	GS-1	Combined RS and GS-1
	(a)	(b)	(c)	(d)
1	Gas Transportation Costs[1]	$ 45,923,915	$ 21,903,023	$ 67,826,938
2	Estimated Sales Volumes (10/1/20 - 9/30/21)[2]	261,036,059	132,540,280	393,576,339
3	RS and GS-1 Combined Gas Transportation Cost per Therm			$ 0.17233
4	Incremental Gas Transportation Costs[3]	$ (722,301)	$ (344,494)	$ (1,066,795)
5	Normalized Sales Volumes (1/1/19 - 12/31/19)[4]	256,038,479	128,439,528	384,478,007
6	RS and GS-1 Combined Gas Transportation Cost per Therm			$ (0.00277)
7	Gas Transportation Cost[5]			$ 0.03937
8	**Total RS and GS-1 Combined Gas Transportation Cost per Therm**			$ 0.20893

NOTES

[1] See Case No. INT-G-20-05, Exhibit No. 6, Line 21, Columns (e) and (f).

[2] See Case No. INT-G-20-05, Exhibit No. 6, Line 22, Columns (e) and (f).

[3] See Case No. INT-G-20-05, Exhibit No. 5, the sum of Lines 1-20, Columns (i) and (j).

[4] See Case No. INT-G-20-05, Exhibit No. 5, Line 24, Columns (i) and (j).

[5] See Case No. INT-G-20-05, Workpaper No. 8, Page 1.

INTERMOUNTAIN GAS COMPANY
Discount Rate

Line No.	Description	Value	Ratio	Weighting	W/Tax benefit
	(a)	(b)	(c)	(d)	(e)
1	Debt[1]	4.94%	50%	2.50%	1.98% [2]
2	Equity[1]	9.50%	50%	4.80%	4.80%
3	Weighted Average Cost of Capital				6.78%
4	Inflation Assumption	2.0%			
5	Real Discount Rate	4.68%			

NOTES

[1] Costs and weightings from Case No. INT-G-16-02, Order No. 33757.

[2] Tax benefit adjusts for 21% federal tax.

Intermountain Gas Company

Capacity Enhancement Alternatives NPV by AOI

Integrated Resource Plan 2021 – 2026

Exhibit No. 6

Intermountain Gas Company
Canyon County AOI
Net Present Value

Alternative #	1	2	3	4
Alternative Description	Ustick Phase II	Ustick Phase III	Ustick Uprate	8 inch HP extension north
Net Present Value	($3,255,074.59)	($8,613,402.92)	($1,300,000.00)	($6,551,492.43)
Year 0	$ (3,190,000)	$ (8,480,000)	$ (1,300,000)	$ (6,340,000)
Year 1	$ (5,185)	$ (10,630)	$ -	$ (16,853)
Year 2	$ (5,289)	$ (10,843)	$ -	$ (17,190)
Year 3	$ (5,395)	$ (11,060)	$ -	$ (17,533)
Year 4	$ (5,503)	$ (11,281)	$ -	$ (17,884)
Year 5	$ (5,613)	$ (11,506)	$ -	$ (18,242)
Year 6	$ (5,725)	$ (11,737)	$ -	$ (18,607)
Year 7	$ (5,840)	$ (11,971)	$ -	$ (18,979)
Year 8	$ (5,956)	$ (12,211)	$ -	$ (19,358)
Year 9	$ (6,076)	$ (12,455)	$ -	$ (19,746)
Year 10	$ (6,197)	$ (12,704)	$ -	$ (20,140)
Year 11	$ (6,321)	$ (12,958)	$ -	$ (20,543)
Year 12	$ (6,447)	$ (13,217)	$ -	$ (20,954)
Year 13	$ (6,576)	$ (13,482)	$ -	$ (21,373)
Year 14	$ (6,708)	$ (13,751)	$ -	$ (21,801)
Year 15	$ (6,842)	$ (14,026)	$ -	$ (22,237)
Year 16	$ (6,979)	$ (14,307)	$ -	$ (22,681)
Year 17	$ (7,118)	$ (14,593)	$ -	$ (23,135)
Year 18	$ (7,261)	$ (14,885)	$ -	$ (23,598)
Year 19	$ (7,406)	$ (15,182)	$ -	$ (24,070)
Year 20	$ (7,554)	$ (15,486)	$ -	$ (24,551)

Intermountain Gas Company
State Street AOI
Net Present Value

Alternative #	1	2
Alternative Description	State Street Phase II Uprate	Replace 12 inch HP on State St and 4 inch HP on Linder Rd
Net Present Value	($2,030,591.75)	($5,536,656.65)
Year 0	$ (2,000,000)	$ (5,400,000)
Year 1	$ (2,438)	$ (10,889)
Year 2	$ (2,486)	$ (11,107)
Year 3	$ (2,536)	$ (11,329)
Year 4	$ (2,587)	$ (11,556)
Year 5	$ (2,639)	$ (11,787)
Year 6	$ (2,691)	$ (12,023)
Year 7	$ (2,745)	$ (12,263)
Year 8	$ (2,800)	$ (12,509)
Year 9	$ (2,856)	$ (12,759)
Year 10	$ (2,913)	$ (13,014)
Year 11	$ (2,972)	$ (13,274)
Year 12	$ (3,031)	$ (13,540)
Year 13	$ (3,092)	$ (13,810)
Year 14	$ (3,153)	$ (14,087)
Year 15	$ (3,216)	$ (14,368)
Year 16	$ (3,281)	$ (14,656)
Year 17	$ (3,346)	$ (14,949)
Year 18	$ (3,413)	$ (15,248)
Year 19	$ (3,482)	$ (15,553)
Year 20	$ (3,551)	$ (15,864)

Intermountain Gas Company
Ada County AOI
Net Present Value

Alternative #	1	2	3
Alternative Description	12 inch South Boise Loop	Uprate 10 inch HP on Meridian and Victory Rd	Compressor Station at Victory and Cloverdale Rd
Net Present Value	($10,321,364.12)	($2,034,763.35)	($12,807,602.46)
Year 0	$ (10,200,000)	$ (2,000,000)	$ (12,000,000)
Year 1	$ (9,671)	$ (2,770)	$ (64,353)
Year 2	$ (9,864)	$ (2,825)	$ (65,640)
Year 3	$ (10,062)	$ (2,882)	$ (66,953)
Year 4	$ (10,263)	$ (2,940)	$ (68,292)
Year 5	$ (10,468)	$ (2,998)	$ (69,658)
Year 6	$ (10,677)	$ (3,058)	$ (71,051)
Year 7	$ (10,891)	$ (3,120)	$ (72,472)
Year 8	$ (11,109)	$ (3,182)	$ (73,922)
Year 9	$ (11,331)	$ (3,246)	$ (75,400)
Year 10	$ (11,558)	$ (3,311)	$ (76,908)
Year 11	$ (11,789)	$ (3,377)	$ (78,446)
Year 12	$ (12,024)	$ (3,444)	$ (80,015)
Year 13	$ (12,265)	$ (3,513)	$ (81,616)
Year 14	$ (12,510)	$ (3,583)	$ (83,248)
Year 15	$ (12,760)	$ (3,655)	$ (84,913)
Year 16	$ (13,016)	$ (3,728)	$ (86,611)
Year 17	$ (13,276)	$ (3,803)	$ (88,343)
Year 18	$ (13,541)	$ (3,879)	$ (90,110)
Year 19	$ (13,812)	$ (3,956)	$ (91,912)
Year 20	$ (14,089)	$ (4,036)	$ (93,751)

Intermountain Gas Company
Sun Valley Lateral AOI
Net Present Value

Alternative #	1
Alternative Description	Shoshone Compressor Station
Net Present Value	($5,807,602.46)
Year 0	$ (5,000,000)
Year 1	$ (64,353)
Year 2	$ (65,640)
Year 3	$ (66,953)
Year 4	$ (68,292)
Year 5	$ (69,658)
Year 6	$ (71,051)
Year 7	$ (72,472)
Year 8	$ (73,922)
Year 9	$ (75,400)
Year 10	$ (76,908)
Year 11	$ (78,446)
Year 12	$ (80,015)
Year 13	$ (81,616)
Year 14	$ (83,248)
Year 15	$ (84,913)
Year 16	$ (86,611)
Year 17	$ (88,343)
Year 18	$ (90,110)
Year 19	$ (91,912)
Year 20	$ (93,751)

Intermountain Gas Company
Idaho Falls Lateral AOI
Net Present Value

Alternative #	1	2
Alternative Description	Blackfoot Compressor Station	Phase VI with a second LNG tank at Rexburg
Net Present Value	($15,807,602.46)	($23,246,006.08)
Year 0	$ (15,000,000)	$ (23,100,000)
Year 1	$ (64,353)	$ (11,634)
Year 2	$ (65,640)	$ (11,867)
Year 3	$ (66,953)	$ (12,104)
Year 4	$ (68,292)	$ (12,347)
Year 5	$ (69,658)	$ (12,593)
Year 6	$ (71,051)	$ (12,845)
Year 7	$ (72,472)	$ (13,102)
Year 8	$ (73,922)	$ (13,364)
Year 9	$ (75,400)	$ (13,632)
Year 10	$ (76,908)	$ (13,904)
Year 11	$ (78,446)	$ (14,182)
Year 12	$ (80,015)	$ (14,466)
Year 13	$ (81,616)	$ (14,755)
Year 14	$ (83,248)	$ (15,050)
Year 15	$ (84,913)	$ (15,351)
Year 16	$ (86,611)	$ (15,658)
Year 17	$ (88,343)	$ (15,972)
Year 18	$ (90,110)	$ (16,291)
Year 19	$ (91,912)	$ (16,617)
Year 20	$ (93,751)	$ (16,949)

Intermountain Gas Company

Load Demand Curves by AOI

Design Base Case

Integrated Resource Plan 2021 – 2026

INTERMOUNTAIN®
GAS COMPANY
A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®

Exhibit No. 7

Idaho Falls Design Weather - Base Price

2021 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	575,605	659,711	1,235,316	46,047	24,766	21,281
	11	737,794	638,430	1,376,224	50,316	29,035	21,281
	12	1,141,440	659,711	1,801,151	60,938	39,657	21,281
	1	1,362,025	659,711	2,021,736	84,207	62,926	21,281
	2	1,091,712	595,868	1,687,580	64,581	43,300	21,281
	3	926,495	659,711	1,586,206	59,037	37,756	21,281
	4	440,815	638,430	1,079,245	38,604	17,323	21,281
	5	292,278	659,711	951,989	34,386	13,105	21,281
	6	167,968	638,430	806,398	28,731	7,450	21,281
	7	98,693	659,711	758,404	24,469	3,188	21,281
	8	142,026	659,711	801,737	30,223	8,942	21,281
	9	353,544	638,430	991,974	38,155	16,874	21,281
TOTAL		7,330,393	7,767,565	15,097,958			
* Includes LV-1 and T-4			Maximum Deliverability				90,400
			Peak Day SENDOUT				84,207
			Amount Exceeding Max Del.				-

2022 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	594,940	659,711	1,254,651	46,877	25,596	21,281
	11	762,498	638,430	1,400,928	51,286	30,005	21,281
	12	1,179,539	659,711	1,839,250	62,260	40,979	21,281
	1	1,404,923	659,711	2,064,634	86,218	64,937	21,281
	2	1,125,162	595,868	1,721,030	65,927	44,646	21,281
	3	953,816	659,711	1,613,527	60,179	38,898	21,281
	4	452,539	638,430	1,090,969	39,081	17,800	21,281
	5	299,149	659,711	958,860	34,723	13,442	21,281
	6	171,030	638,430	809,460	28,889	7,608	21,281
	7	99,573	659,711	759,284	24,496	3,215	21,281
	8	144,050	659,711	803,761	30,408	9,127	21,281
	9	361,335	638,430	999,765	38,552	17,271	21,281
TOTAL		7,548,555	7,767,565	15,316,120			
* Includes LV-1 and T-4			Maximum Deliverability				90,400
			Peak Day SENDOUT				86,218
			Amount Exceeding Max Del.				-

2023 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	608,900	661,261	1,270,161	47,542	26,211	21,331
	11	780,509	639,930	1,420,439	52,048	30,717	21,331
	12	1,207,608	661,261	1,868,869	63,277	41,946	21,331
	1	1,437,430	661,261	2,098,691	87,810	66,479	21,331
	2	1,150,905	597,268	1,748,173	67,008	45,677	21,331
	3	974,975	661,261	1,636,236	61,116	39,785	21,331
	4	461,184	639,930	1,101,114	39,487	18,156	21,331
	5	303,846	661,261	965,107	35,020	13,689	21,331
	6	172,596	639,930	812,526	29,039	7,708	21,331
	7	99,252	661,261	760,513	24,536	3,205	21,331
	8	144,847	661,261	806,108	30,596	9,265	21,331
	9	367,684	639,930	1,007,614	38,945	17,614	21,331
TOTAL		7,709,736	7,785,815	15,495,551			
* Includes LV-1 and T-4			Maximum Deliverability**				109,300
**Includes the completion of planned resources			Peak Day SENDOUT				87,810
			Amount Exceeding Max Del.				-

2024				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	621,380	661,261	1,282,641	48,109	26,778	21,331
	11	797,391	639,930	1,437,321	52,729	31,398	21,331
	12	1,235,131	661,261	1,896,392	64,240	42,909	21,331
	1	1,469,850	661,261	2,131,111	89,360	68,029	21,331
	2	1,179,456	618,599	1,798,055	68,033	46,702	21,331
	3	995,585	661,261	1,656,846	61,990	40,659	21,331
	4	469,087	639,930	1,109,017	39,820	18,489	21,331
	5	307,707	661,261	968,968	35,241	13,910	21,331
	6	173,328	639,930	813,258	29,111	7,780	21,331
	7	98,065	661,261	759,326	24,498	3,167	21,331
	8	144,738	661,261	805,999	30,702	9,371	21,331
	9	372,989	639,930	1,012,919	39,250	17,919	21,331
TOTAL		7,864,706	7,807,146	15,671,852			
* Includes LV-1 and T-4			Maximum Deliverability**				109,300
**Includes the completion of planned resources			Peak Day SENDOUT				89,360
			Amount Exceeding Max Del.				-

2025				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	632,534	661,261	1,293,795	48,627	27,296	21,331
	11	812,719	639,930	1,452,649	53,352	32,021	21,331
	12	1,260,480	661,261	1,921,741	65,124	43,793	21,331
	1	1,498,986	661,261	2,160,247	90,779	69,448	21,331
	2	1,199,067	597,268	1,796,335	68,955	47,624	21,331
	3	1,013,532	661,261	1,674,793	62,767	41,436	21,331
	4	475,000	639,930	1,114,930	40,084	18,753	21,331
	5	309,717	661,261	970,978	35,398	14,067	21,331
	6	172,398	639,930	812,328	29,126	7,795	21,331
	7	95,235	661,261	756,496	24,406	3,075	21,331
	8	142,973	661,261	804,234	30,753	9,422	21,331
	9	376,600	639,930	1,016,530	39,495	18,164	21,331
TOTAL		7,989,242	7,785,815	15,775,057			
* Includes LV-1 and T-4			Maximum Deliverability**				109,300
**Includes the completion of planned resources			Peak Day SENDOUT				90,779
			Amount Exceeding Max Del.				-

2026				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	641,889	662,811	1,304,700	49,135	27,754	21,381
	11	826,316	641,430	1,467,746	53,967	32,586	21,381
	12	1,284,064	662,811	1,946,875	66,008	44,627	21,381
	1	1,526,767	662,811	2,189,578	92,206	70,825	21,381
	2	1,220,644	598,668	1,819,312	69,885	48,504	21,381
	3	1,030,272	662,811	1,693,083	63,557	42,176	21,381
	4	479,666	641,430	1,121,096	40,356	18,975	21,381
	5	310,409	662,811	973,220	35,563	14,182	21,381
	6	170,163	641,430	811,593	29,148	7,767	21,381
	7	91,032	662,811	753,843	24,321	2,940	21,381
	8	139,863	662,811	802,674	30,813	9,432	21,381
	9	379,043	641,430	1,020,473	39,755	18,374	21,381
TOTAL		8,100,127	7,804,065	15,904,192			
* Includes LV-1 and T-4			Maximum Deliverability**				109,300
**Includes the completion of planned resources			Peak Day SENDOUT				92,206
			Amount Exceeding Max Del.				-

Sun Valley Design Weather - Base Price

2021				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	178,897	59,985	238,882	9,704	7,769	1,935
	11	236,978	58,050	295,028	11,444	9,509	1,935
	12	342,816	59,985	402,801	13,840	11,905	1,935
	1	413,349	59,985	473,334	20,341	18,406	1,935
	2	349,026	54,180	403,206	15,382	13,447	1,935
	3	304,760	59,985	364,745	14,102	12,167	1,935
	4	151,517	58,050	209,567	8,040	6,105	1,935
	5	96,677	59,985	156,662	6,091	4,156	1,935
	6	53,169	58,050	111,219	4,354	2,419	1,935
	7	21,350	59,985	81,335	2,828	893	1,935
	8	51,871	59,985	111,856	5,683	3,748	1,935
	9	122,667	58,050	180,717	7,665	5,730	1,935
TOTAL		2,323,078	706,275	3,029,353			
* Includes LV-1 and T-4			Maximum Deliverability				20,000
			Peak Day SENDOUT				20,341
			Amount Exceeding Max Del.				341

2022				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	182,982	59,985	242,967	9,881	7,946	1,935
	11	242,377	58,050	300,427	11,661	9,726	1,935
	12	350,611	59,985	410,596	14,111	12,176	1,935
	1	422,299	59,985	482,284	20,744	18,809	1,935
	2	356,356	54,180	410,536	15,668	13,733	1,935
	3	310,917	59,985	370,902	14,353	12,418	1,935
	4	154,342	58,050	212,392	8,157	6,222	1,935
	5	98,305	59,985	158,290	6,165	4,230	1,935
	6	53,906	58,050	111,956	4,392	2,457	1,935
	7	21,448	59,985	81,433	2,835	900	1,935
	8	52,504	59,985	112,489	5,740	3,805	1,935
	9	124,516	58,050	182,566	7,755	5,820	1,935
TOTAL		2,370,563	706,275	3,076,838			
* Includes LV-1 and T-4			Maximum Deliverability**				24,750
**Includes the completion of planned resources			Peak Day SENDOUT				20,744
			Amount Exceeding Max Del.				0

2023				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	185,764	59,985	245,749	10,003	8,068	1,935
	11	246,027	58,050	304,077	11,807	9,872	1,935
	12	355,805	59,985	415,790	14,288	12,353	1,935
	1	428,303	59,985	488,288	21,018	19,083	1,935
	2	361,402	54,180	415,582	15,863	13,928	1,935
	3	315,220	59,985	375,205	14,529	12,594	1,935
	4	156,246	58,050	214,296	8,237	6,302	1,935
	5	99,328	59,985	159,313	6,214	4,279	1,935
	6	54,258	58,050	112,308	4,414	2,479	1,935
	7	21,280	59,985	81,265	2,833	898	1,935
	8	52,821	59,985	112,806	5,783	3,848	1,935
	9	125,973	58,050	184,023	7,830	5,895	1,935
TOTAL		2,402,427	706,275	3,108,702			
* Includes LV-1 and T-4			Maximum Deliverability**				24,750
**Includes the completion of planned resources			Peak Day SENDOUT				21,018
			Amount Exceeding Max Del.				0

2024 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	188,166	59,985	248,151	10,113	8,178	1,935
	11	249,393	58,050	307,443	11,945	10,010	1,935
	12	360,882	59,985	420,867	14,466	12,531	1,935
	1	434,328	59,985	494,313	21,295	19,360	1,935
	2	367,111	56,115	423,226	16,060	14,125	1,935
	3	319,504	59,985	379,489	14,705	12,770	1,935
	4	158,043	58,050	216,093	8,314	6,379	1,935
	5	100,204	59,985	160,189	6,260	4,325	1,935
	6	54,442	58,050	112,492	4,431	2,496	1,935
	7	20,918	59,985	80,903	2,824	889	1,935
	8	52,964	59,985	112,949	5,822	3,887	1,935
	9	127,312	58,050	185,362	7,901	5,966	1,935
TOTAL		2,433,267	708,210	3,141,477			
* Includes LV-1 and T-4			Maximum Deliverability**				24,750
**Includes the completion of planned resources			Peak Day SENDOUT				21,295
			Amount Exceeding Max Del.				0

2025 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	190,485	59,985	250,470	10,222	8,287	1,935
	11	252,725	58,050	310,775	12,084	10,149	1,935
	12	365,996	59,985	425,981	14,645	12,710	1,935
	1	440,182	59,985	500,167	21,569	19,634	1,935
	2	371,216	54,180	425,396	16,248	14,313	1,935
	3	323,315	59,985	383,300	14,868	12,933	1,935
	4	159,375	58,050	217,425	8,376	6,441	1,935
	5	100,606	59,985	160,591	6,289	4,354	1,935
	6	54,193	58,050	112,243	4,432	2,497	1,935
	7	20,148	59,985	80,133	2,803	868	1,935
	8	52,620	59,985	112,605	5,840	3,905	1,935
	9	127,972	58,050	186,022	7,946	6,011	1,935
TOTAL		2,458,832	706,275	3,165,107			
* Includes LV-1 and T-4			Maximum Deliverability**				24,750
**Includes the completion of planned resources			Peak Day SENDOUT				21,569
			Amount Exceeding Max Del.				0

2026 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	191,886	59,985	251,871	10,294	8,359	1,935
	11	254,886	58,050	312,936	12,176	10,241	1,935
	12	369,436	59,985	429,421	14,766	12,831	1,935
	1	444,184	59,985	504,169	21,765	19,830	1,935
	2	374,574	54,180	428,754	16,380	14,445	1,935
	3	325,997	59,985	385,982	14,985	13,050	1,935
	4	160,058	58,050	218,108	8,413	6,478	1,935
	5	100,508	59,985	160,493	6,300	4,365	1,935
	6	53,546	58,050	111,596	4,420	2,485	1,935
	7	19,010	59,985	78,995	2,769	834	1,935
	8	51,930	59,985	111,915	5,848	3,913	1,935
	9	128,376	58,050	186,426	7,984	6,049	1,935
TOTAL		2,474,391	706,275	3,180,666			
* Includes LV-1 and T-4			Maximum Deliverability**				24,750
**Includes the completion of planned resources			Peak Day SENDOUT				21,765
			Amount Exceeding Max Del.				0

Canyon County Design Weather - Base Price

2021 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	565,291	766,940	1,332,231	52,186	27,446	24,740
	11	747,003	742,200	1,489,203	54,919	30,179	24,740
	12	1,183,760	766,940	1,950,700	66,386	41,646	24,740
	1	1,585,749	766,940	2,352,689	93,531	68,791	24,740
	2	1,020,381	692,720	1,713,101	65,735	40,995	24,740
	3	844,256	766,940	1,611,196	57,132	32,392	24,740
	4	401,546	742,200	1,143,746	41,398	16,658	24,740
	5	260,167	766,940	1,027,107	37,037	12,297	24,740
	6	123,079	742,200	865,279	29,969	5,229	24,740
	7	79,562	766,940	846,502	27,313	2,573	24,740
	8	99,848	766,940	866,788	31,849	7,109	24,740
	9	323,668	742,200	1,065,868	42,768	18,028	24,740
TOTAL		7,234,310	9,030,100	16,264,410			
* Includes LV-1 and T-4			Maximum Deliverability				103,200
			Peak Day SENDOUT				93,531
			Amount Exceeding Max Del.				0

2022 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	599,426	768,490	1,367,916	53,888	29,098	24,790
	11	791,863	743,700	1,535,563	56,777	31,987	24,790
	12	1,254,457	768,490	2,022,947	68,917	44,127	24,790
	1	1,676,505	768,490	2,444,995	97,546	72,756	24,790
	2	1,076,579	694,120	1,770,699	68,079	43,289	24,790
	3	888,870	768,490	1,657,360	58,931	34,141	24,790
	4	421,014	743,700	1,164,714	42,284	17,494	24,790
	5	271,532	768,490	1,040,022	37,666	12,876	24,790
	6	127,137	743,700	870,837	30,213	5,423	24,790
	7	81,209	768,490	849,699	27,414	2,624	24,790
	8	102,320	768,490	870,810	32,159	7,369	24,790
	9	336,318	743,700	1,080,018	43,568	18,778	24,790
TOTAL		7,627,230	9,048,350	16,675,580			
* Includes LV-1 and T-4			Maximum Deliverability				103,200
			Peak Day SENDOUT				97,546
			Amount Exceeding Max Del.				0

2023 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	623,754	768,490	1,392,244	55,087	30,297	24,790
	11	823,647	743,700	1,567,347	58,055	33,265	24,790
	12	1,304,181	768,490	2,072,671	70,641	45,851	24,790
	1	1,742,008	768,490	2,510,498	100,419	75,629	24,790
	2	1,117,892	694,120	1,812,012	69,752	44,962	24,790
	3	922,253	768,490	1,690,743	60,231	35,441	24,790
	4	435,444	743,700	1,179,144	42,906	18,116	24,790
	5	279,788	768,490	1,048,278	38,100	13,310	24,790
	6	129,612	743,700	873,312	30,344	5,554	24,790
	7	81,727	768,490	850,217	27,431	2,641	24,790
	8	103,693	768,490	872,183	32,368	7,578	24,790
	9	347,263	743,700	1,090,963	44,239	19,449	24,790
TOTAL		7,911,261	9,048,350	16,959,611			
* Includes LV-1 and T-4			Maximum Deliverability**				139,000
**Includes the completion of planned resources			Peak Day SENDOUT				100,419
			Amount Exceeding Max Del.				0

2024				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	646,246	768,490	1,414,736	56,225	31,435	24,790
	11	854,308	743,700	1,598,008	59,312	34,522	24,790
	12	1,354,180	768,490	2,122,670	72,406	47,616	24,790
	1	1,809,366	768,490	2,577,856	103,378	78,588	24,790
	2	1,162,847	718,910	1,881,757	71,469	46,679	24,790
	3	956,464	768,490	1,724,954	61,565	36,775	24,790
	4	450,053	743,700	1,193,753	43,538	18,748	24,790
	5	288,001	768,490	1,056,491	38,538	13,748	24,790
	6	131,865	743,700	875,565	30,469	5,679	24,790
	7	81,950	768,490	850,440	27,438	2,648	24,790
	8	104,791	768,490	873,281	32,573	7,783	24,790
	9	358,199	743,700	1,101,899	44,919	20,129	24,790
TOTAL		8,198,271	9,073,140	17,271,411			
* Includes LV-1 and T-4			Maximum Deliverability**				139,000
**Includes the completion of planned resources			Peak Day SENDOUT				103,378
			Amount Exceeding Max Del.				0

2025				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	669,008	768,490	1,437,498	57,381	32,591	24,790
	11	885,431	743,700	1,629,131	60,590	35,800	24,790
	12	1,405,061	768,490	2,173,551	74,198	49,408	24,790
	1	1,876,610	768,490	2,645,100	106,343	81,553	24,790
	2	1,201,493	694,120	1,895,613	73,158	48,368	24,790
	3	988,666	768,490	1,757,156	62,839	38,049	24,790
	4	462,932	743,700	1,206,632	44,112	19,322	24,790
	5	294,545	768,490	1,063,035	38,915	14,125	24,790
	6	132,767	743,700	876,467	30,545	5,755	24,790
	7	80,884	768,490	849,374	27,403	2,613	24,790
	8	104,426	768,490	872,916	32,708	7,918	24,790
	9	366,280	743,700	1,109,980	45,458	20,668	24,790
TOTAL		8,468,104	9,048,350	17,516,454			
* Includes LV-1 and T-4			Maximum Deliverability**				139,000
**Includes the completion of planned resources			Peak Day SENDOUT				106,343
			Amount Exceeding Max Del.				0

2026				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	686,788	768,490	1,455,278	58,302	33,512	24,790
	11	909,737	743,700	1,653,437	61,588	36,798	24,790
	12	1,444,754	768,490	2,213,244	75,593	50,803	24,790
	1	1,929,835	768,490	2,698,325	108,707	83,917	24,790
	2	1,234,219	694,120	1,928,339	74,497	49,707	24,790
	3	1,014,304	768,490	1,782,794	63,857	39,067	24,790
	4	472,633	743,700	1,216,333	44,554	19,764	24,790
	5	298,953	768,490	1,067,443	39,197	14,407	24,790
	6	132,418	743,700	876,118	30,574	5,784	24,790
	7	78,819	768,490	847,309	27,336	2,546	24,790
	8	103,045	768,490	871,535	32,798	8,008	24,790
	9	372,763	743,700	1,116,463	45,924	21,134	24,790
TOTAL		8,678,267	9,048,350	17,726,617			
* Includes LV-1 and T-4			Maximum Deliverability**				139,000
**Includes the completion of planned resources			Peak Day SENDOUT				108,707
			Amount Exceeding Max Del.				0

State Street Design Weather - Base Price

2021 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	578,588	30,690	609,278	29,086	28,096	990
	11	763,554	29,700	793,254	31,820	30,830	990
	12	1,208,316	30,690	1,239,006	43,459	42,469	990
	1	1,615,641	30,690	1,646,331	71,104	70,114	990
	2	1,036,841	27,720	1,064,561	42,692	41,702	990
	3	855,534	30,690	886,224	33,859	32,869	990
	4	405,027	29,700	434,727	17,823	16,833	990
	5	261,103	30,690	291,793	13,373	12,383	990
	6	122,242	29,700	151,942	6,204	5,214	990
	7	78,080	30,690	108,770	3,512	2,522	990
	8	98,262	30,690	128,952	8,059	7,069	990
	9	322,423	29,700	352,123	18,988	17,998	990
TOTAL		7,345,613	361,350	7,706,963			
* Includes LV-1 and T-4			Maximum Deliverability				82,000
			Peak Day SENDOUT				71,104
			Amount Exceeding Max Del.				0

2022 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	597,482	30,690	628,172	30,001	29,011	990
	11	788,400	29,700	818,100	32,821	31,831	990
	12	1,247,495	30,690	1,278,185	44,834	43,844	990
	1	1,664,895	30,690	1,695,585	73,274	72,284	990
	2	1,067,678	27,720	1,095,398	43,944	42,954	990
	3	880,225	30,690	910,915	34,826	33,836	990
	4	415,243	29,700	444,943	18,271	17,281	990
	5	266,567	30,690	297,257	13,677	12,687	990
	6	123,308	29,700	153,008	6,276	5,286	990
	7	77,620	30,690	108,310	3,497	2,507	990
	8	98,457	30,690	129,147	8,191	7,201	990
	9	329,981	29,700	359,681	19,475	18,485	990
TOTAL		7,557,350	361,350	7,918,700			
* Includes LV-1 and T-4			Maximum Deliverability				82,000
			Peak Day SENDOUT				73,274
			Amount Exceeding Max Del.				0

2023 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	613,863	30,690	644,553	30,845	29,855	990
	11	811,075	29,700	840,775	33,757	32,767	990
	12	1,284,973	30,690	1,315,663	46,160	45,170	990
	1	1,715,455	30,690	1,746,145	75,508	74,518	990
	2	1,099,199	27,720	1,126,919	45,226	44,236	990
	3	905,332	30,690	936,022	35,813	34,823	990
	4	425,374	29,700	455,074	18,720	17,730	990
	5	271,763	30,690	302,453	13,977	12,987	990
	6	123,966	29,700	153,666	6,337	5,347	990
	7	76,684	30,690	107,374	3,467	2,477	990
	8	98,198	30,690	128,888	8,313	7,323	990
	9	337,351	29,700	367,051	19,963	18,973	990
TOTAL		7,763,234	361,350	8,124,584			
* Includes LV-1 and T-4			Maximum Deliverability**				95,000
**Includes the completion of planned resources			Peak Day SENDOUT				75,508
			Amount Exceeding Max Del.				0

2024				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	630,342	30,690	661,032	31,703	30,713	990
	11	834,071	29,700	863,771	34,710	33,720	990
	12	1,323,253	30,690	1,353,943	47,516	46,526	990
	1	1,767,589	30,690	1,798,279	77,813	76,823	990
	2	1,134,070	28,710	1,162,780	46,547	45,557	990
	3	931,239	30,690	961,929	36,831	35,841	990
	4	435,762	29,700	465,462	19,182	18,192	990
	5	277,031	30,690	307,721	14,285	13,295	990
	6	124,535	29,700	154,235	6,395	5,405	990
	7	75,596	30,690	106,286	3,432	2,442	990
	8	97,811	30,690	128,501	8,436	7,446	990
	9	344,874	29,700	374,574	20,466	19,476	990
TOTAL		7,976,172	362,340	8,338,512			
* Includes LV-1 and T-4			Maximum Deliverability**				95,000
**Includes the completion of planned resources			Peak Day SENDOUT				77,813
			Amount Exceeding Max Del.				0

2025				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	647,298	30,690	677,988	32,589	31,599	990
	11	857,784	29,700	887,484	35,693	34,703	990
	12	1,362,791	30,690	1,393,481	48,912	47,922	990
	1	1,820,792	30,690	1,851,482	80,173	79,183	990
	2	1,164,611	27,720	1,192,331	47,891	46,901	990
	3	957,173	30,690	987,863	37,856	36,866	990
	4	445,771	29,700	475,471	19,635	18,645	990
	5	281,757	30,690	312,447	14,579	13,589	990
	6	124,455	29,700	154,155	6,433	5,443	990
	7	73,793	30,690	104,483	3,374	2,384	990
	8	96,728	30,690	127,418	8,541	7,551	990
	9	351,940	29,700	381,640	20,960	19,970	990
TOTAL		8,184,892	361,350	8,546,242			
* Includes LV-1 and T-4			Maximum Deliverability**				95,000
**Includes the completion of planned resources			Peak Day SENDOUT				80,173
			Amount Exceeding Max Del.				0

2026				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	664,034	30,690	694,724	33,476	32,486	990
	11	881,485	29,700	911,185	36,682	35,692	990
	12	1,402,738	30,690	1,433,428	50,333	49,343	990
	1	1,875,537	30,690	1,906,227	82,604	81,614	990
	2	1,198,450	27,720	1,226,170	49,272	48,282	990
	3	983,833	30,690	1,014,523	38,911	37,921	990
	4	455,943	29,700	485,643	20,097	19,107	990
	5	286,451	30,690	317,141	14,876	13,886	990
	6	124,176	29,700	153,876	6,466	5,476	990
	7	71,722	30,690	102,412	3,308	2,318	990
	8	95,403	30,690	126,093	8,642	7,652	990
	9	359,063	29,700	388,763	21,466	20,476	990
TOTAL		8,398,836	361,350	8,760,186			
* Includes LV-1 and T-4			Maximum Deliverability**				95,000
**Includes the completion of planned resources			Peak Day SENDOUT				82,604
			Amount Exceeding Max Del.				0

Central Ada Design Weather - Base Price

2021 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	581,134	26,350	607,484	29,050	28,200	850
	11	765,900	25,500	791,400	31,756	30,906	850
	12	1,210,418	26,350	1,236,768	43,367	42,517	850
	1	1,616,379	26,350	1,642,729	70,995	70,145	850
	2	1,036,158	23,800	1,059,958	42,544	41,694	850
	3	854,040	26,350	880,390	33,678	32,828	850
	4	403,958	25,500	429,458	17,644	16,794	850
	5	260,201	26,350	286,551	13,193	12,343	850
	6	121,792	25,500	147,292	6,044	5,194	850
	7	77,789	26,350	104,139	3,361	2,511	850
	8	97,703	26,350	124,053	7,865	7,015	850
	9	319,633	25,500	345,133	18,684	17,834	850
TOTAL		7,345,106	310,250	7,655,356			
* Includes LV-1 and T-4			Maximum Deliverability				74,500
			Peak Day SENDOUT				70,995
			Amount Exceeding Max Del.				0

2022 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	591,431	29,450	620,881	29,649	28,699	950
	11	779,440	28,500	807,940	32,402	31,452	950
	12	1,231,770	29,450	1,261,220	44,216	43,266	950
	1	1,642,220	29,450	1,671,670	72,245	71,295	950
	2	1,052,043	26,600	1,078,643	43,293	42,343	950
	3	866,468	29,450	895,918	34,272	33,322	950
	4	408,544	28,500	437,044	17,955	17,005	950
	5	262,171	29,450	291,621	13,426	12,476	950
	6	121,407	28,500	149,907	6,151	5,201	950
	7	76,544	29,450	105,994	3,421	2,471	950
	8	96,810	29,450	126,260	8,004	7,054	950
	9	322,743	28,500	351,243	19,014	18,064	950
TOTAL		7,451,591	346,750	7,798,341			
* Includes LV-1 and T-4			Maximum Deliverability**				87,000
**Includes the completion of planned resources			Peak Day SENDOUT				72,245
			Amount Exceeding Max Del.				0

2023 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	599,258	29,450	628,708	30,071	29,121	950
	11	790,676	28,500	819,176	32,873	31,923	950
	12	1,250,920	29,450	1,280,370	44,897	43,947	950
	1	1,668,184	29,450	1,697,634	73,407	72,457	950
	2	1,067,873	26,600	1,094,473	43,943	42,993	950
	3	878,723	29,450	908,173	34,762	33,812	950
	4	412,803	28,500	441,303	18,157	17,207	950
	5	263,744	29,450	293,194	13,548	12,598	950
	6	120,590	28,500	149,090	6,144	5,194	950
	7	74,836	29,450	104,286	3,366	2,416	950
	8	95,460	29,450	124,910	8,030	7,080	950
	9	325,487	28,500	353,987	19,235	18,285	950
TOTAL		7,548,554	346,750	7,895,304			
* Includes LV-1 and T-4			Maximum Deliverability**				87,000
**Includes the completion of planned resources			Peak Day SENDOUT				73,407
			Amount Exceeding Max Del.				0

2024				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	606,793	29,450	636,243	30,487	29,537	950
	11	801,695	28,500	830,195	33,339	32,389	950
	12	1,269,980	29,450	1,299,430	45,575	44,625	950
	1	1,694,462	29,450	1,723,912	74,584	73,634	950
	2	1,086,182	27,550	1,113,732	44,599	43,649	950
	3	891,083	29,450	920,533	35,258	34,308	950
	4	417,005	28,500	445,505	18,358	17,408	950
	5	265,198	29,450	294,648	13,667	12,717	950
	6	119,611	28,500	148,111	6,132	5,182	950
	7	72,941	29,450	102,391	3,305	2,355	950
	8	93,930	29,450	123,380	8,052	7,102	950
	9	328,140	28,500	356,640	19,455	18,505	950
TOTAL		7,647,021	347,700	7,994,721			
* Includes LV-1 and T-4			Maximum Deliverability**				87,000
**Includes the completion of planned resources			Peak Day SENDOUT				74,584
			Amount Exceeding Max Del.				0

2025				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	614,330	29,450	643,780	30,907	29,957	950
	11	812,791	28,500	841,291	33,809	32,859	950
	12	1,289,273	29,450	1,318,723	46,260	45,310	950
	1	1,720,572	29,450	1,750,022	75,762	74,812	950
	2	1,099,532	26,600	1,126,132	45,247	44,297	950
	3	902,943	29,450	932,393	35,738	34,788	950
	4	420,631	28,500	449,131	18,541	17,591	950
	5	266,023	29,450	295,473	13,767	12,817	950
	6	117,993	28,500	146,493	6,100	5,150	950
	7	70,376	29,450	99,826	3,222	2,272	950
	8	91,736	29,450	121,186	8,053	7,103	950
	9	330,197	28,500	358,697	19,657	18,707	950
TOTAL		7,736,397	346,750	8,083,147			
* Includes LV-1 and T-4			Maximum Deliverability**				87,000
**Includes the completion of planned resources			Peak Day SENDOUT				75,762
			Amount Exceeding Max Del.				0

2026				Design			
Month		Core	Industry	Total	Peak Day	Peak Core	Industrial CD*
	10	621,307	29,450	650,757	31,311	30,361	950
	11	823,391	28,500	851,891	34,264	33,314	950
	12	1,308,147	29,450	1,337,597	46,937	45,987	950
	1	1,746,879	29,450	1,776,329	76,952	76,002	950
	2	1,115,260	26,600	1,141,860	45,898	44,948	950
	3	914,799	29,450	944,249	36,221	35,271	950
	4	424,096	28,500	452,596	18,720	17,770	950
	5	266,624	29,450	296,074	13,861	12,911	950
	6	116,110	28,500	144,610	6,058	5,108	950
	7	67,520	29,450	96,970	3,130	2,180	950
	8	89,257	29,450	118,707	8,046	7,096	950
	9	332,064	28,500	360,564	19,856	18,906	950
TOTAL		7,825,454	346,750	8,172,204			
* Includes LV-1 and T-4			Maximum Deliverability**				87,000
**Includes the completion of planned resources			Peak Day SENDOUT				76,952
			Amount Exceeding Max Del.				0

Total Company Design Weather - Base Price

2021 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	3,917,822	4,351,284	8,269,106	320,344	179,980	140,364
	11	5,217,332	4,210,920	9,428,252	343,314	202,950	140,364
	12	8,072,111	4,351,284	12,423,395	422,726	282,362	140,364
	1	10,412,752	4,351,284	14,764,036	597,889	457,525	140,364
	2	7,171,345	3,930,192	11,101,537	429,263	288,899	140,364
	3	6,077,007	4,351,284	10,428,291	384,712	244,348	140,364
	4	2,892,753	4,210,920	7,103,673	254,856	114,492	140,364
	5	1,847,034	4,351,284	6,198,318	226,689	86,325	140,364
	6	902,357	4,210,920	5,113,277	181,282	40,918	140,364
	7	561,880	4,351,284	4,913,164	158,515	18,151	140,364
	8	788,079	4,351,284	5,139,363	198,886	58,522	140,364
	9	2,272,049	4,210,920	6,482,969	256,733	116,369	140,364
TOTAL		50,132,521	51,232,860	101,365,381			
* Includes LV-1 and T-4			Maximum Deliverability				586,555
			Peak Day SENDOUT with LV-1				463,738
			Amount Exceeding Max Del.				0

2022 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	4,055,455	4,364,149	8,419,604	327,069	186,290	140,779
	11	5,399,958	4,223,370	9,623,328	350,821	210,042	140,779
	12	8,353,664	4,364,149	12,717,813	432,975	292,196	140,779
	1	10,754,306	4,364,149	15,118,455	613,523	472,744	140,779
	2	7,398,806	3,941,812	11,340,618	438,980	298,201	140,779
	3	6,262,301	4,364,149	10,626,450	392,783	252,004	140,779
	4	2,970,686	4,223,370	7,194,056	258,486	117,707	140,779
	5	1,889,079	4,364,149	6,253,228	229,343	88,564	140,779
	6	913,986	4,223,370	5,137,356	182,433	41,654	140,779
	7	561,832	4,364,149	4,925,981	158,924	18,145	140,779
	8	794,555	4,364,149	5,158,704	200,505	59,726	140,779
	9	2,323,008	4,223,370	6,546,378	260,050	119,271	140,779
TOTAL		51,677,636	51,384,335	103,061,971			
* Includes LV-1 and T-4			Maximum Deliverability				586,555
			Peak Day SENDOUT with LV-1				479,372
			Amount Exceeding Max Del.				0

2023 Month		Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
	10	4,156,922	4,382,749	8,539,671	332,525	191,146	141,379
	11	5,538,528	4,241,370	9,779,898	356,854	215,475	141,379
	12	8,572,205	4,382,749	12,954,954	441,191	299,812	141,379
	1	11,034,197	4,382,749	15,416,946	626,676	485,297	141,379
	2	7,586,891	3,958,612	11,545,503	447,247	305,868	141,379
	3	6,416,571	4,382,749	10,799,320	399,759	258,380	141,379
	4	3,033,409	4,241,370	7,274,779	261,701	120,322	141,379
	5	1,920,803	4,382,749	6,303,552	231,742	90,363	141,379
	6	919,046	4,241,370	5,160,416	183,515	42,136	141,379
	7	556,326	4,382,749	4,939,075	159,347	17,968	141,379
	8	795,601	4,382,749	5,178,350	202,097	60,718	141,379
	9	2,367,741	4,241,370	6,609,111	263,318	121,939	141,379
TOTAL		52,898,239	51,603,335	104,501,574			
* Includes LV-1 and T-4			Maximum Deliverability				577,555
			Peak Day SENDOUT with LV-1				491,975
			Amount Exceeding Max Del.				0

2024 Month	Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
10	4,252,606	4,443,044	8,695,650	339,163	195,839	143,324
11	5,673,855	4,299,720	9,973,575	364,180	220,856	143,324
12	8,792,376	4,443,044	13,235,420	450,896	307,572	143,324
1	11,321,403	4,443,044	15,764,447	641,526	498,202	143,324
2	7,796,359	4,156,396	11,952,755	457,037	313,713	143,324
3	6,573,537	4,443,044	11,016,581	408,219	264,895	143,324
4	3,095,879	4,299,720	7,395,599	266,269	122,945	143,324
5	1,951,213	4,443,044	6,394,257	235,464	92,140	143,324
6	922,127	4,299,720	5,221,847	185,884	42,560	143,324
7	548,493	4,443,044	4,991,537	161,040	17,716	143,324
8	794,370	4,443,044	5,237,414	204,974	61,650	143,324
9	2,410,773	4,299,720	6,710,493	267,888	124,564	143,324
TOTAL	54,132,992	52,456,584	106,589,576			
* Includes LV-1 and T-4		Maximum Deliverability				577,555
		Peak Day SENDOUT with LV-1				504,880
		Amount Exceeding Max Del.				0

2025 Month	Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
10	4,346,848	4,443,044	8,789,892	343,819	200,495	143,324
11	5,807,800	4,299,720	10,107,520	369,514	226,190	143,324
12	9,011,039	4,443,044	13,454,083	458,577	315,253	143,324
1	11,601,373	4,443,044	16,044,417	654,192	510,868	143,324
2	7,963,248	4,013,072	11,976,320	464,622	321,298	143,324
3	6,720,519	4,443,044	11,163,563	414,404	271,080	143,324
4	3,149,894	4,299,720	7,449,614	268,605	125,281	143,324
5	1,973,424	4,443,044	6,416,468	236,960	93,636	143,324
6	917,926	4,299,720	5,217,646	186,056	42,732	143,324
7	533,440	4,443,044	4,976,484	160,553	17,229	143,324
8	785,478	4,443,044	5,228,522	205,607	62,283	143,324
9	2,443,800	4,299,720	6,743,520	270,109	126,785	143,324
TOTAL	55,254,789	52,313,260	107,568,049			
* Includes LV-1 and T-4		Maximum Deliverability				574,555
		Peak Day SENDOUT with LV-1				517,546
		Amount Exceeding Max Del.				0

2026 Month	Core	Industry	Design Total	Peak Day	Peak Core	Industrial CD*
10	4,427,288	4,444,594	8,871,882	347,967	204,593	143,374
11	5,924,849	4,301,220	10,226,069	374,260	230,886	143,374
12	9,205,469	4,444,594	13,650,063	465,500	322,126	143,374
1	11,856,452	4,444,594	16,301,046	665,861	522,487	143,374
2	8,131,392	4,014,472	12,145,864	471,591	328,217	143,374
3	6,854,764	4,444,594	11,299,358	420,132	276,758	143,374
4	3,196,508	4,301,220	7,497,728	270,713	127,339	143,374
5	1,989,753	4,444,594	6,434,347	238,282	94,908	143,374
6	909,052	4,301,220	5,210,272	186,112	42,738	143,374
7	513,940	4,444,594	4,958,534	159,974	16,600	143,374
8	772,287	4,444,594	5,216,881	206,155	62,781	143,374
9	2,473,130	4,301,220	6,774,350	272,270	128,896	143,374
TOTAL	56,254,884	52,331,510	108,586,394			
* Includes LV-1 and T-4		Maximum Deliverability**				529,215
**Includes the completion of planned resources		Peak Day SENDOUT with LV-1				529,215
		Amount Exceeding Max Del.				0

Intermountain Gas Company

Transportation Inputs, Transportation Results, and Supply Results – Design Base Case

Integrated Resource Plan 2021 – 2026

Exhibit No. 8

Transport	Data Item	2020: Oct	2020: Nov	2020: Dec	2021: Jan	2021: Feb	2021: Mar	2021: Apr	2021: May	2021: Jun	2021: Jul
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	22.094	22.094	20.941	20.941	20.941	0.000	0.000	0.000	0.000
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract4	First of Month MDQ by Transport (000s dths)	20.686	20.686	20.686	20.686	20.686	20.686	0.000	0.000	0.000	0.000
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 3.78	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 4.73	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2020: Oct	2020: Nov	2020: Dec	2021: Jan	2021: Feb	2021: Mar	2021: Apr	2021: May	2021: Jun	2021: Jul
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 12.99	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 6.96	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2020: Oct	2020: Nov	2020: Dec	2021: Jan	2021: Feb	2021: Mar	2021: Apr	2021: May	2021: Jun	2021: Jul
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 40	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 41	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.38	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	3.000	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 8.73	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 3.82	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.19	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 3.73	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 6.63	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30

Transport	Data Item	2021: Aug	2021: Sep	2021: Oct	2021: Nov	2021: Dec	2022: Jan	2022: Feb	2022: Mar	2022: Apr	2022: May
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	22.094	22.094	20.941	20.941	20.941	0.000	0.000
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
GTN Contract4	First of Month MDQ by Transport (000s dths)	0.000	0.000	20.686	20.686	20.686	20.686	20.686	20.686	0.000	0.000
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 3.78	$ 4.18	$ 4.05	$ 4.18
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 4.73	$ 5.24	$ 5.07	$ 5.24
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2021: Aug	2021: Sep	2021: Oct	2021: Nov	2021: Dec	2022: Jan	2022: Feb	2022: Mar	2022: Apr	2022: May
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 12.99	$ 14.38	$ 13.92	$ 14.38
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 6.96	$ 7.71	$ 7.46	$ 7.71
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2021: Aug	2021: Sep	2021: Oct	2021: Nov	2021: Dec	2022: Jan	2022: Feb	2022: Mar	2022: Apr	2022: May
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 40	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
NWP Contract 41	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000	9.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.38	$ 2.63	$ 2.55	$ 2.63
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	3.000	3.000	3.000	3.000	3.000	0.000	0.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 8.73	$ 9.67	$ 9.36	$ 9.67
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 3.82	$ 4.23	$ 4.10	$ 4.23
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.19	$ 5.75	$ 5.56	$ 5.75
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 3.73	$ 4.13	$ 4.00	$ 4.13
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 6.63	$ 7.34	$ 7.10	$ 7.34
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30

Transport	Data Item	2022: Jun	2022: Jul	2022: Aug	2022: Sep	2022: Oct	2022: Nov	2022: Dec	2023: Jan	2023: Feb	2023: Mar
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	22.094	22.094	20.941	20.941	20.941
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
GTN Contract4	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	20.686	20.686	20.686	20.686	20.686	20.686
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.05	$ 4.18	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 3.78	$ 4.18
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.13	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.07	$ 5.24	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 4.73	$ 5.24
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2022: Jun	2022: Jul	2022: Aug	2022: Sep	2022: Oct	2022: Nov	2022: Dec	2023: Jan	2023: Feb	2023: Mar
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 13.92	$ 14.38	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 12.99	$ 14.38
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.46	$ 7.71	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 6.96	$ 7.71
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2022: Jun	2022: Jul	2022: Aug	2022: Sep	2022: Oct	2022: Nov	2022: Dec	2023: Jan	2023: Feb	2023: Mar
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 40	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	0.000	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
NWP Contract 41	First of Month MDQ by Transport (000s dths)	9.000	9.000	9.000	9.000	9.000	9.000	9.000	0.000	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.55	$ 2.63	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.38	$ 2.63
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	3.000	3.000	3.000	3.000	3.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.36	$ 9.67	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 8.73	$ 9.67
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.10	$ 4.23	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 3.82	$ 4.23
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.56	$ 5.75	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.19	$ 5.75
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.00	$ 4.13	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 3.73	$ 4.13
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.10	$ 7.34	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 6.63	$ 7.34
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30

Transport	Data Item	2023: Apr	2023: May	2023: Jun	2023: Jul	2023: Aug	2023: Sep	2023: Oct	2023: Nov	2023: Dec	2024: Jan
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.094	22.094	20.941
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
GTN Contract4	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	20.686	20.686	20.686	20.686
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2023: Apr	2023: May	2023: Jun	2023: Jul	2023: Aug	2023: Sep	2023: Oct	2023: Nov	2023: Dec	2024: Jan
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

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NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 40	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
NWP Contract 41	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.000	3.000	3.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30

Transport	Data Item	2024: Feb	2024: Mar	2024: Apr	2024: May	2024: Jun	2024: Jul	2024: Aug	2024: Sep	2024: Oct	2024: Nov
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	20.941	20.941	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.094
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
GTN Contract4	First of Month MDQ by Transport (000s dths)	20.686	20.686	0.000	0.000	0.000	0.000	0.000	0.000	20.686	20.686
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04	$ 4.17	$ 4.04
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.13
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 3.78	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 4.05	$ 4.18	$ 4.05
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00	$ 12.40	$ 12.00
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30	$ 0.31	$ 0.30
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.73	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 5.07	$ 5.24	$ 5.07
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99	$ 12.39	$ 11.99
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2024: Feb	2024: Mar	2024: Apr	2024: May	2024: Jun	2024: Jul	2024: Aug	2024: Sep	2024: Oct	2024: Nov
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 12.99	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 13.92	$ 14.38	$ 13.92
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 6.96	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 7.46	$ 7.71	$ 7.46
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872	1.872
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969	1.969
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812	4.812
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264	2.264
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2024: Feb	2024: Mar	2024: Apr	2024: May	2024: Jun	2024: Jul	2024: Aug	2024: Sep	2024: Oct	2024: Nov
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901	1.901
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414	7.414
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464	2.464
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53	$ 10.88	$ 10.53
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61	$ 7.86	$ 7.61
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 40	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
NWP Contract 41	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.38	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.55	$ 2.63	$ 2.55
NWP Contract 42	First of Month MDQ by Transport (000s dths)	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 8.73	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 9.36	$ 9.67	$ 9.36
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 3.82	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 4.10	$ 4.23	$ 4.10
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93	$ 3.02	$ 2.93
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.19	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.56	$ 5.75	$ 5.56
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71	$ 2.80	$ 2.71
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 3.73	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 4.00	$ 4.13	$ 4.00
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 6.63	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 7.10	$ 7.34	$ 7.10
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70	$ 12.09	$ 11.70
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29	$ 0.30	$ 0.29

Transport	Data Item	2024: Dec	2025: Jan	2025: Feb	2025: Mar	2025: Apr	2025: May	2025: Jun	2025: Jul	2025: Aug	2025: Sep
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	22.094	20.941	20.941	20.941	0.000	0.000	0.000	0.000	0.000	0.000
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
GTN Contract4	First of Month MDQ by Transport (000s dths)	20.686	20.686	20.686	20.686	0.000	0.000	0.000	0.000	0.000	0.000
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 4.04
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.13
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.18	$ 4.18	$ 3.78	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 4.05
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 12.00
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.30
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.24	$ 5.24	$ 4.73	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 5.07
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.99
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159	7.159
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2024: Dec	2025: Jan	2025: Feb	2025: Mar	2025: Apr	2025: May	2025: Jun	2025: Jul	2025: Aug	2025: Sep
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470	2.470
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530	5.530
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 14.38	$ 14.38	$ 12.99	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 13.92
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.71	$ 7.71	$ 6.96	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 7.46
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.628	0.628	0.628	0.628	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.227	0.227	0.227	0.227	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.040	0.040	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 26	First of Month MDQ by Transport (000s dths)	1.373	1.373	1.373	1.373	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 27	First of Month MDQ by Transport (000s dths)	1.872	1.872	1.872	1.872	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 28	First of Month MDQ by Transport (000s dths)	1.969	1.969	1.969	1.969	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 29	First of Month MDQ by Transport (000s dths)	4.812	4.812	4.812	4.812	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 30	First of Month MDQ by Transport (000s dths)	2.264	2.264	2.264	2.264	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2024: Dec	2025: Jan	2025: Feb	2025: Mar	2025: Apr	2025: May	2025: Jun	2025: Jul	2025: Aug	2025: Sep
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 31	First of Month MDQ by Transport (000s dths)	1.500	1.500	1.500	1.500	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 32	First of Month MDQ by Transport (000s dths)	1.901	1.901	1.901	1.901	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 33	First of Month MDQ by Transport (000s dths)	7.414	7.414	7.414	7.414	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 37	First of Month MDQ by Transport (000s dths)	2.464	2.464	2.464	2.464	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.686	0.686	0.686	0.686	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 10.53
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.61
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 40	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
NWP Contract 41	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.63	$ 2.63	$ 2.38	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.55
NWP Contract 42	First of Month MDQ by Transport (000s dths)	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.67	$ 9.67	$ 8.73	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 9.36
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.23	$ 4.23	$ 3.82	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 4.10
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.93
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.75	$ 5.75	$ 5.19	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.56
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.71
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.13	$ 4.13	$ 3.73	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 4.00
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.34	$ 7.34	$ 6.63	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 7.10
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 11.70
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.29

Transport	Data Item	2025: Oct	2025: Nov	2025: Dec	2026: Jan	2026: Feb	2026: Mar	2026: Apr	2026: May	2026: Jun	2026: Jul
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	22.094	22.094	20.941	20.941	20.941	0.000	0.000	0.000	0.000
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract4	First of Month MDQ by Transport (000s dths)	20.686	20.686	20.686	20.686	20.686	20.686	0.000	0.000	0.000	0.000
GTN Contract4	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04	$ 4.17	$ 4.17	$ 3.77	$ 4.17	$ 4.04	$ 4.17	$ 4.04	$ 4.17
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.12	$ 0.14	$ 0.13	$ 0.14	$ 0.13	$ 0.14
INCRM GTN	First of Month MDQ by Transport (000s dths)	0.000	31.957	31.957	31.957	31.957	31.957	31.957	31.957	31.957	31.957
INCRM GTN	Fuel by Transport (%)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.18	$ 4.05	$ 4.18	$ 4.18	$ 3.78	$ 4.18	$ 4.05	$ 4.18	$ 4.05	$ 4.18
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00	$ 12.40	$ 12.40	$ 11.20	$ 12.40	$ 12.00	$ 12.40	$ 12.00	$ 12.40
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30	$ 0.31	$ 0.31	$ 0.28	$ 0.31	$ 0.30	$ 0.31	$ 0.30	$ 0.31
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.24	$ 5.07	$ 5.24	$ 5.24	$ 4.73	$ 5.24	$ 5.07	$ 5.24	$ 5.07	$ 5.24
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99	$ 12.39	$ 12.39	$ 11.20	$ 12.39	$ 11.99	$ 12.39	$ 11.99	$ 12.39
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 4	First of Month MDQ by Transport (000s dths)	7.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 5	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 6	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 7	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 8	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.422	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 9	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2025: Oct	2025: Nov	2025: Dec	2026: Jan	2026: Feb	2026: Mar	2026: Apr	2026: May	2026: Jun	2026: Jul
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.260	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 10	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 11	First of Month MDQ by Transport (000s dths)	1.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 11	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 12	First of Month MDQ by Transport (000s dths)	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 13	First of Month MDQ by Transport (000s dths)	2.470	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 13	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 14	First of Month MDQ by Transport (000s dths)	5.530	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 14	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 14.38	$ 13.92	$ 14.38	$ 14.38	$ 12.99	$ 14.38	$ 13.92	$ 14.38	$ 13.92	$ 14.38
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.71	$ 7.46	$ 7.71	$ 7.71	$ 6.96	$ 7.71	$ 7.46	$ 7.71	$ 7.46	$ 7.71
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 23	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 24	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 25	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 26	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 26	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 27	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 27	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 28	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 28	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 29	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 29	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 30	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 30	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64

Transport	Data Item	2025: Oct	2025: Nov	2025: Dec	2026: Jan	2026: Feb	2026: Mar	2026: Apr	2026: May	2026: Jun	2026: Jul
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 31	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 31	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 32	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 32	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 33	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 33	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 37	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 37	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 38	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53	$ 10.88	$ 10.88	$ 9.83	$ 10.88	$ 10.53	$ 10.88	$ 10.53	$ 10.88
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61	$ 7.86	$ 7.86	$ 7.10	$ 7.86	$ 7.61	$ 7.86	$ 7.61	$ 7.86
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 40	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
NWP Contract 41	First of Month MDQ by Transport (000s dths)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.63	$ 2.55	$ 2.63	$ 2.63	$ 2.38	$ 2.63	$ 2.55	$ 2.63	$ 2.55	$ 2.63
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	3.000	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.67	$ 9.36	$ 9.67	$ 9.67	$ 8.73	$ 9.67	$ 9.36	$ 9.67	$ 9.36	$ 9.67
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.23	$ 4.10	$ 4.23	$ 4.23	$ 3.82	$ 4.23	$ 4.10	$ 4.23	$ 4.10	$ 4.23
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93	$ 3.02	$ 3.02	$ 2.73	$ 3.02	$ 2.93	$ 3.02	$ 2.93	$ 3.02
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.75	$ 5.56	$ 5.75	$ 5.75	$ 5.19	$ 5.75	$ 5.56	$ 5.75	$ 5.56	$ 5.75
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71	$ 2.80	$ 2.80	$ 2.53	$ 2.80	$ 2.71	$ 2.80	$ 2.71	$ 2.80
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.13	$ 4.00	$ 4.13	$ 4.13	$ 3.73	$ 4.13	$ 4.00	$ 4.13	$ 4.00	$ 4.13
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.34	$ 7.10	$ 7.34	$ 7.34	$ 6.63	$ 7.34	$ 7.10	$ 7.34	$ 7.10	$ 7.34
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70	$ 12.09	$ 12.09	$ 10.92	$ 12.09	$ 11.70	$ 12.09	$ 11.70	$ 12.09
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29	$ 0.30	$ 0.30	$ 0.27	$ 0.30	$ 0.29	$ 0.30	$ 0.29	$ 0.30

Transport	Data Item	2026: Aug	2026: Sep
FTHLS Contract 1	First of Month MDQ by Transport (000s dths)	7.105	7.105
FTHLS Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71
FTHLS Contract 2	First of Month MDQ by Transport (000s dths)	87.639	87.639
FTHLS Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71
FTHLS Contract 3	First of Month MDQ by Transport (000s dths)	0.000	0.000
FTHLS Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71
FTHLS Contract 4	First of Month MDQ by Transport (000s dths)	7.387	7.387
FTHLS Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71
GTN Contract1	First of Month MDQ by Transport (000s dths)	7.158	7.158
GTN Contract1	Fuel by Transport (%)	0.005	0.005
GTN Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
GTN Contract2	First of Month MDQ by Transport (000s dths)	36.600	36.600
GTN Contract2	Fuel by Transport (%)	0.005	0.005
GTN Contract2	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
GTN Contract3	First of Month MDQ by Transport (000s dths)	25.000	25.000
GTN Contract3	Fuel by Transport (%)	0.005	0.005
GTN Contract3	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
GTN Contract4	First of Month MDQ by Transport (000s dths)	0.000	0.000
GTN Contract4	Fuel by Transport (%)	0.005	0.005
GTN Contract4	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
GTN Contract5	First of Month MDQ by Transport (000s dths)	17.000	17.000
GTN Contract5	Fuel by Transport (%)	0.005	0.005
GTN Contract5	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
GTN Contract6	First of Month MDQ by Transport (000s dths)	15.000	15.000
GTN Contract6	Fuel by Transport (%)	0.005	0.005
GTN Contract6	Rate: D1 by Transport ($/Mmbtu)	$ 4.17	$ 4.04
GTN Contract6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.13
INCRM GTN	First of Month MDQ by Transport (000s dths)	31.957	31.957
INCRM GTN	Fuel by Transport (%)	0.005	0.005
INCRM GTN	Rate: D1 by Transport ($/Mmbtu)	$ 4.18	$ 4.05
INCRM GTN	Rate: Transportation by Transport ($/Mmbtu)	$ 0.14	$ 0.14
INCRM OPAL	Fuel by Transport (%)	1.64	1.64
INCRM OPAL	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00
INCRM OPAL	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30
INCRM SUMAS	Fuel by Transport (%)	1.64	1.64
INCRM SUMAS	Rate: D1 by Transport ($/Mmbtu)	$ 12.40	$ 12.00
INCRM SUMAS	Rate: Transportation by Transport ($/Mmbtu)	$ 0.31	$ 0.30
NOVA Contract1	First of Month MDQ by Transport (000s dths)	123.921	123.921
NOVA Contract1	Rate: D1 by Transport ($/Mmbtu)	$ 5.24	$ 5.07
NWP Contract 1	First of Month MDQ by Transport (000s dths)	65.496	65.496
NWP Contract 1	Fuel by Transport (%)	1.64	1.64
NWP Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99
NWP Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 2	First of Month MDQ by Transport (000s dths)	47.528	47.528
NWP Contract 2	Fuel by Transport (%)	1.64	1.64
NWP Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.39	$ 11.99
NWP Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 3	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 3	Fuel by Transport (%)	1.64	1.64
NWP Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 4	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 4	Fuel by Transport (%)	1.64	1.64
NWP Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 5	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 5	Fuel by Transport (%)	1.64	1.64
NWP Contract 5	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 5	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 6	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 6	Fuel by Transport (%)	1.64	1.64
NWP Contract 6	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 6	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 7	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 7	Fuel by Transport (%)	1.64	1.64
NWP Contract 7	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 7	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 8	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 8	Fuel by Transport (%)	1.64	1.64
NWP Contract 8	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 8	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 9	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 9	Fuel by Transport (%)	1.64	1.64

Transport	Data Item	2026: Aug	2026: Sep
NWP Contract 9	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 9	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 10	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 10	Fuel by Transport (%)	1.64	1.64
NWP Contract 10	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 10	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 11	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 11	Fuel by Transport (%)	1.64	1.64
NWP Contract 11	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 11	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 12	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 12	Fuel by Transport (%)	1.64	1.64
NWP Contract 12	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 12	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 13	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 13	Fuel by Transport (%)	1.64	1.64
NWP Contract 13	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 13	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 14	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 14	Fuel by Transport (%)	1.64	1.64
NWP Contract 14	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 14	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 15	First of Month MDQ by Transport (000s dths)	7.000	7.000
NWP Contract 15	Fuel by Transport (%)	1.64	1.64
NWP Contract 15	Rate: D1 by Transport ($/Mmbtu)	$ 14.38	$ 13.92
NWP Contract 15	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 16	First of Month MDQ by Transport (000s dths)	4.200	4.200
NWP Contract 17	First of Month MDQ by Transport (000s dths)	2.800	2.800
NWP Contract 18	First of Month MDQ by Transport (000s dths)	5.000	5.000
NWP Contract 18	Fuel by Transport (%)	1.64	1.64
NWP Contract 18	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 18	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 19	First of Month MDQ by Transport (000s dths)	10.000	10.000
NWP Contract 19	Fuel by Transport (%)	1.64	1.64
NWP Contract 19	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 19	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 20	First of Month MDQ by Transport (000s dths)	28.629	28.629
NWP Contract 20	Fuel by Transport (%)	1.64	1.64
NWP Contract 20	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 20	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 21	First of Month MDQ by Transport (000s dths)	16.000	16.000
NWP Contract 21	Fuel by Transport (%)	1.64	1.64
NWP Contract 21	Rate: D1 by Transport ($/Mmbtu)	$ 7.71	$ 7.46
NWP Contract 21	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 22	First of Month MDQ by Transport (000s dths)	2.171	2.171
NWP Contract 22	Fuel by Transport (%)	1.64	1.64
NWP Contract 22	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61
NWP Contract 22	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 23	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 23	Fuel by Transport (%)	1.64	1.64
NWP Contract 23	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 23	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 24	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 24	Fuel by Transport (%)	1.64	1.64
NWP Contract 24	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 24	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 25	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 25	Fuel by Transport (%)	1.64	1.64
NWP Contract 25	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 25	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 26	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 26	Fuel by Transport (%)	1.64	1.64
NWP Contract 26	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 26	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 27	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 27	Fuel by Transport (%)	1.64	1.64
NWP Contract 27	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 27	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 28	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 28	Fuel by Transport (%)	1.64	1.64
NWP Contract 28	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 28	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 29	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 29	Fuel by Transport (%)	1.64	1.64
NWP Contract 29	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 29	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 30	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 30	Fuel by Transport (%)	1.64	1.64

Transport	Data Item	2026: Aug	2026: Sep
NWP Contract 30	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 30	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 31	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 31	Fuel by Transport (%)	1.64	1.64
NWP Contract 31	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 31	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 32	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 32	Fuel by Transport (%)	1.64	1.64
NWP Contract 32	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 32	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 33	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 33	Fuel by Transport (%)	1.64	1.64
NWP Contract 33	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 33	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 34	First of Month MDQ by Transport (000s dths)	13.995	13.995
NWP Contract 34	Fuel by Transport (%)	1.64	1.64
NWP Contract 34	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 34	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 35	First of Month MDQ by Transport (000s dths)	7.241	7.241
NWP Contract 35	Fuel by Transport (%)	1.64	1.64
NWP Contract 35	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 35	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 36	First of Month MDQ by Transport (000s dths)	7.250	7.250
NWP Contract 36	Fuel by Transport (%)	1.64	1.64
NWP Contract 36	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 36	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 37	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 37	Fuel by Transport (%)	1.64	1.64
NWP Contract 37	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53
NWP Contract 37	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 38	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 38	Fuel by Transport (%)	1.64	1.64
NWP Contract 38	Rate: D1 by Transport ($/Mmbtu)	$ 10.88	$ 10.53
NWP Contract 38	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 39	First of Month MDQ by Transport (000s dths)	2.829	2.829
NWP Contract 39	Fuel by Transport (%)	1.64	1.64
NWP Contract 39	Rate: D1 by Transport ($/Mmbtu)	$ 7.86	$ 7.61
NWP Contract 39	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 40	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 40	Fuel by Transport (%)	1.64	1.64
NWP Contract 40	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
NWP Contract 40	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
NWP Contract 41	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 41	Rate: D1 by Transport ($/Mmbtu)	$ 2.63	$ 2.55
NWP Contract 42	First of Month MDQ by Transport (000s dths)	0.000	0.000
NWP Contract 42	Rate: D1 by Transport ($/Mmbtu)	$ 9.67	$ 9.36
NWP Contract 43	First of Month MDQ by Transport (000s dths)	16.305	16.305
NWP Contract 43	Rate: D1 by Transport ($/Mmbtu)	$ 4.23	$ 4.10
NWP Contract 44	First of Month MDQ by Transport (000s dths)	17.449	17.449
NWP Contract 44	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93
NWP Contract 45	First of Month MDQ by Transport (000s dths)	25.000	25.000
NWP Contract 45	Rate: D1 by Transport ($/Mmbtu)	$ 3.02	$ 2.93
SHELL AECO	First of Month MDQ by Transport (000s dths)	10.317	10.317
SHELL AECO	Rate: D1 by Transport ($/Mmbtu)	$ 5.75	$ 5.56
SHELL FTHLS	First of Month MDQ by Transport (000s dths)	10.204	10.204
SHELL FTHLS	Rate: D1 by Transport ($/Mmbtu)	$ 2.80	$ 2.71
SHELL KGATE	First of Month MDQ by Transport (000s dths)	10.130	10.130
SHELL KGATE	Rate: D1 by Transport ($/Mmbtu)	$ 4.13	$ 4.00
SHELL STAN	First of Month MDQ by Transport (000s dths)	10.000	10.000
SHELL STAN	Rate: D1 by Transport ($/Mmbtu)	$ 7.34	$ 7.10
TF-2 Contract 1	First of Month MDQ by Transport (000s dths)	30.337	30.337
TF-2 Contract 1	Fuel by Transport (%)	1.64	1.64
TF-2 Contract 1	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
TF-2 Contract 1	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
TF-2 Contract 2	First of Month MDQ by Transport (000s dths)	72.000	72.000
TF-2 Contract 2	Fuel by Transport (%)	1.64	1.64
TF-2 Contract 2	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
TF-2 Contract 2	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
TF-2 Contract 3	First of Month MDQ by Transport (000s dths)	41.200	41.200
TF-2 Contract 3	Fuel by Transport (%)	1.64	1.64
TF-2 Contract 3	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
TF-2 Contract 3	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29
TF-2 Contract 4	First of Month MDQ by Transport (000s dths)	41.975	41.975
TF-2 Contract 4	Fuel by Transport (%)	1.64	1.64
TF-2 Contract 4	Rate: D1 by Transport ($/Mmbtu)	$ 12.09	$ 11.70
TF-2 Contract 4	Rate: Transportation by Transport ($/Mmbtu)	$ 0.30	$ 0.29

Annual Transportation Resources Results							
Transport Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
FOOTHILLS	D1 Cost by Transport ($000)	$ 3,654.02	$ 3,654.02	$ 3,654.02	$ 3,654.02	$ 3,654.02	$ 3,654.02
FOOTHILLS	Outflow (Net Flow) by Transport (MDT)	23,507	24,448	20,699	18,897	18,745	20,196
GTN	D1 Cost by Transport ($000)	$ 5,455.27	$ 5,455.27	$ 5,455.27	$ 5,455.27	$ 5,455.27	$ 5,455.27
GTN	Outflow (Net Flow) by Transport (MDT)	26,704	24,722	21,913	20,107	20,282	22,756
GTN	Transp Cost by Transport ($000)	$ 3,596.07	$ 3,323.51	$ 2,944.88	$ 2,696.35	$ 2,720.50	$ 3,055.36
NOVA	D1 Cost by Transport ($000)	$ 7,646.78	$ 7,646.78	$ 7,646.78	$ 7,646.78	$ 7,646.78	$ 7,646.78
NOVA	Outflow (Net Flow) by Transport (MDT)	23,891	24,203	20,756	18,957	18,807	20,378
NWP	D1 Cost by Transport ($000)	$ 40,555.47	$ 40,555.47	$ 39,388.25	$ 38,994.90	$ 37,393.06	$ 35,486.30
NWP	Outflow (Net Flow) by Transport (MDT)	46,529	48,683	50,630	51,715	52,929	53,389
NWP	Transp Cost by Transport ($000)	$ 9,129.22	$ 9,791.52	$ 11,247.73	$ 12,114.32	$ 12,336.30	$ 12,192.84
SHELL - GTN	D1 Cost by Transport ($000)	$ 1,527.02	$ 1,527.02	$ 1,527.02	$ 1,527.02	$ 1,527.02	$ 1,527.02
SHELL - GTN	Outflow (Net Flow) by Transport (MDT)	7,119	5,909	4,691	4,711	5,331	4,822
SHELL - NWP	D1 Cost by Transport ($000)	$ 863.88	$ 863.88	$ 863.88	$ 863.88	$ 863.88	$ 863.88
SHELL - NWP	Outflow (Net Flow) by Transport (MDT)	3,650	3,040	2,120	2,130	1,810	2,120
TF2	D1 Cost by Transport ($000)	$ 1,001.30	$ 1,001.30	$ 1,001.30	$ 1,001.30	$ 1,001.30	$ 1,001.30
TF2	Outflow (Net Flow) by Transport (MDT)	2,525	2,525	2,525	2,525	2,525	2,525
TF2	Transp Cost by Transport ($000)	$ 754.94	$ 752.07	$ 765.60	$ 763.27	$ 765.20	$ 761.63

Design Day Transportation Resources Results							
Transport Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
FOOTHILLS	Outflow (Net Flow) by Transport (MDT)	123	123	123	123	123	123
GTN	Outflow (Net Flow) by Transport (MDT)	121	121	121	121	121	121
NOVA	Outflow (Net Flow) by Transport (MDT)	124	124	124	124	124	124
NWP	Outflow (Net Flow) by Transport (MDT)	318	318	309	309	309	290
INCRM GTN	Outflow (Net Flow) by Transport (MDT)	-	-	-	-	-	6
SHELL - GTN	Outflow (Net Flow) by Transport (MDT)	26	26	26	26	26	30
SHELL - NWP	Outflow (Net Flow) by Transport (MDT)	10	10	10	10	10	10
TF2	Outflow (Net Flow) by Transport (MDT)	139	154	175	127	138	168

Annual Traditional Supply Resources Results							
Supply Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
AECO	Commodity Cost ($000)	$ 72,663.60	$ 65,579.13	$ 52,853.27	$ 47,800.77	$ 49,398.63	$ 58,827.48
AECO	Take: Monthly by Supply (MDT)	30,403	27,802	24,062	22,266	22,430	25,375
AECO	Unit Commodity Cost ($/dth)	$ 2.39	$ 2.36	$ 2.20	$ 2.15	$ 2.20	$ 2.32
OPAL	Commodity Cost ($000)	$ 33,115.46	$ 46,590.63	$ 36,740.13	$ 29,578.37	$ 39,326.21	$ 12,261.24
OPAL	Take: Monthly by Supply (MDT)	11,291	15,540	12,349	9,915	13,057	3,907
OPAL	Unit Commodity Cost ($/dth)	$ 2.93	$ 3.00	$ 2.98	$ 2.98	$ 3.01	$ 3.14
SUMAS	Commodity Cost ($000)	$ 30,513.92	$ 25,921.78	$ 42,425.67	$ 54,240.21	$ 54,313.33	$ 61,033.39
SUMAS	Take: Monthly by Supply (MDT)	10,833	11,118	19,318	24,674	22,303	23,049
SUMAS	Unit Commodity Cost ($/dth)	$ 2.82	$ 2.33	$ 2.20	$ 2.20	$ 2.44	$ 2.65

Annual DSM Supply Resources Results							
Supply Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
ALL OTHER	Commodity Cost ($000)	$ 258.00	$ 451.34	$ 546.04	$ 846.05	$ 1,185.56	$ 1,578.50
ALL OTHER	Take: Monthly by Supply (MDT)	56	98	119	184	258	344
ALL OTHER	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59
CENTRAL ADA	Commodity Cost ($000)	$ 92.14	$ 159.46	$ 192.41	$ 296.58	$ 412.18	$ 544.74
CENTRAL ADA	Take: Monthly by Supply (MDT)	20	35	42	65	90	119
CENTRAL ADA	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59
CYN CNTY	Commodity Cost ($000)	$ 77.07	$ 137.17	$ 169.52	$ 270.18	$ 389.76	$ 534.64
CYN CNTY	Take: Monthly by Supply (MDT)	17	30	37	59	85	116
CYN CNTY	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59
ID FALLS	Commodity Cost ($000)	$ 55.29	$ 108.32	$ 146.16	$ 253.38	$ 396.81	$ 588.55
ID FALLS	Take: Monthly by Supply (MDT)	12	24	32	55	86	128
ID FALLS	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59
N STATE ST	Commodity Cost ($000)	$ 105.55	$ 184.24	$ 221.53	$ 341.22	$ 475.32	$ 628.32
N STATE ST	Take: Monthly by Supply (MDT)	23	40	48	74	104	137
N STATE ST	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59
SUN VLLY	Commodity Cost ($000)	$ 6.70	$ 15.31	$ 22.44	$ 42.10	$ 70.85	$ 111.52
SUN VLLY	Take: Monthly by Supply (MDT)	1	3	5	9	15	24
SUN VLLY	Unit Commodity Cost ($/dth)	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59	$ 4.59

Design Day Traditional Supply Resources Results							
Supply Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
AECO	Take: Daily by Supply (MDT)	132	132	132	132	132	138
OPAL	Take: Daily by Supply (MDT)	33	33	24	24	24	-
SUMAS	Take: Daily by Supply (MDT)	205	106	86	223	235	264

Design Day DSM Supply Resources Results							
Supply Group	Data Item	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
ALL OTHER	Take: Daily by Supply (Dth)	154	397	687	1,001	1,385	1,804
CENTRAL ADA	Take: Daily by Supply (Dth)	55	140	242	350	480	621
CYN CNTY	Take: Daily by Supply (Dth)	46	121	215	323	460	618
ID FALLS	Take: Daily by Supply (Dth)	33	97	191	311	482	699
N STATE ST	Take: Daily by Supply (Dth)	63	162	278	403	554	716
SUN VLLY	Take: Daily by Supply (Dth)	4	14	30	53	88	135

Intermountain Gas Company

Lateral Summary Tables – Design Base Case

Integrated Resource Plan 2021 – 2026

Exhibit No. 9

Lateral Capacity Summary By Year, Weather: Design, Growth: Normal

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	84,207	90,400	93%	-	90,400	93%
SUN VALLEY	20,341	20,000	102%	-	20,000	102%
CANYON COUNTY	93,531	103,200	91%	-	103,200	91%
STATE STREET	71,104	82,000	87%	-	82,000	87%
CENTRAL ADA	70,995	74,500	95%	-	74,500	95%
ALL OTHER	257,711					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	86,218	90,400	95%	-	90,400	95%
SUN VALLEY	20,744	20,000	104%	4,750	24,750	84%
CANYON COUNTY	97,546	103,200	95%	-	103,200	95%
STATE STREET	73,274	82,000	89%	-	82,000	89%
CENTRAL ADA	72,245	74,500	97%	12,500	87,000	83%
ALL OTHER	263,496					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	87,810	90,400	97%	18,900	109,300	80%
SUN VALLEY	21,018	24,750	85%	-	24,750	85%
CANYON COUNTY	100,419	103,200	97%	35,800	139,000	72%
STATE STREET	75,508	82,000	92%	13,000	95,000	79%
CENTRAL ADA	73,407	87,000	84%	-	87,000	84%
ALL OTHER	268,514					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	89,360	109,300	82%	-	109,300	82%
SUN VALLEY	21,295	24,750	86%	-	24,750	86%
CANYON COUNTY	103,378	139,000	74%	-	139,000	74%
STATE STREET	77,813	95,000	82%	-	95,000	82%
CENTRAL ADA	74,584	87,000	86%	-	87,000	86%
ALL OTHER	275,097					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	90,779	109,300	83%	-	109,300	83%
SUN VALLEY	21,569	24,750	87%	-	24,750	87%
CANYON COUNTY	106,343	139,000	77%	-	139,000	77%
STATE STREET	80,173	95,000	84%	-	95,000	84%
CENTRAL ADA	75,762	87,000	87%	-	87,000	87%
ALL OTHER	279,566					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	92,206	109,300	84%	-	109,300	84%
SUN VALLEY	21,765	24,750	88%	-	24,750	88%
CANYON COUNTY	108,707	139,000	78%	-	139,000	78%
STATE STREET	82,604	95,000	87%	-	95,000	87%
CENTRAL ADA	76,952	87,000	88%	-	87,000	88%
ALL OTHER	283,628					

Intermountain Gas Company

Lateral Summary Tables – Other Scenarios

Integrated Resource Plan 2021 – 2026

Exhibit No. 10

Lateral Capacity Summary By Year, Weather: Normal, Growth: Low

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	56,024	90,400	62%	-	90,400	62%
SUN VALLEY	12,545	20,000	63%	-	20,000	63%
CANYON COUNTY	59,440	103,200	58%	-	103,200	58%
STATE STREET	36,357	82,000	44%	-	82,000	44%
CENTRAL ADA	36,256	74,500	49%	-	74,500	49%
ALL OTHER	180,660					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	55,874	90,400	62%	-	90,400	62%
SUN VALLEY	12,589	20,000	63%	4,750	24,750	51%
CANYON COUNTY	60,576	103,200	59%	-	103,200	59%
STATE STREET	36,844	82,000	45%	-	82,000	45%
CENTRAL ADA	36,635	74,500	49%	12,500	87,000	42%
ALL OTHER	181,190					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	56,284	90,400	62%	18,900	109,300	51%
SUN VALLEY	12,494	24,750	50%	-	24,750	50%
CANYON COUNTY	61,798	103,200	60%	35,800	139,000	44%
STATE STREET	37,337	82,000	46%	13,000	95,000	39%
CENTRAL ADA	37,233	87,000	43%	-	87,000	43%
ALL OTHER	183,672					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	56,680	109,300	52%	-	109,300	52%
SUN VALLEY	12,541	24,750	51%	-	24,750	51%
CANYON COUNTY	62,948	139,000	45%	-	139,000	45%
STATE STREET	37,942	95,000	40%	-	95,000	40%
CENTRAL ADA	37,757	87,000	43%	-	87,000	43%
ALL OTHER	184,324					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	57,067	109,300	52%	-	109,300	52%
SUN VALLEY	12,197	24,750	49%	-	24,750	49%
CANYON COUNTY	63,948	139,000	46%	-	139,000	46%
STATE STREET	38,489	95,000	41%	-	95,000	41%
CENTRAL ADA	38,206	87,000	44%	-	87,000	44%
ALL OTHER	185,267					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	57,261	109,300	52%	-	109,300	52%
SUN VALLEY	12,219	24,750	49%	-	24,750	49%
CANYON COUNTY	64,815	139,000	47%	-	139,000	47%
STATE STREET	38,845	95,000	41%	-	95,000	41%
CENTRAL ADA	38,783	87,000	45%	-	87,000	45%
ALL OTHER	186,314					

Lateral Capacity Summary By Year, Weather: Normal, Growth: Normal

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	56,030	90,400	62%	-	90,400	62%
SUN VALLEY	12,554	20,000	63%	-	20,000	63%
CANYON COUNTY	59,452	103,200	58%	-	103,200	58%
STATE STREET	36,364	82,000	44%	-	82,000	44%
CENTRAL ADA	36,259	74,500	49%	-	74,500	49%
ALL OTHER	180,620					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	57,122	90,400	63%	-	90,400	63%
SUN VALLEY	12,784	20,000	64%	4,750	24,750	52%
CANYON COUNTY	61,486	103,200	60%	-	103,200	60%
STATE STREET	37,412	82,000	46%	-	82,000	46%
CENTRAL ADA	36,898	74,500	50%	12,500	87,000	42%
ALL OTHER	184,042					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	57,982	90,400	64%	18,900	109,300	53%
SUN VALLEY	12,942	24,750	52%	-	24,750	52%
CANYON COUNTY	62,891	103,200	61%	35,800	139,000	45%
STATE STREET	38,482	82,000	47%	13,000	95,000	41%
CENTRAL ADA	37,434	87,000	43%	-	87,000	43%
ALL OTHER	186,957					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	58,787	109,300	54%	-	109,300	54%
SUN VALLEY	13,098	24,750	53%	-	24,750	53%
CANYON COUNTY	64,333	139,000	46%	-	139,000	46%
STATE STREET	39,584	95,000	42%	-	95,000	42%
CENTRAL ADA	37,975	87,000	44%	-	87,000	44%
ALL OTHER	191,317					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	59,496	109,300	54%	-	109,300	54%
SUN VALLEY	13,255	24,750	54%	-	24,750	54%
CANYON COUNTY	65,774	139,000	47%	-	139,000	47%
STATE STREET	40,701	95,000	43%	-	95,000	43%
CENTRAL ADA	38,506	87,000	44%	-	87,000	44%
ALL OTHER	193,680					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	60,210	109,300	55%	-	109,300	55%
SUN VALLEY	13,359	24,750	54%	-	24,750	54%
CANYON COUNTY	66,892	139,000	48%	-	139,000	48%
STATE STREET	41,848	95,000	44%	-	95,000	44%
CENTRAL ADA	39,037	87,000	45%	-	87,000	45%
ALL OTHER	195,743					

Lateral Capacity Summary By Year, Weather: Normal, Growth: High

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	56,031	90,400	62%	-	90,400	62%
SUN VALLEY	12,557	20,000	63%	-	20,000	63%
CANYON COUNTY	59,456	103,200	58%	-	103,200	58%
STATE STREET	36,372	82,000	44%	-	82,000	44%
CENTRAL ADA	36,261	74,500	49%	-	74,500	49%
ALL OTHER	180,607					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	57,278	90,400	63%	-	90,400	63%
SUN VALLEY	12,908	20,000	65%	4,750	24,750	52%
CANYON COUNTY	61,884	103,200	60%	-	103,200	60%
STATE STREET	37,980	82,000	46%	-	82,000	46%
CENTRAL ADA	37,110	74,500	50%	12,500	87,000	43%
ALL OTHER	186,262					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	58,527	90,400	65%	18,900	109,300	54%
SUN VALLEY	13,216	24,750	53%	-	24,750	53%
CANYON COUNTY	63,940	103,200	62%	35,800	139,000	46%
STATE STREET	39,626	82,000	48%	13,000	95,000	42%
CENTRAL ADA	37,586	87,000	43%	-	87,000	43%
ALL OTHER	192,696					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	59,614	109,300	55%	-	109,300	55%
SUN VALLEY	13,495	24,750	55%	-	24,750	55%
CANYON COUNTY	66,705	139,000	48%	-	139,000	48%
STATE STREET	41,226	95,000	43%	-	95,000	43%
CENTRAL ADA	38,144	87,000	44%	-	87,000	44%
ALL OTHER	199,703					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	61,815	109,300	57%	-	109,300	57%
SUN VALLEY	13,798	24,750	56%	-	24,750	56%
CANYON COUNTY	68,746	139,000	49%	-	139,000	49%
STATE STREET	42,913	95,000	45%	-	95,000	45%
CENTRAL ADA	38,756	87,000	45%	-	87,000	45%
ALL OTHER	203,345					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	62,917	109,300	58%	-	109,300	58%
SUN VALLEY	14,030	24,750	57%	-	24,750	57%
CANYON COUNTY	70,584	139,000	51%	-	139,000	51%
STATE STREET	44,852	95,000	47%	-	95,000	47%
CENTRAL ADA	39,242	87,000	45%	-	87,000	45%
ALL OTHER	206,361					

Lateral Capacity Summary By Year, Weather: Design, Growth: Low

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	84,155	90,400	93%	-	90,400	93%
SUN VALLEY	20,327	20,000	102%	-	20,000	102%
CANYON COUNTY	93,461	103,200	91%	-	103,200	91%
STATE STREET	71,058	82,000	87%	-	82,000	87%
CENTRAL ADA	70,982	74,500	95%	-	74,500	95%
ALL OTHER	257,522					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	84,374	90,400	93%	-	90,400	93%
SUN VALLEY	20,397	20,000	102%	4,750	24,750	82%
CANYON COUNTY	95,785	103,200	93%	-	103,200	93%
STATE STREET	72,119	82,000	88%	-	82,000	88%
CENTRAL ADA	71,827	74,500	96%	12,500	87,000	83%
ALL OTHER	258,319					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	85,192	90,400	94%	18,900	109,300	78%
SUN VALLEY	20,344	24,750	82%	-	24,750	82%
CANYON COUNTY	98,291	103,200	95%	35,800	139,000	71%
STATE STREET	73,217	82,000	89%	13,000	95,000	77%
CENTRAL ADA	73,105	87,000	84%	-	87,000	84%
ALL OTHER	261,521					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	86,007	109,300	79%	-	109,300	79%
SUN VALLEY	20,430	24,750	83%	-	24,750	83%
CANYON COUNTY	100,663	139,000	72%	-	139,000	72%
STATE STREET	74,533	95,000	78%	-	95,000	78%
CENTRAL ADA	74,246	87,000	85%	-	87,000	85%
ALL OTHER	263,027					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	86,837	109,300	79%	-	109,300	79%
SUN VALLEY	20,118	24,750	81%	-	24,750	81%
CANYON COUNTY	102,769	139,000	74%	-	139,000	74%
STATE STREET	75,753	95,000	80%	-	95,000	80%
CENTRAL ADA	75,269	87,000	87%	-	87,000	87%
ALL OTHER	264,930					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	87,363	109,300	80%	-	109,300	80%
SUN VALLEY	20,171	24,750	81%	-	24,750	81%
CANYON COUNTY	104,635	139,000	75%	-	139,000	75%
STATE STREET	76,621	95,000	81%	-	95,000	81%
CENTRAL ADA	76,545	87,000	88%	-	87,000	88%
ALL OTHER	267,157					

Lateral Capacity Summary By Year, Weather: Design, Growth: High

2021	Base Year (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Existing Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	84,215	90,400	93%	-	90,400	93%
SUN VALLEY	20,347	20,000	102%	-	20,000	102%
CANYON COUNTY	93,554	103,200	91%	-	103,200	91%
STATE STREET	71,149	82,000	87%	-	82,000	87%
CENTRAL ADA	71,008	74,500	95%	-	74,500	95%
ALL OTHER	257,774					

2022	Year 2 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	86,475	90,400	96%	-	90,400	96%
SUN VALLEY	20,926	20,000	105%	4,750	24,750	85%
CANYON COUNTY	98,257	103,200	95%	-	103,200	95%
STATE STREET	74,429	82,000	91%	-	82,000	91%
CENTRAL ADA	72,614	74,500	97%	12,500	87,000	83%
ALL OTHER	266,437					

2023	Year 3 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	88,674	90,400	98%	18,900	109,300	81%
SUN VALLEY	21,427	24,750	87%	-	24,750	87%
CANYON COUNTY	102,190	103,200	99%	35,800	139,000	74%
STATE STREET	77,799	82,000	95%	13,000	95,000	82%
CENTRAL ADA	73,659	87,000	85%	-	87,000	85%
ALL OTHER	275,175					

2024	Year 4 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	90,738	109,300	83%	-	109,300	83%
SUN VALLEY	21,902	24,750	88%	-	24,750	88%
CANYON COUNTY	107,152	139,000	77%	-	139,000	77%
STATE STREET	81,093	95,000	85%	-	95,000	85%
CENTRAL ADA	74,873	87,000	86%	-	87,000	86%
ALL OTHER	284,802					

2025	Year 5 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	93,926	109,300	86%	-	109,300	86%
SUN VALLEY	22,401	24,750	91%	-	24,750	91%
CANYON COUNTY	111,311	139,000	80%	-	139,000	80%
STATE STREET	84,592	95,000	89%	-	95,000	89%
CENTRAL ADA	76,206	87,000	88%	-	87,000	88%
ALL OTHER	291,125					

2026	Year 6 (Dth)					
Area of Interest	Total Peak Day	Existing Capacity	% of Capacity	Planned Capacity Upgrade	Existing + Upgrade Capacity	% of Existing + Upgrade Capacity
IDAHO FALLS	96,015	109,300	88%	-	109,300	88%
SUN VALLEY	22,804	24,750	92%	-	24,750	92%
CANYON COUNTY	115,098	139,000	83%	-	139,000	83%
STATE STREET	88,586	95,000	93%	-	95,000	93%
CENTRAL ADA	77,309	87,000	89%	-	87,000	89%
ALL OTHER	296,920					