

IGRAC #1

Date & time: 5/2/2023, 9:00 AM to 11:00 PM MT

Location: Microsoft Teams Meeting

Presenters: Brian Robertson, Min Park, Nicole Gyllenskog,

In attendance: Bruce Folsom, Kevin Keyt, Brian Robertson, Kathleen Campbell, Nicole Gyllenskog, Mark Sellers-Vaughn, Lori Blattner, Brenna Garro, Matthew Hunter, Min Park, Michael Parvinen, Teresa McKnight, Eric Wood, Susan Davidson, Zachary Sowards, Russ Nishikawa, Dave Swenson, Jennifer DeBoer, Robyn Sellers

Introduction

Brian Robertson, Supervisor of Resource Planning, opened the meeting by welcoming and thanking stakeholders for participating in Intermountain's IRP Process. Brian then proceeded with introductions, the agenda, a safety moment, and a reminder of the stakeholder engagement goals.

Presentation #1 – 2021 IRP Acknowledgement and IRP Recommendations (Brian Robertson)

- Recommendations
 - Quantify effects of new building code changes
 - Provide capacity and cost information
 - Ensure accuracy of savings estimates and assumptions from CPA
 - Enhance validation as more AMI data becomes available
 - Make IRP info available on website

Comment: Kathleen Campbell ensures they have more AMI data and will be using it

Presentation #2 – System Overview (Brian Robertson)

- Large Volume 47% Residential 34% Commercial 17%
- Areas of Interest
 - Canyon County
 - Central Ada County Lateral
 - North of State Street Lateral
 - Sun Valley Lateral
 - Idaho Falls Lateral
 - All Other Customers

Question: “Are there multiple lines from Pocatello to Idaho Falls?”

Answer: “The Idaho Falls lateral runs from Pocatello to St. Anthony. Along the lateral there is a couple sections that have looped to reinforce the lateral. The Idaho Falls lateral has seen significant growth over the last couple of IRP's” – Kathleen Campbell

Presentation #3 – Economic Forecast (Brian Robertson)

- Nonagricultural employment decreased by 7.9% in Recession of '08
- April 2020 saw 9.8% decline due to pandemic
- Since 2010 Idaho's population increased 14%

- Fastest growing state in 2020, 2021, and second fastest in 2022
- 1.13% population growth/year projected 2023-2030

Presentation #4 – Residential & Commercial Growth (Brian Robertson)

- Forecast inputs
 - Woods and Poole population and employment
 - Historical customer count
- ARIMA model with Fourier term

Question: “How are you defining customer?”

Answer: “Based on meter count and unique ID” – Lori Blattner, Kathleen Campbell, Brian Robertson

Question: “Does Sun Valley account for snow melt in customer count seasonality?”

Answer: “No we don’t include snow melt because those are interruptible customers” – Kathleen Campbell

Presentation #5 – Heating Degree Days & Design Weather (Min Park)

- Heating Degree Day based off 65 degrees
- 30-day rolling average of daily mean temperatures
- Design Degree Days model coldest temperature from Design Peak Day
- Peak Day modeled to occur Jan 15

Presentation #6 – Large Volume Customer Forecast (Nicole Gyllenskog)

- 149 large volume customers make up 47% of sales
- Minimum of 200,000 therms per contract year to be LVC
- Start with historic trends and add customer trends

Question: “At what point are you restrained by capacity on NWP?”

Answer: “We will have a discussion about this IGRAC 3” – Brian Robertson

Answer: “For T3, T4 contracts (most LVCs) the gas supply purchasing, and transportation is the customer or gas marketers’ responsibility” – Dave Swenson

Answer: “NWP is Bi-directional and has fewer constraints in Intermountain territory than over in Cascade territories” – Kathleen Campbell

Answer: “Gas storage has increased to serve Intermountain customers and pipeline constraints in Intermountain’s service territory has not been a concern yet.” – Mark Sellers-Vaughn

Presentation #7 – Load Demand Curves (Brian Robertson)

- Load Demand Curve = (Customer Forecast * HDD *Use Per Customer) – DSM + LV Forecast

Comment: “Analyst to analyst questions and discussion is important, and should be done frequently” – Bruce Folsom

The Meeting was Adjourned – IGRAC #2 will be held on June 8, 2023 @ 9 AM MT