

IGRAC #3

Date & time: 8/2/2023, 9:00 AM to 12:00 PM MT

Location: Microsoft Teams Meeting

Presenters: Brian Robertson, Devin McGreal, Kathleen Campbell, Zachary Sowards, Jenny De Boer

In attendance: Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Kathleen Campbell, Zachary Sowards, Jenny De Boer, Nicole Gyllenskog, Eric Wood, Kevin Keyt, Rick Keller, Michael Parvinen, Min Park, Susan Davidson, Bruce Folsom, Teresa McKnight

Introduction

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

Presentation #1 – Load Demand Curves (Brian Robertson)

- Based on Design Weather Conditions
- Low, Base, and High Growth Core Market Customer Projections
- Customer usage per Degree Day
- MDFQ for Large Volume Customers
- Customer per Degree Day * HDD * Forecasted Core Customers = Total Daily Usage
- Total Daily Usage – Demand Side Management + Large Volume MDFQ = Total Daily Usage

Question: “When you look at the total daily usage does that include DSM? It looks like DSM is double counted.”

Answer: “The first total daily usage in the equation is through historic use and then forecasted future DSM is added in as well” – Brian Robertson

Question: “Demand does not include interruptible, correct?”

Answer: “This is purely firm contract demand, no interruptible.” – Brian Robertson

Presentation #2 – Potential Capacity Enhancements (Kathleen Campbell, Zachary Sowards)

- Reinforcements required to meet 2028 growth predictions
 - Payette Gate Upgrade, 2024
 - New Plymouth Gate Upgrade, 2024
- Canyon County AOI
 - Requires enforcements by 2023 to meet IRP growth predictions
 - Bottleneck on Ustick road
- State Street Lateral AOI
 - Requires enforcements by 2025 & 2026 to meet IRP growth predictions
 - Bottleneck on State Street and on Linder Road
- Central Ada AOI
 - Requires reinforcements by 2023 to meet IRP growth predictions
 - Bottleneck on Meridian Road and Victory Road
- Sun Valley Lateral AOI
 - Requires enforcements by 2023 to meet IRP growth predictions

- End of line pressure to Ketchum
- Idaho Falls Lateral AOI
 - Requires reinforcements by 2024 to meet IRP growth predictions

Question: “If projects were accepted in a previous IRP, are they looked at again for each IRP cycle?”

Answer: “Yes, they are looked over again to ensure they are necessary” – Kathleen Campbell

Question: “Doesn’t Payette include its own direct natural gas connection?”

Answer: “I can check and follow up with that” – Kathleen Campbell

Answer: “I can address that, nothing out there currently is being added to the Intermountain system” – Eric Wood

Question: “Looking at phase III is that a reconstruction of an existing line?”

Answer: “We had already done phase I and phase II, and the cost was prohibitive to run a new line, so we continued with the planned upgrade.” – Kathleen Campbell

Question: “Could you give some insight on what it takes to upgrade?”

Answer: “We have to go through pressure tests, apply for permits, physically do a leak survey, etc.” – Kathleen Campbell

Question: “What type of compressors do you use are they natural gas fired or electric (Shoshone compressor)?”

Answer: “It is natural gas fired.” – Zachary Sowards

Question: “What is the discharge vs suction pressure (Blackfoot compressor station)?”

Answer: “I will double check before writing the narrative, but discharge is 700 pounds and suction is 500 pounds.” – Zachary Sowards

Comment: “It would be nice to see your upgrade summary include 2019/2021 IRP costs to see how much costs have increased.”

Answer: “Yes, with inflation things have changed. I have provided current costs, but I can also provide previous costs. One of the cost drivers is the cost of land, especially in the Idaho Falls Lateral.” – Kathleen Campbell

Question: “Do you do a full life cycle analysis of compressors when you evaluate type of compressors you use for these projects?”

Answer: “We did include Net Present Value calculations for these upgrades.” – Brian Robertson

Question: “Does that include NPV for all compressor options?”

Answer: “Yes, we did that for the compressor options including maintenance over a 20-year period.” – Kathleen Campbell

Presentation #3 – Resource Optimization (Jenny De Boer, Brian Robertson)

- Transportation Shortfall Solves
 - Contract Renewals
 - GTN Xpress
 - Alternative Transportation Uptake
 - Renewable Natural Gas

Question: “When did you start using PLEXOS?”

Answer: “In the beginning of 2022” – Brian Robertson

Question: “What is your time intervals associated with your model? Is it daily?”

Answer: “Yes, it is daily.” – Brian Robertson

Question: “Is PLEXOS used just for demand or is it also used for dispatch?”

Answer: “We have only used PLEXOS for planning purposes so far.” – Brian Robertson

Question: “Is your load looking into system constraints to meet the load?”

Answer: “Yes, for our core customers” – Brian Robertson

Question: “What is the measurement being used, dekatherms?”

Answer: “Yes, dekatherms.” – Brian Robertson

The Meeting was Adjourned

Action Items:

1. Consider adding in 2019/2021 costs of the upgrade summary into the IRP narrative for comparison with current price.