



Targeted TAG #6 – TAG Meeting

Date & time: 09/2/2026, 9:00 AM to 10:00 AM

Location: Microsoft Teams Meeting

Presenters: Kathleen Campbell, Brian Robertson

In attendance: Brian Robertson, Kathleen Campbell, Byron Harmon, Russ Nishikawa, Jenny DeBoer, Arabella Blomstedt, Eric Wood, Bruce Folsom, Zachary Sowards, Michael Meyers, Jodie Albert, Noemi Ortiz, Gordon Gimse, Lucas Hamilton, Renie Sorensen, Travis Jacobson, Jennifer Gross, Rose Pileggi, Chad Stokes, Carolyn Stone, Madison Bolton, Megan Koelzer, Kyle Morrill, Aboubakr Abdalla, Mouhamad Ahmad, Zachary Harris, Kai Hiatt, Kim Herb, Ryan Kern, Matt Steele, Ryan Denton, Klima Vigilija, Chris Robbins, Steven Nevels, Mark Sellers-Vaughn, Jason Verduzco, Adam Shick, Shawna Nieraeth, Emily Dougan, Heide Caswell

Presentation #1 – Safety Moment

- Brian Robertson gave a quick safety presentation on pedestrian safety. Always be on the lookout for pedestrians and especially children, reduce speed during inclement weather, avoid distracted driving, use sidewalks and market crosswalks.

Presentation #2 – Distribution System Modeling

- Kathleen gives an overview of what will be covered.
- She discusses the system dynamics, such as different pipeline sizes, materials, and the various facilities the Company operates as well as includes some photos for a visual example.
- She presents a simplified diagram showing the overall general distribution system from upstream to downstream.
- Kathleen then explains Synergi Gas modeling. This is used in the industry for hydraulic modeling software that helps predict flows and pressures on the system based on gas demand, and she provides a visual diagram to show a Synergi model example.
- She covers the general modeling building process. This includes exporting GIS data to build models, exporting CC&B data for demand files, and creating design day models.

Question: “Historical includes the company's Climate Change methodology from the demand forecast?”

Answer: Kathleen and Brian respond by clarifying that there is a climate change component to the modeling and growth rates at the annual rate, but peak day values are not declining over time.

- Kathleen continues to describe the data gathering process, including from the Company's customer billing data, SCADA, peak HDD, customer management module, and the calibrated vs peak degree day.
- She explains how demand-side management is incorporated into the modeling process. It is built into the 5-year growth predictions.

Question: In terms of the previously mentioned reinforcements over the next 5-year period, what signals the Company may be getting that may suggest said reinforcements are needed and if that gives the Company enough time explore and implement options.

Answer: Kathleen responds, clarifying that there are a variety of factors that go into these decisions as well as how the Company works with Energy Trust of Oregon (ETO), and that the criterion looked at is distribution system pressure (using a one-third pressure criterion and provides an example) and how this helps determine which areas to focus on.

Question: How many years into the future can the Company model.

Answer: Kathleen responds, noting that the Company could likely model however far into the future is desired but that reliability decreases with time.

Question: How does the Company model uniform and non-uniform load growth and its impact. Additionally, if records of these are kept.

Answer: Kathleen responds: the engineers are aware of developments in service areas that would impact growth in these ways. The model can then be adjusted to incorporate these types of factors, though it can give rise to modeling challenges. These can be recorded and noted in the modeling program.

Presentation #3 – Identification of System Deficits/Constraints

- Kathleen explains that a capacity deficit is a critical system that has reached a limiting capacity and some common examples of different types. She covers the growth modeling overview and how the Company models out 5-year growth to determine if or when a capacity deficit exists.

Question: Is the Company using Synergi for both steady-state and unsteady-state modeling.

Answer: Kathleen responds: the Company does perform both, but the growth modeling currently being discussed is steady-state. She also clarifies that it depends on the lateral and the specific dynamics related to that.

- Kathleen continues to cover how every two years a comprehensive review of each distribution system is performed to ensure reliable service to customers, while also doing complete system reviews on an annual basis. If any potential deficits are identified, an analysis is performed for alleviating that.

Presentation #4 – Distribution Enhancement/Reinforcement Options to Address Deficits

- Kathleen covers options that are available to address any deficits that may occur. This includes pipeline replacements, reinforcements, loops, back feeds, pressure increases, and uprates. Additional options include facility upgrades, additional regulator stations, border stations, compressor stations, and non-pipe alternatives.
- She then goes over an example situation where the pressure is too low on part of the system and how that can be addressed, while providing visuals that assist in the explanation.
- She provides several considerations that are taken into account for any potential enhancements, which include scope, cost, capacity increase, timing, system benefits, alternative analysis, and environmental impact.
- She covers the enhancement system guidelines such as wanting the shorted segment of pipe that addresses the deficiency, best possible construction conditions, minimizing environmental impacts, opportunities for adding additional customers, and total construction costs.

- She provides a diagram showing the overall enhancement selection process.

Presentation #5 – Feedback for Cascade?

Question: Is the Company incorporating any declining customer count scenarios into this type of distribution enhancement project and planning processes and any potential pipeline pruning. Also, how the impact of climate policies are being factored into the analysis.

Answer: Kathleen responds: the Company is currently seeing growth and that is what the planning process is considering when making these decisions. The Company is monitoring this, adjusting and planning based on what is seen in combination with the scenarios that are considered in planning.

Presentation #6 – 2027 WA IRP Schedule

- Brian covers the IRP schedule going forward along with a diagram to highlight key dates. The next targeted TAG meeting will be on Wednesday, September 23, 2026.

The Meeting was Adjourned

Per Cascade Commitment #8 (Stakeholder Engagement Design Document, 2/22,2022: “Provide TAG minutes that include the action items from bullet #7 as well as any upcoming deadlines for feedback on the IRP”), here are additional action items to track, coming out of the TAG 6 meeting:

1. Cascade will continue to monitor the impact of climate policies on customer counts and usage and how this may impact Company operations.