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March 10, 2020

MEMORANDUM

TO: Council Members

FROM: Ben Kujala

SUBJECT: Briefing on the Analytical Process for the 2021 Power Plan

BACKGROUND:

Presenter: Ben Kujala

Summary: Continued from the February meeting, we covered through slide 51 of the presentation. We will pick up on slide 52 discussing the process to develop demand response supply curves.

Summary from February:

From May to September of 2019 staff gave multiple presentations to the Power Committee on the various anticipated analytical processes needed to develop the plan. This summarizes those presentation for a start-to-finish view of the analytics that support the plan.

Workplan: A. Develop the 2021 Power Plan

Background:

Related Power Committee presentations:

May 2019:

- [Forecast prices for natural gas and other fuels](#)
- [Forecast regional transportation fuel consumption](#)

- [Develop generating resource reference plants](#)
- [Develop demand response supply curves](#)

June 2019:

- [Develop energy efficiency supply curves and develop methodology for identifying cost effective energy efficiency measures](#)
- [Forecast load outside the Northwest](#)
- [Forecast electricity prices](#)
- [Forecast energy use with price effects, forecast energy use with frozen efficiency, and forecast electricity sales](#)

July 2019:

- [Establish global financial and economic assumptions](#)
- [Forecast the consumption of natural gas](#)
- [Develop MCS and surcharge methodology](#)
- [Establish existing system parameters and interpret state policies](#)

August 2019:

- [Method for determining quantifiable environmental costs and benefits](#)
- [Estimate system adequacy requirements](#)
- [Analyze resource strategies](#)

September 2019:

- [Develop cost-effective methods for providing reserves](#)