April 7, 2020

MEMORANDUM

TO: Council Members

FROM: Ben Kujala, Chad Madron

SUBJECT: Power Plan Project Timing Check-In

BACKGROUND:
Presenter: Ben Kujala, Chad Madron

Summary: Staff will provide an overview of power plan related presentations and findings to date and discuss schedule for the next six months of power committee work.
Updates to Timeline

• Key Point:
  • Proposing Moving Release of Draft to February 2021
  • Final in May or June 2021

• Reasons for Proposal:
  • Due to Covid-19 impacts adjustments, delays and office closures staff needed some additional time to finalize draft data inputs
  • Extended time needed for stakeholder engagement
Plan Related Presentations to the Power Committee or Full Council

- Scenario Analysis
  - Scenarios proposed for inclusion (07/2019)

- Resource Strategy
  - Briefings on Power Plan Analytical Process (02 & 03/2020)
  - Updates to RPM Methodologies (01/2020)
  - Overview of Plan and how the proposed resource strategy is developed (05/2019)

- Conservation and Energy Efficiency
  - Briefing on Lighting Standards and Considerations for the 2021 Power Plan (02/2020)
  - Update on planning parameters for EE supply curves (08/2019)
  - Draft EE Supply Curves (03/2020)

- Generation Resources
  - Draft natural gas reference plants & Draft conventional geothermal reference plant (02/2020)
  - Draft Pumped storage reference plant (12/2019)
  - Onshore Wind Generation Reference Plant (11/2019)
  - Solar, Battery Storage, and Solar + Battery Storage Reference Plants (10/2019)
  - Review of Existing System and WECC-Wide Coal Retirements (09/2019)
Plan Related Presentations to the Power Committee or Full Council

• Load and Price Forecasts
  • Updates to load and other forecasts based on GCM Selection (02/2020)
  • Further Detail on Load Forecast (10/2019)
  • Forecast of Draft Loads w/Frozen Efficiency for 2021 Power Plan/Related GCMs, (09/2019)
  • Economic drivers for the plan (04/2019)
  • Upstream Methane (01/2020)
  • Update on Wholesale Electricity Price Forecast and Avoided Emissions Rate (11/2019)
  • Natural Gas Price Forecast for 2021 Power Plan (11/2019)

• Climate Change
  • General Circulation Model Scenario Selection (11/2019)
  • Intro to Climate change and the 2021 power plan (04/2019)

PLUS:

• Draft DR Supply Curves (03/2020)
• Review State Clean Energy Policies and Impact on 2021 Plan Analysis
• Briefing on methodology for quantifying the environmental costs and benefits of new resources for the 2021 Power Plan (09/2019)
• Environmental Methodology Development Primer (8/2019)
• Establishing global financial and economic assumptions for the 2021 Power Plan (07/2019)
• Establish existing system parameters and interpret state policies (07/2019)
• Consistent Treatment of Quantifiable Resource Costs (03/2019)
• Proposed discount rate for the 2021 Power Plan (02/2019)
This Month

• Update on Climate Scenario Selection
• EE Typical Meteorological Year Adjustment
• Out of Region Load Forecast and CA Climate
• Inclusive Load Forecast
• BPA Load Forecast

May
- Generation Resources Summary Presentation
- Emerging Tech Reference Plant for Scenario Analysis
- Updates to Supply Curves for Scenario Analysis

June
- BPA Scenario Supply Curves

July
- System Adequacy (ASCC/ARM)
- Electricity Price Forecast

August
- Baseline Conditions Test Runs
- Early Coal Retirement Scenario

September
- EE Robustness
- Extra Regional Markets and Adequacy
- Markets for Energy/Capacity

October
- Greenhouse Gas Tipping Point
- Bonneville Portfolio