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.
2021 NW Power Plan Status
2021 Power Plan Work Schedule

2020

Q1

Test data used in models Nov - March

Supply Curves, Other Data Updates through advisory comms and brought to Power Comm.

Q2

Data inputs final for modeling

Model Set Ups Final

Q3

Model Based Analysis - March - October

Fish and Wildlife Program Final (July 2020)

Q4

Develop Plan Written Content - May - January

2020

Model Based Analysis - March - October

2021

Q1

Draft Plan Released Feb 2021

Q2

Updates after Comment Period

Public Hearings

Q3

Draft Plan Released Feb 2021

Q4

Power Plan Final May/June 2021

2021

THE 2021 NORTHWEST POWER PLAN

April 2020
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 - 04/2020)
  - Updates to RPM Methodologies (01/2020)
  - Overview of Plan and how the proposed resource strategy is developed (05/2019)

- Conservation and Energy Efficiency
  - EE Typical Meteorological Year Adjustment (04/2020)
  - Draft EE Supply Curves (03/2020)
  - Briefing on Lighting Standards and Considerations for the 2021 Power Plan (02/2020)
  - Update on planning parameters for EE supply curves (08/2019)

- Generation Resources
  - Update on historical regional greenhouse gas emissions (04/2020)
  - 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
  • BPA Load forecast (04/2020)
  • Out-of-region load forecast and California climate-inclusive load forecast (04/2020)
  • 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
  • Update on Climate Scenario Selection (04/2020)
  • General Circulation Model Scenario Selection (11/2019)
  • Intro to Climate change and the 2021 power plan (04/2019)
Plan Related Presentations to the Power Committee or Full Council

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 New Version of GENESYS
• Update on Existing System, Coal Retirements, and Policies
• EE Supply Curves for Baseline and for Scenario Analysis
• Impact of Covid-19 on the Power System
<table>
<thead>
<tr>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generation Resources</td>
<td>System Adequacy (ASCC/ARM)</td>
<td>Baseline Conditions Test Runs</td>
</tr>
<tr>
<td>Summary Presentation</td>
<td>Electricity Price Forecast</td>
<td>Early Coal Retirement Scenario</td>
</tr>
<tr>
<td>Emerging Tech Reference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant for Scenario Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BPA Scenario Supply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Curves</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>September</strong></td>
<td><strong>October</strong></td>
<td><strong>November</strong></td>
</tr>
<tr>
<td>EE Robustness</td>
<td>Greenhouse Gas Tipping Point</td>
<td>Pathways to Decarbonization</td>
</tr>
<tr>
<td>Extra Regional Markets</td>
<td>Bonneville Portfolio</td>
<td>Bonneville Portfolio Continued</td>
</tr>
<tr>
<td>and Adequacy</td>
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<tr>
<td>Markets for Energy/</td>
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<tr>
<td>Capacity</td>
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</tr>
</tbody>
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