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August 4, 2020

MEMORANDUM

TO: Council Members

FROM: Ben Kujala, Chad Madron


SUBJECT: Power Plan Project Timing Check-In

BACKGROUND:

Presenter: Ben Kujala, Chad Madron

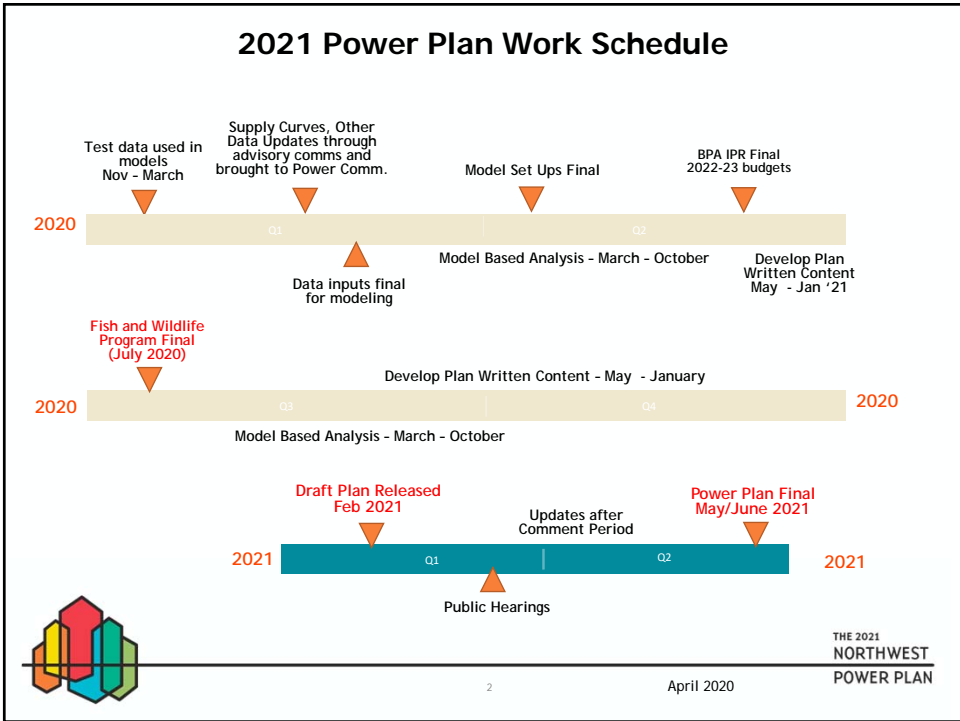
Summary: Staff will provide an overview of power plan related presentations and findings to date and discuss schedule for the next six months of power committee work.

2021 NW Power Plan Status



**THE 2021
NORTHWEST
POWER PLAN**
FOR A SECURE & AFFORDABLE
ENERGY FUTURE

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Plan Related Presentations to the Power Committee or Full Council

- Scenario Analysis
 - BPA scenario [update](#) (06/2020)
 - [Review](#) of Plan Scenarios – Part 1 (01/2020) & Part 2 (02/2020)
 - 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)



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Plan Related Presentations to the Power Committee or Full Council

- Conservation and Energy Efficiency
 - [EE Supply Curves](#) for Baseline and for Scenario Analysis (05/2020)
 - 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
 - [Summary](#) of primary generating resource reference plants and emerging tech reference plant for draft 2021 Power Plan (06/2020)
 - [Update](#) on Existing System, Coal Retirements, and Policies (05/2020)
 - [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)



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Plan Related Presentations to the Power Committee or Full Council

- Load and Price Forecasts
 - [Briefing](#) on upstream methane in Power Plan (06/2020)
 - [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)



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Plan Related Presentations to the Power Committee or Full Council

PLUS:

- [Development](#) of technical written material for the Power Plan (08/2020)
- [Stakeholder survey](#) regarding use of previous plan's written content and supporting materials (08/2020)
- [Update](#) on New Version of GENESYS (05/2020)
- 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)



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This Month

- Results from stakeholder survey on use of previous power plan content
- Load Forecast Updates
- Adequacy Update (ASCC/ARM) for 2021 Power Plan Part 1
- Update on WECC-Wide Clean Policy Wrap Up
- Electricity Price Forecast
- Initial Conservation Target Framework



September	October	November
<ul style="list-style-type: none">• Baseline Conditions Runs• EE Robustness• System Adequacy Part Two	<ul style="list-style-type: none">• Extra Regional Markets and Adequacy• Markets for Energy/Capacity• Coal Retirement Scenario	<ul style="list-style-type: none">• Greenhouse Gas Tipping Point• Pathways to Decarbonization• Bonneville Portfolio• Early written material review
December	January	February
<ul style="list-style-type: none">• Pathways Continued• Bonneville Portfolio Continued• Scenario findings summary• Written material for plan review	<ul style="list-style-type: none">• Written material for plan review	<ul style="list-style-type: none">• Written material for plan review• Release of Draft

