

**Richard Devlin**  
Chair  
Oregon

**Ted Ferrioli**  
Oregon

**Guy Norman**  
Washington

**Patrick Oshie**  
Washington



# Northwest **Power** and **Conservation** Council

**Bo Downen**  
Vice Chair  
Montana

**Jennifer Anders**  
Montana

**Jim Yost**  
Idaho

**Jeffery C. Allen**  
Idaho

July 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.

We will also provide an update on power plan process tasks and status of current work.

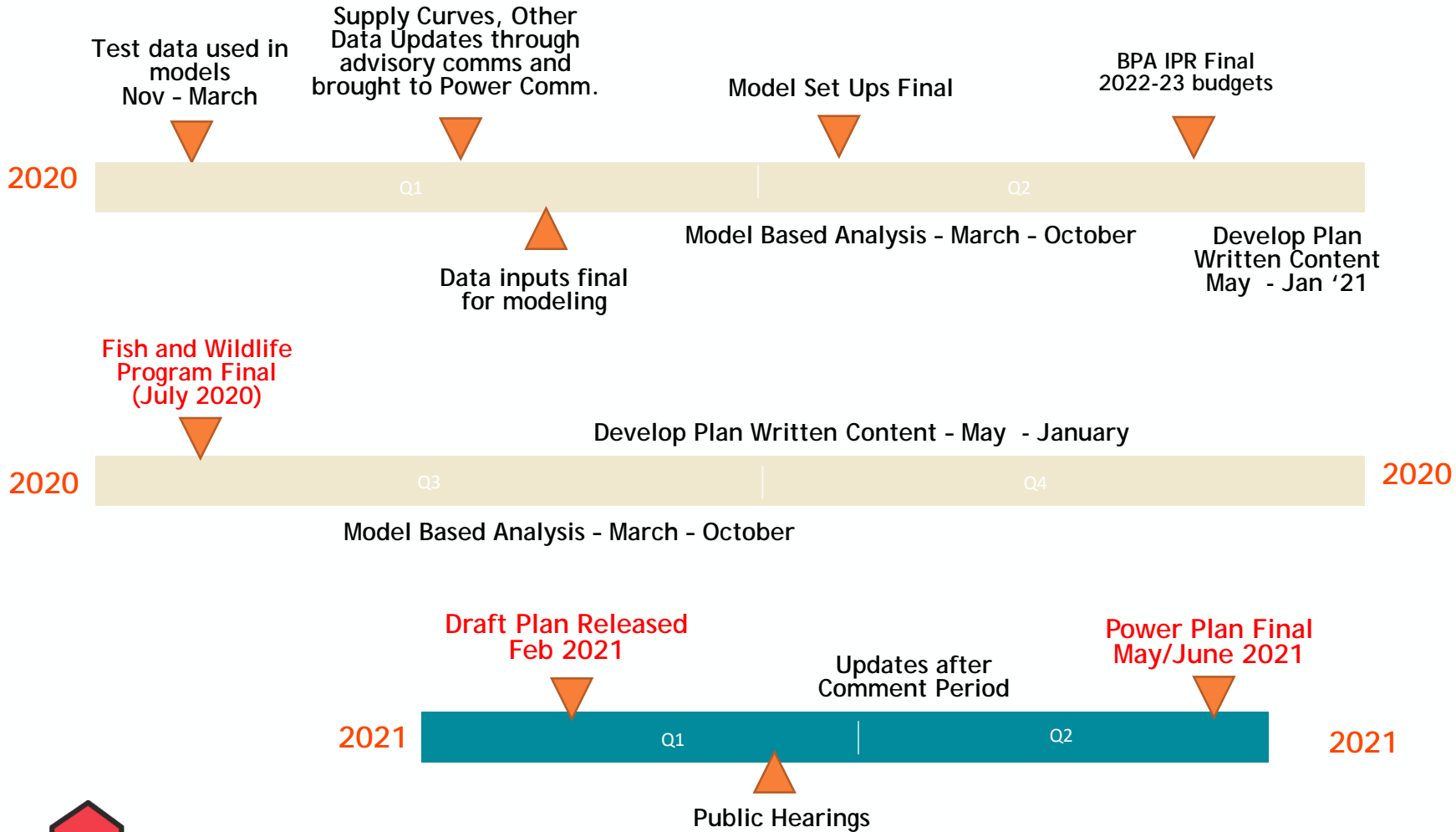
# 2021 NW Power Plan Status



THE 2021  
NORTHWEST  
POWER PLAN

FOR A SECURE & AFFORDABLE  
ENERGY FUTURE

# 2021 Power Plan Work Schedule



# 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)



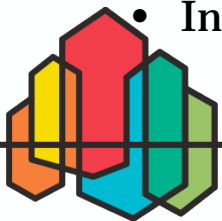
# Plan Related Presentations to the Power Committee or Full Council

- 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)



# 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)



# Plan Related Presentations to the Power Committee or Full Council

PLUS:

- 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)



# This Month

- Development of technical written material for the Power Plan
- Survey of existing stakeholders re: power plan written content





## August

- System Adequacy (ASCC/ARM)
- Electricity Price Forecast
- Municipal and Similar Policy Goals

## September

- Baseline Conditions Runs
- EE Robustness
- Extra Regional Markets and Adequacy

## October

- Markets for Energy/Capacity
- Greenhouse Gas Tipping Point
- Bonneville Portfolio

## November

- Pathways to Decarbonization
- Bonneville Portfolio Continued
- Early written material review

## December

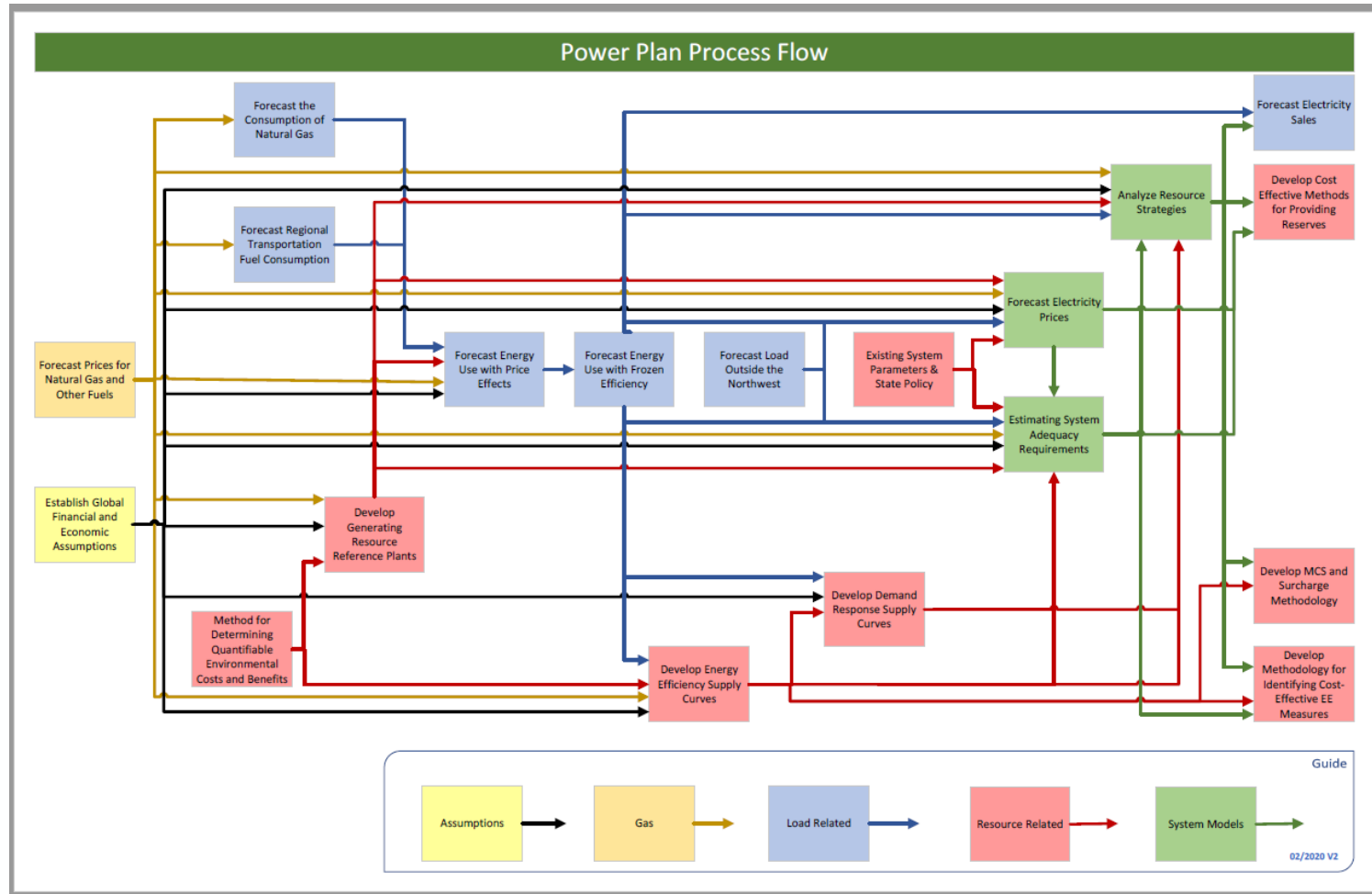
- Scenario findings summary
- Written material for plan review

## January

- Written material for plan review



# Plan Process Status



# Power Plan Process Flow

