

# *Pathway to Washington's Clean Energy Future*

**Energy Northwest**

February 2020

**2020**



**Nine Canyon Wind Project  
(96 MWe)**



**Columbia Generating  
Station (1,207 MWe)**



**White Bluffs Solar Station  
(38 KWe)**



**Portland Hydroelectric  
Project (37.5 MWe)**



**Teton Hydroelectric  
Project (15 MWe)**



**Packwood Lake Hydroelectric  
Project (27 MWe)**



**Horn Rapids Solar, Storage  
& Training Project**

# The Need for Transformation



## CETA

Clean Energy Transformation Act

**2025:** Phase out coal

**2030:** Greenhouse gas neutral

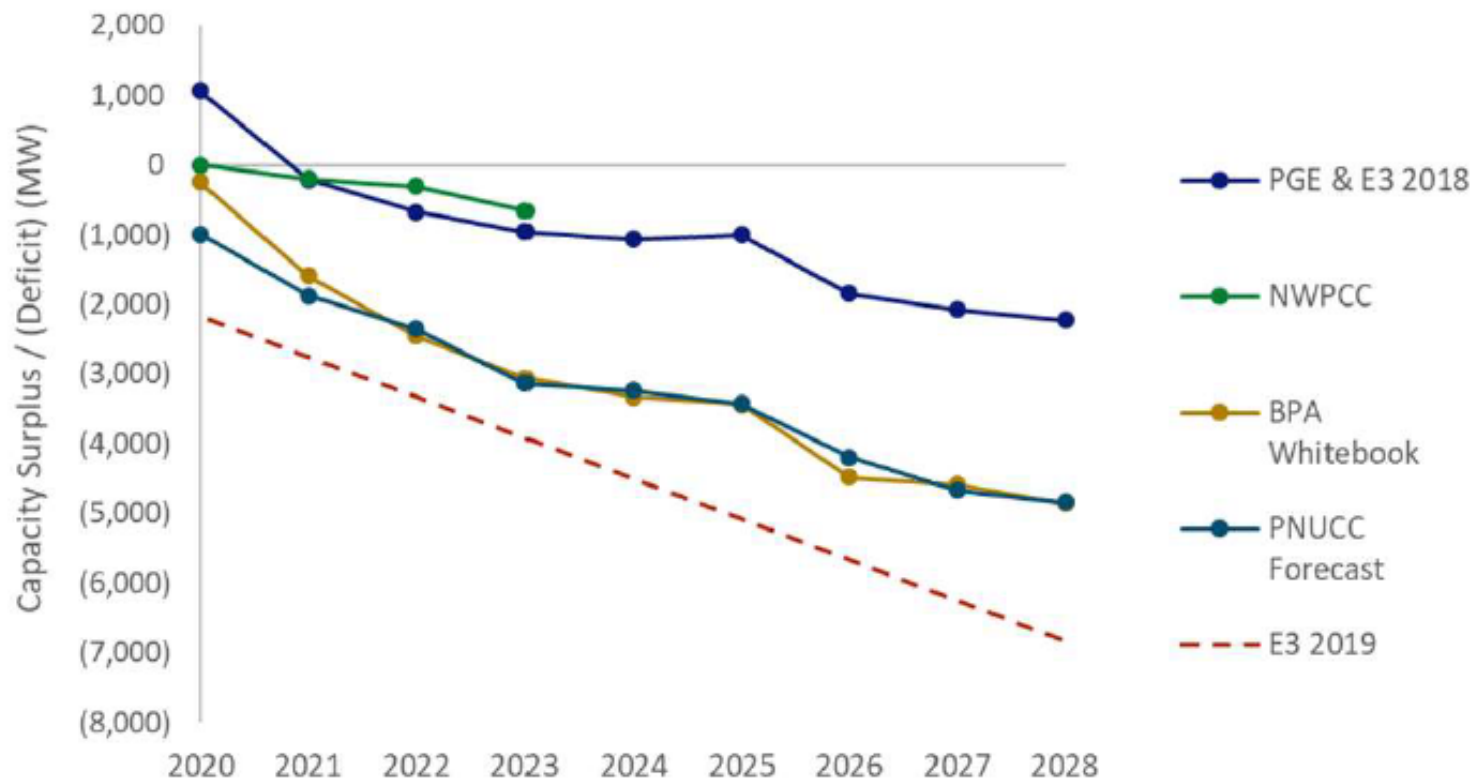
**2045:** 100% clean electricity



## Maintain Capacity

# The Importance of Capacity

## NW Capacity Surplus / Deficit in Recent Studies



# Energy Northwest Uniquely Positioned

- Joint Operating Agency of Washington – Public Power  
*(Not-for-Profit and provider of at-cost power to region)*
- 100% Carbon-free generation portfolio
- Experience successfully implementing participant-based projects and public private partnerships
- Expertise in wind, solar, hydro, storage & nuclear generation
- Expertise in electric vehicle charging infrastructure and demand response programs and projects
- Long-term vision

# Our Guiding Values



## Environmental Responsibility

- Carbon-free emissions
- Efficient use of natural resources



## Economic Responsibility

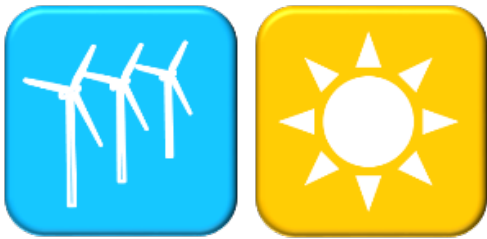
- Customer affordability
- Job transfer



## Reliability

- Sufficient capacity to meet peak loads
- Generation diversity
- Resource integration

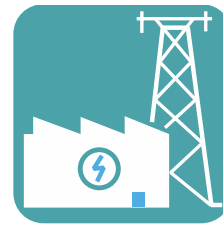
# Optimal Resource Mix under CETA



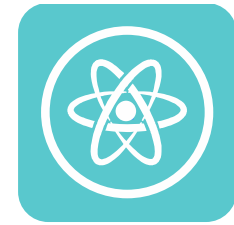
**Wind & Solar**  
(w/ storage)



**Hydro**



**Existing Nuclear**  
(Columbia)



**New Nuclear**  
(SMRs)

## Next Steps

- Continued evaluation of all clean resource options and extensive analysis of potential for SMRs to meet CETA goals
- Outreach to utilities to identify potential partners in Pacific Northwest
- Continued collaboration and consultation with policymakers, NGOs, labor, community organizations and key stakeholders
- Commitment to public engagement & transparency