



SOCIETY OF AMERICAN MILITARY ENGINEERS MEET THE CHIEFS

June 17, 2025



Erich Orth

**Supervisory Civil Engineer
Transmission Engineering
Project Management**

AGENDA

- Mission and Profile of BPA
- Program
- How to do business with BPA





Mission and Profile of BPA



BPA's Mission

As a public service organization, BPA's mission is to create and deliver the best value for our customers and constituents as we act in concert with others to assure the Pacific Northwest:

- An adequate, efficient, economical and reliable power supply
- A transmission system that is adequate to the task of integrating and transmitting power from federal and non-federal generating units, providing service to BPA's customers, providing interregional interconnections, and maintaining electrical reliability and stability
- Mitigation of the impacts on fish and wildlife from the federally owned hydroelectric projects from which BPA markets power

BPA's Profile

- Self-financed Federal Power Marketing Administration (PMA) under the Department of Energy (DOE)
- Congress created BPA with Bonneville Power Act of 1937 to deliver and sell the power from the Federal Columbia River Power System (FCRPS)
 - BPA Power Services markets wholesale electrical power from 31 federal hydroelectric projects in the Northwest, one nonfederal nuclear plant and several small nonfederal power plants.
 - BPA provides about 28% of the electric power generated in the Northwest.



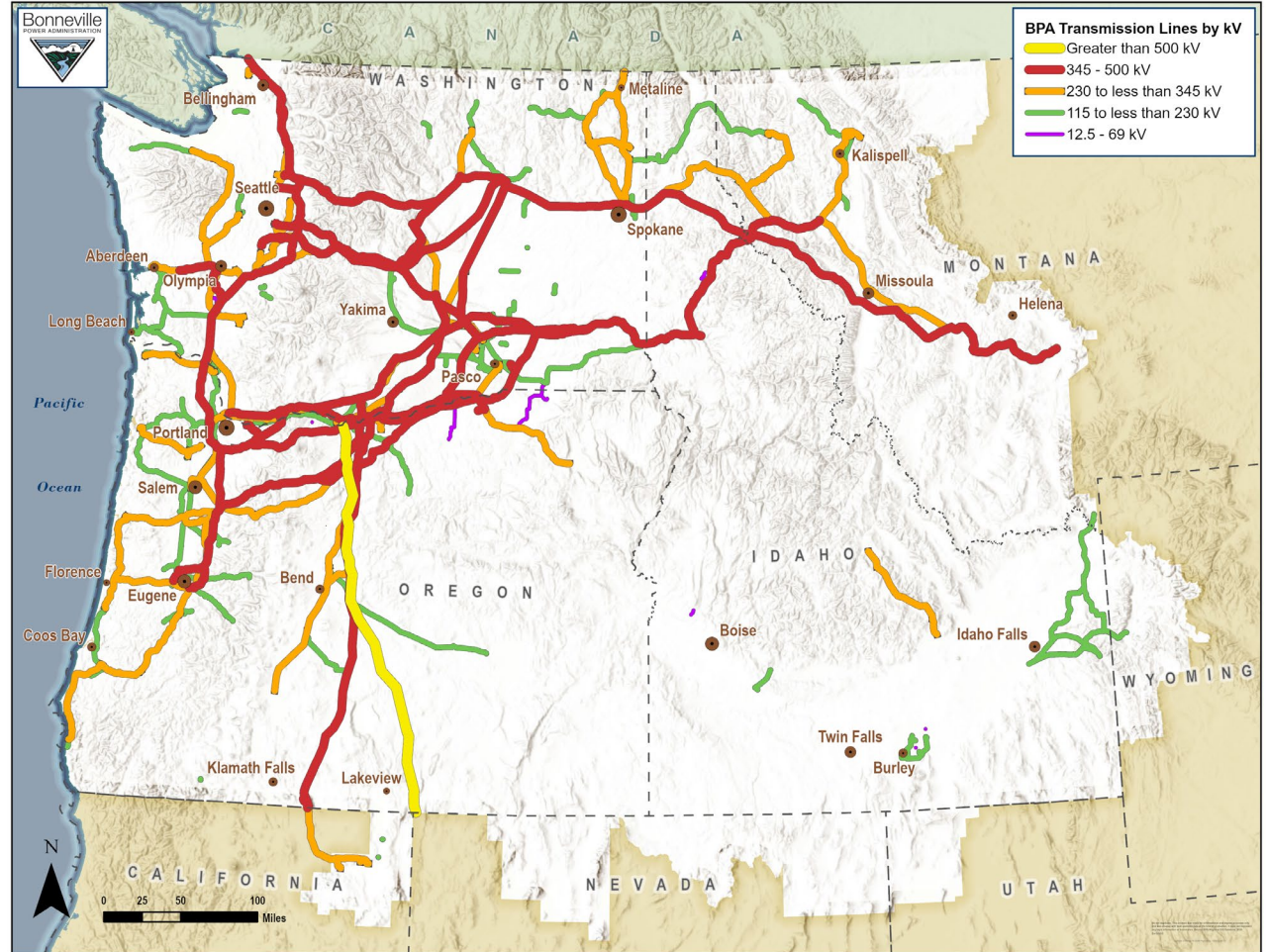
FCRPS:

- 31 federal dams
- 300,000 square mile service area
- ~15,000 miles of Transmission



BPA Transmission System

- Total energized BPA circuit miles: 14,792
 - 115 > 230 kV: 3,695
 - 230 > 345 kV: 5,378
 - 345 - 500 kV: 5,301
 - + 500 kV: 264
- 284 BPA owned and energized substations
- 248 radio stations



BPA's Transmission Capital Program

- Facilities construction & maintenance
- Transmission system design and construction
- Environmental programs, services, and studies
- Realty studies and acquisition support



Five-Year Transmission Capital Forecast



Enhance the
value of products
and services

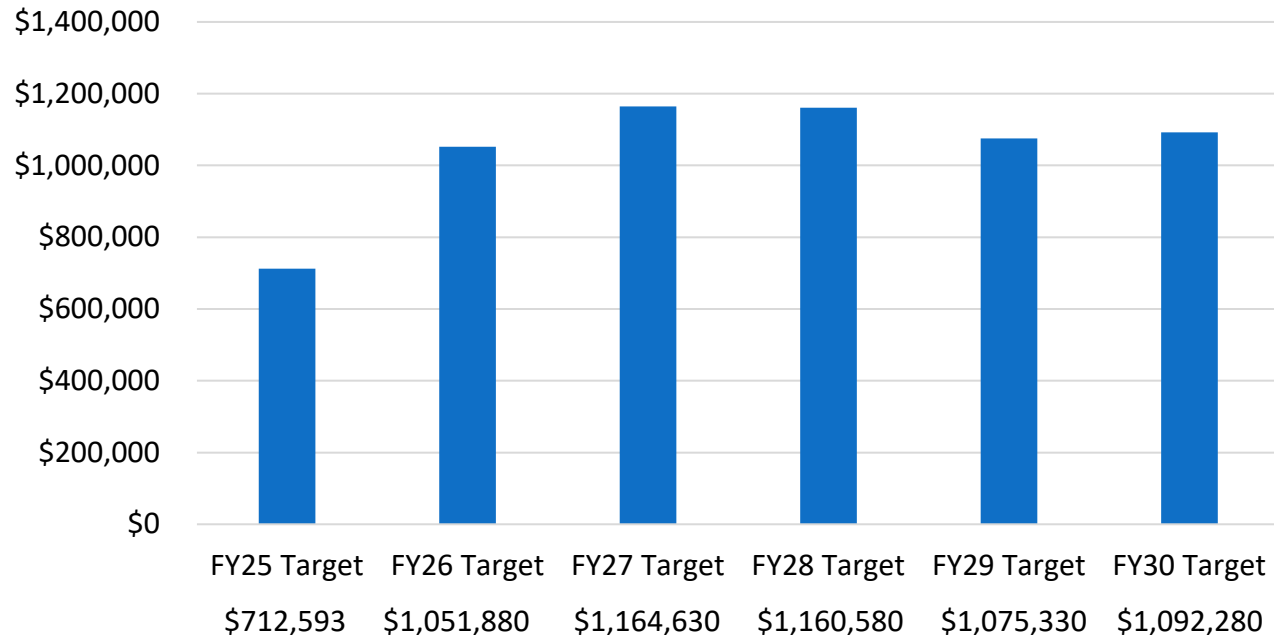


Mature asset
management



Sustain financial
strength

Transmission Total Capital 5-year Forecast* (thousands)



*Source: FY25:SOY; FY26-30: Transmission 2024 Strategic Asset Management Plan (SAMP)



Transmission Engineering

Project Management



Transmission Engineering

- Project Management Office
 - Telecom, Facility, & Security (TEPF)
 - Transmission Lines (TEPL)
 - Substation (TEPS)
 - Secondary Capacity Model (TEPP)





Secondary Capacity Model (TEPP)



Secondary Capacity Model (SCM)

- SCM is an alternative outsourcing program which minimizes use of in-house resources
- It uses a combination of an Owner's Consultant (OC) and Engineer-Procure-Construct (EPC) contractors
 - OC performs scoping, preliminary design and oversight of the EPC contractors
 - EPC provides detailed designs, material & equipment, construction, environmental management and realty services

Secondary Capacity Model

- Manages ~40% of BPA's Transmission Portfolio
- Typical SCM projects are large greenfield additions & expansions to existing system
- Started solicitation to expand pool of EPC contractors to handle increase in projects
- If interested, call Erich Orth @ 360-619-6559 or email @ etorth@bpa.gov



How to do business with BPA



How to do Business with BPA

- BPA does not follow the Federal Acquisition Regulation (FAR)
- BPA follows the **Bonneville Purchasing Instructions (BPI)**
 - Issued by the Head of the Contracting Activity under the authority of the Bonneville Project Act.
 - Establishes BPA-wide policies and procedures for the purchase of supplies and services, including construction services.



How to do Business with BPA (Cont.)

- Vendors seeking to do business with BPA may visit the ***Buying or Selling Products or Services*** page for more information.
 - **www.bpa.gov**
 - **Energy & Services**
 - **Customer & Contractor Services**
 - **Buying or Selling Products or Services**
- Send an email to: **NewBusiness@bpa.gov**

QUESTIONS

