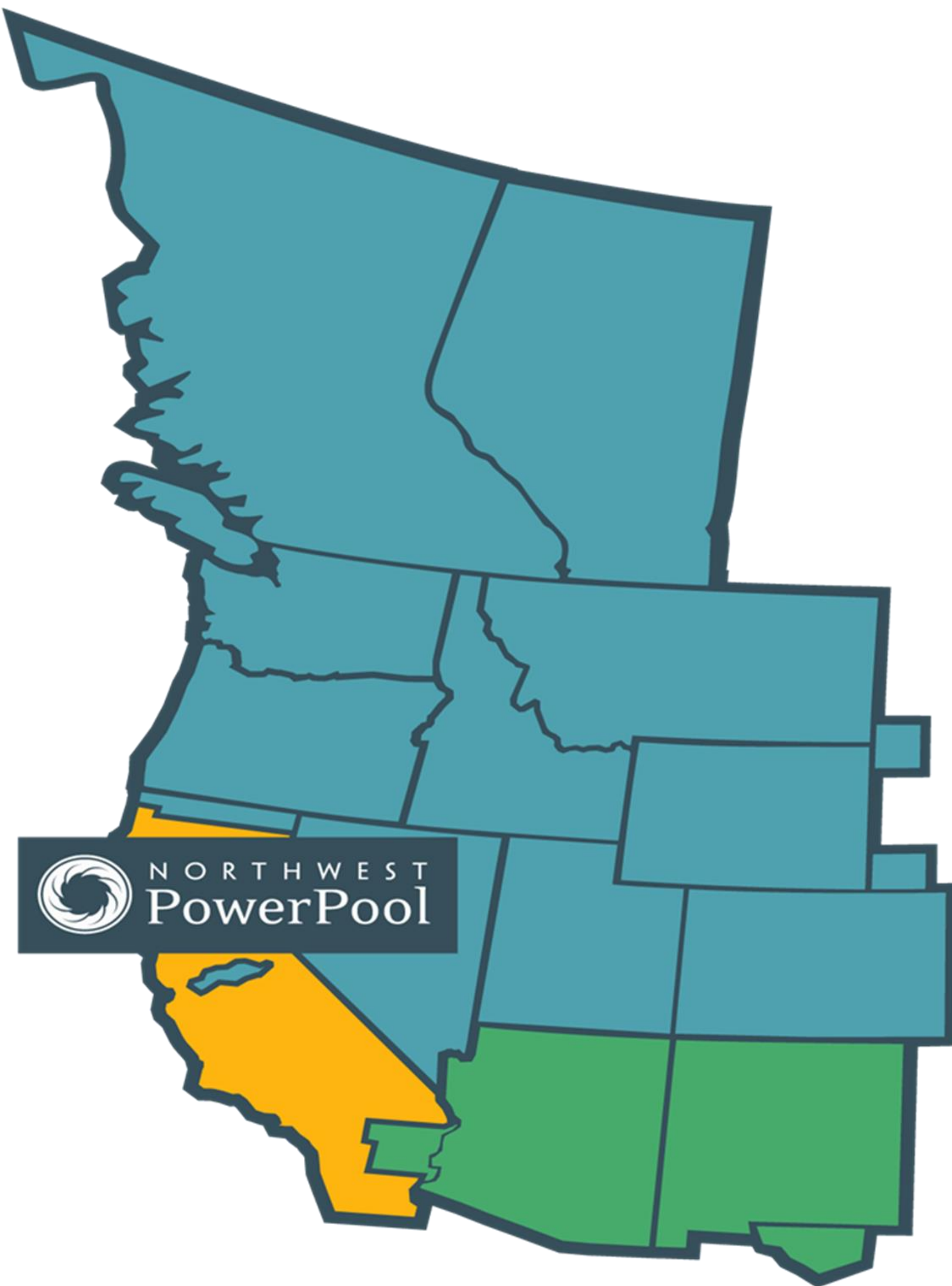


NWPP RESOURCE ADEQUACY UPDATE

OREGON SENATE COMMITTEE ON ENERGY & ENVIRONMENT
FEB. 11, 2021

FRANK AFRANJI
NWPP PRESIDENT
JANUARY 29, 2021





Agenda

- » Background
- » Current Status
- » Conceptual Design
- » Detailed design
- » Timeline
- » Next Steps

HOW DID WE GET HERE?

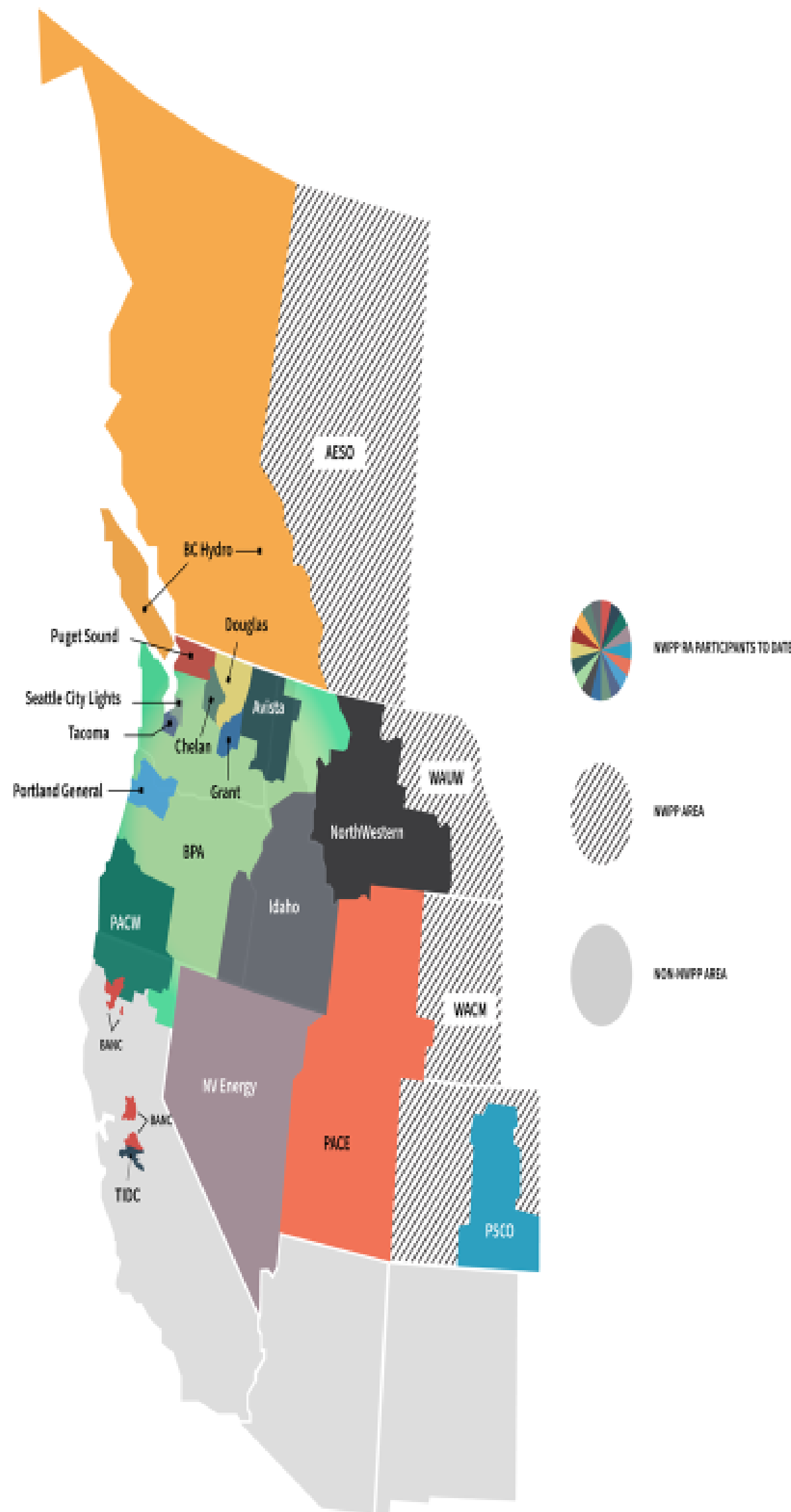
- The NWPP report: *Exploring a Resource Adequacy Program for the Pacific Northwest, 2019* identified planning deficiencies in NWPP's footprint
 - › *Planning is state- and utility-specific*
 - › *Planning entities use different standards and methods*
 - › *As a result, the region lacks insight into its overall resource situation*
- As a result of the 2019 Report, NWPP and its member utilities are moving forward to design a regional RA program for NWPP members

» RA Program Participants

- › A total of 20 NWPP members have committed to fund the next phase of the program's development

» Members include:

- › Avista, B.C. Hydro/Powerex, BPA, CALPINE, Chelan PUD, Douglas PUD, EWEB, Grant PUD, Idaho Power, Northwestern Energy, NV Energy, PacifiCorp, Portland General Electric, PUBLIC SERVICE OF COLORADO, Puget Sound Energy, SMUD/Banc, Seattle City Light, Snohomish PUD, Tacoma Power, Turlock Irrigation District



BENEFITS OF A REGIONAL RA PROGRAM

– **TRANSPARENCY**

- Regional approach to RA can inform a more comprehensive solution
- Consistent standards among members

– **EFFICIENCY**

- Opportunity to access diversity benefits

– **CONFIDENCE**

- Confidence in regional RA needs

MAIN PROGRAM ELEMENTS

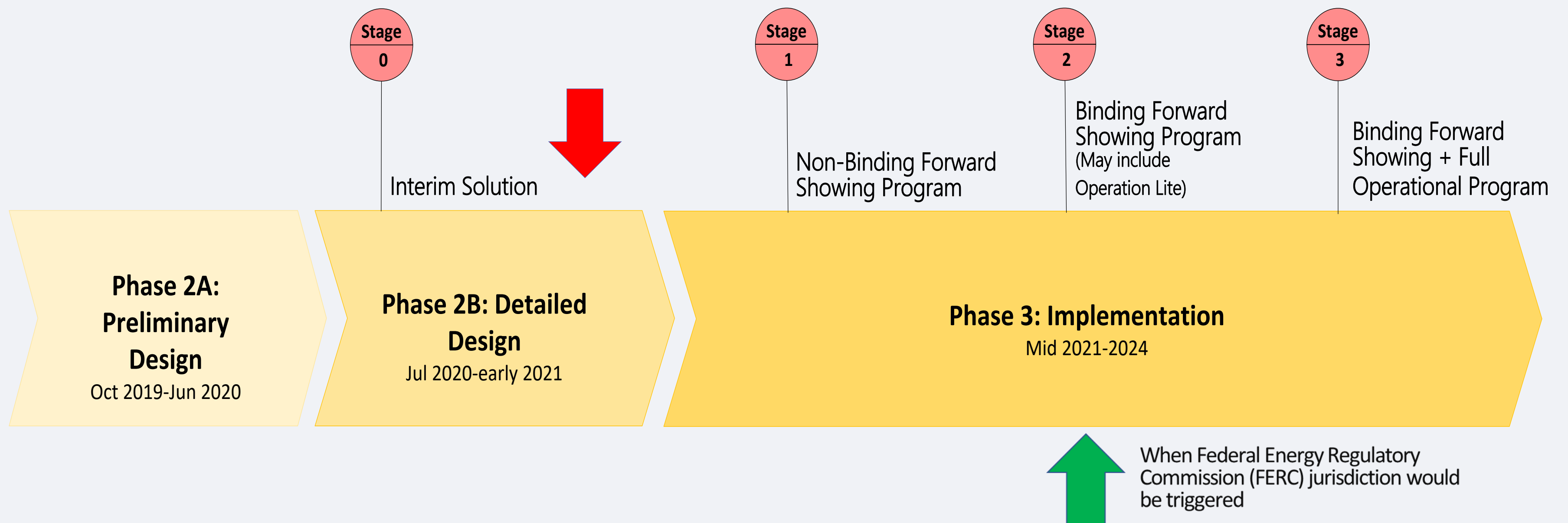
Forward Showing

- Entities prove they meet regional metrics months in advance of a season
- Ensures reliability benefits

Operational

- Unlocks investment cost savings through diversity benefits / access to pooled resources in operational time horizon (day ahead and/or real time)

OVERVIEW OF PROJECT TIMELINE



NEXT STEPS

(6 - 9 MONTHS)

- › Continue to work on detailed design
- › Address governance structure
- › Continue state and stakeholder engagement
- › Implementation of first stage expected to commence mid-2021

Conceptual Design document can be found here:

https://www.nwpp.org/private-media/documents/2020-08-21_RAPDP_PublicCD.pdf