



Utility Energy Forum

Anita J. Decker, Executive Director

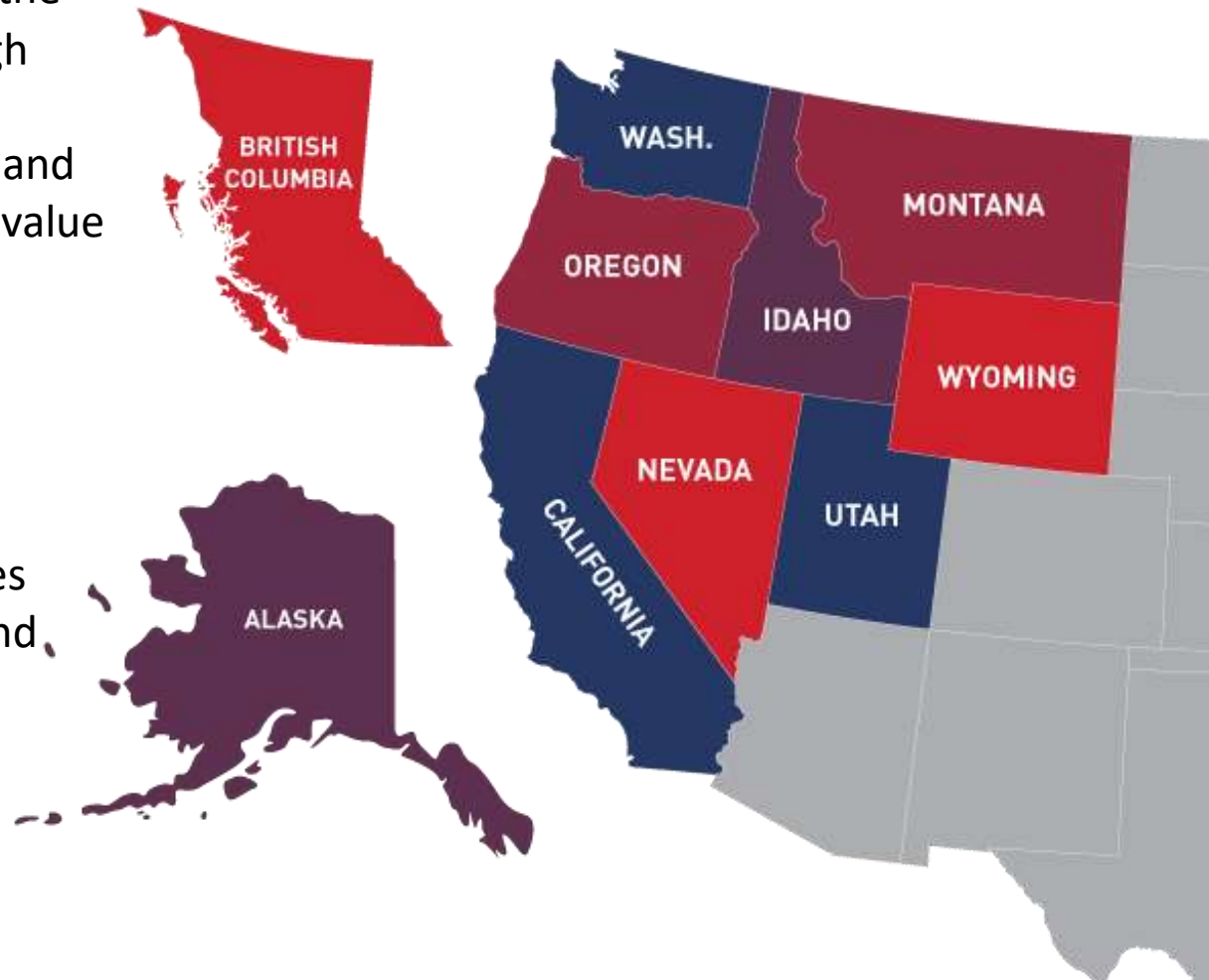
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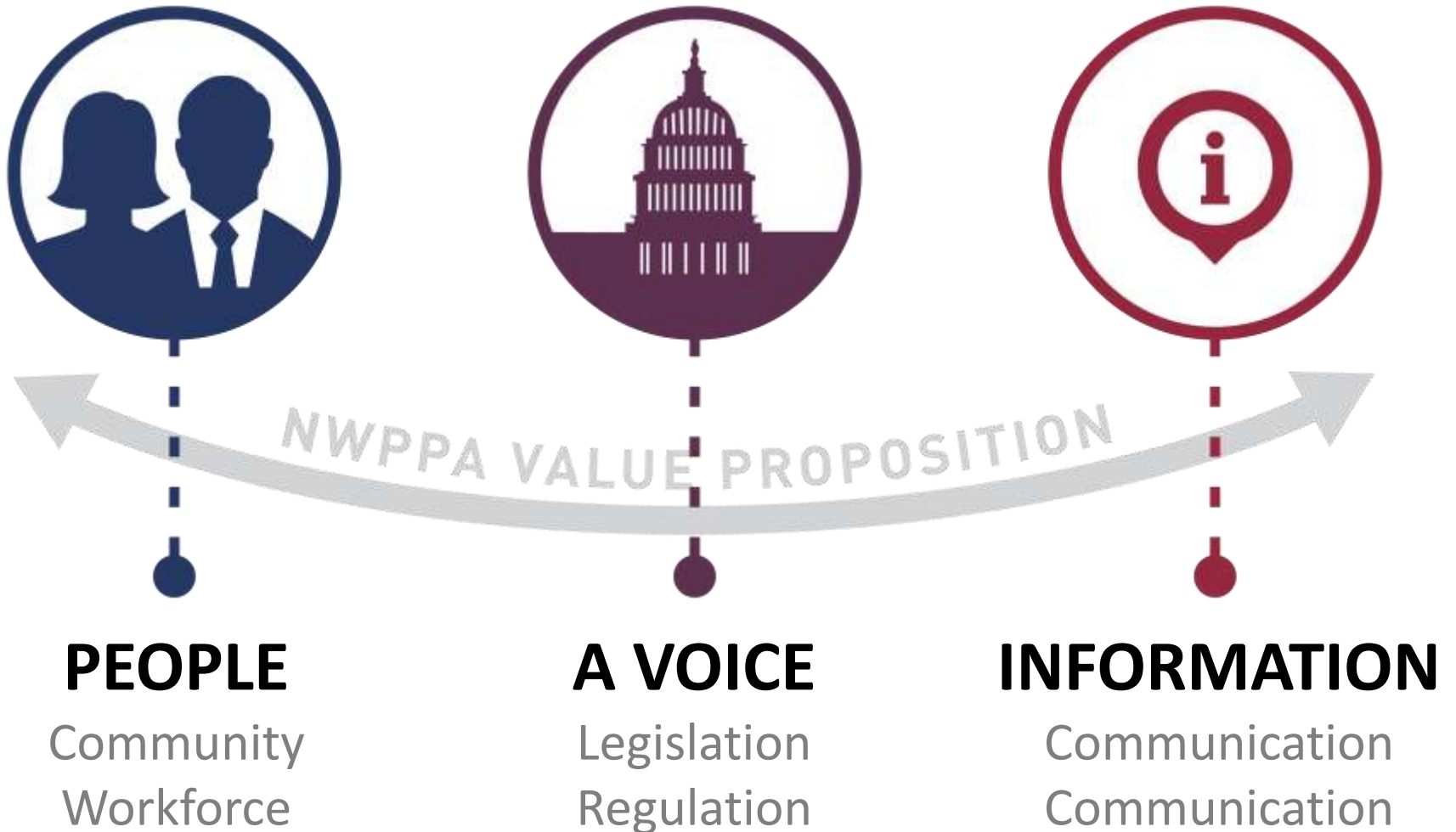
NWPPA: Who We Are

Our mission is to enhance the success of the members through education, training, timely communication, governmental and regulatory relations, and other value added services.

We represent 155 public power consumer-owned utilities in the Western United States and Canada and over 300 Associate Member companies.



Three Part Solution



Cost, Consumers and Competency

What's keeping utility managers up at night?

- Costs
- Consumers
- Competency



Costs

Cost of basic infrastructure

- Transparency
- Reductions in energy use are catching up with us
 - Energy efficiency
 - Customer self-determination
 - Technology



Costs

Costs of energy - fluctuations in energy costs

- Competitiveness
- Gas prices
- Renewables penetration
- Customer self-determination
 - Individually (solar/battery) or in groups (CCAs)



Consumers

Prosumer movement - done for me lately?

- Lights on not enough
- Resource mix
- Access
- EVs, Apps, and other cool thing



Consumers

Turning to third-parties for energy expertise



- Lump utilities in with 'govmt' - low credibility
- Need to talk WITH consumers, not at consumers

Competency

Training and Education

- Training is gaining a specific skill
- Education is expanding knowledge

Both are needed today more than ever -
generational turn over

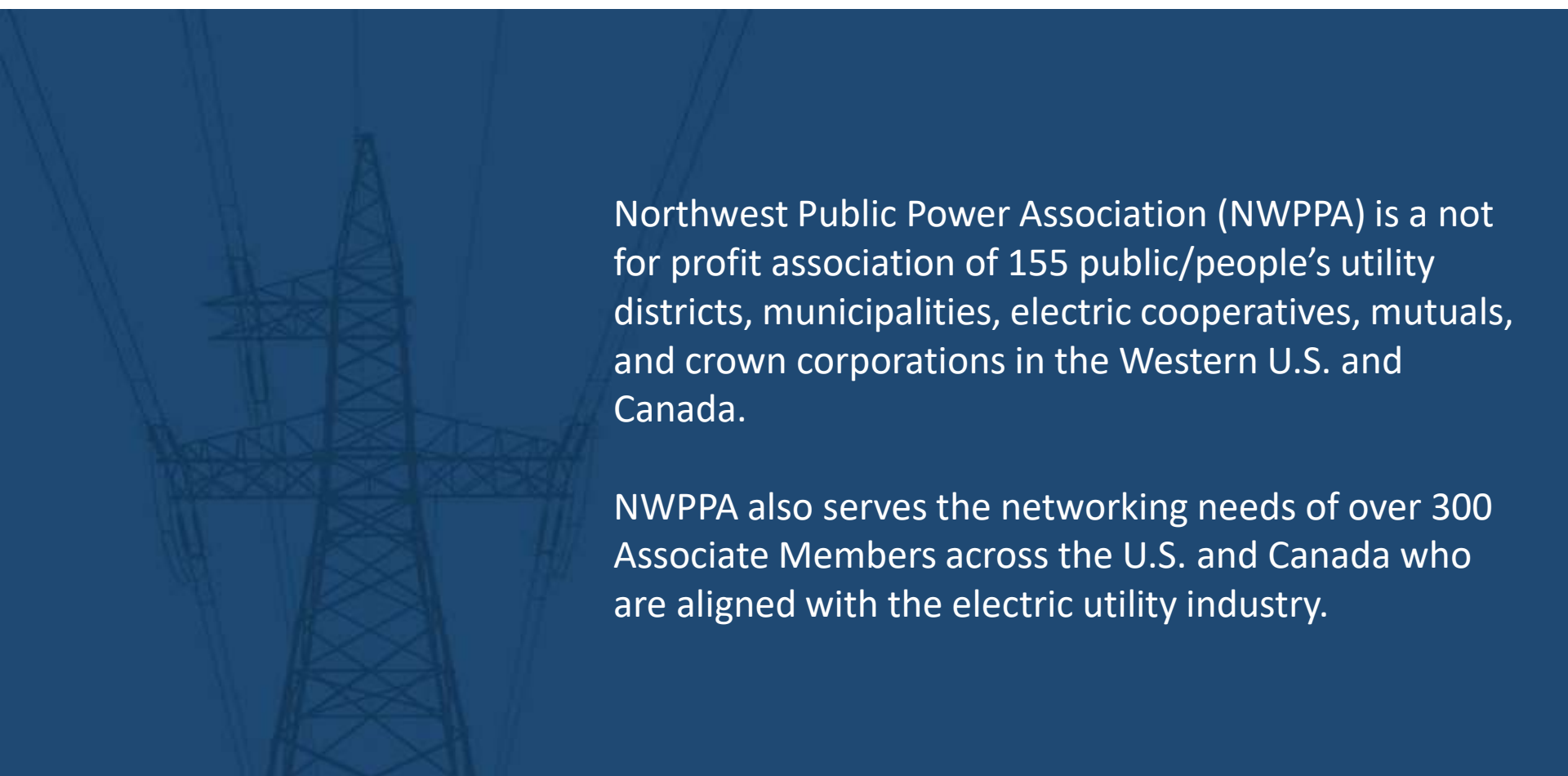


Conclusion

The way we have always done it will not be how we do it.

Costs, Consumers and Competency

- Data and what to do with it
- Continuous integration of technology and reading the tea leaves for the future
- Churn of investments with shorter lifespans



Northwest Public Power Association (NWPPA) is a not for profit association of 155 public/people's utility districts, municipalities, electric cooperatives, mutuals, and crown corporations in the Western U.S. and Canada.

NWPPA also serves the networking needs of over 300 Associate Members across the U.S. and Canada who are aligned with the electric utility industry.

NWPPA
Northwest Public Power Association