Snohomish County PUD Background

- Largest Public Utility District in Washington State
- 13th largest publicly owned utility in the US
- Over 350,000 electric customers, 21,000 water customers
- Covers 2,200 square miles in Snohomish County and Camano Island
- Expecting about 20,000 new customers over next 7 years
- Directed by 3 Elected Commissioners
Utility of the Future Strategic Initiatives

- **Electric Vehicle Strategy**
  - Education and awareness, support customer EV adoption, grid optimization

- **Distributed Energy Resource Planning/Non-wires Solutions**
  - Cross-functional team developing DER and energy efficiency based solutions to address traditional distribution system issues
  - DER can include solar, batteries, energy efficiency and demand control
  - Transactive energy: Facilitate energy exchanges between customers

- **Arlington Microgrid**
  - Renewable energy integration
  - Disaster preparedness
  - Vehicle-to-grid

- **Solar**
  - Community Solar at Arlington Microgrid
  - Leverage community solar learnings to inform future solar offerings

- **Distribution Automation (DA)**
  - Deployment field devices and communication system to optimize grid and increase reliability
  - 10 circuits deployed, 13 additional circuits under deployment

- **Advanced Distribution Management System (ADMS)**
  - Advanced applications for DER management, fault restoration and storm response

- **Advanced Metering Infrastructure (AMI)**
  - Incentivize deployment of DER and shape customer usage behavior
  - Rate structure re-design