

## › Building the Grid of Tomorrow – Today! ‹

Snohomish PUD's SnoSMART program is building the grid of the future. Smart, self-healing and responsive, this new grid will lead to reduced outage times, decreased wildfire risk and improved grid efficiency.

### Customer Benefits

#### Smart devices = Reduced outage times

Smart reclosers coupled with our advanced meter communication network will allow PUD grid operators to isolate outages and re-route power, restoring power to many customers in minutes instead of hours. This technology can identify the location of a problem on the grid and recommend steps to restore as many customers as possible.

#### Wireless technology = Decreased wildfire risk

Leveraging smart reclosers and a communication network, PUD grid operators will be able to remotely switch equipment to wildfire safety settings, a job that now requires PUD field personnel to drive out to each device to manually operate. This allows the PUD to react more quickly to forecasted conditions in high-risk areas, reducing the risk of sparking a fire. It also means fewer PUD vehicles on the road.

#### Real-time voltage control = Improved grid efficiency

Smart voltage regulators and capacitor bank controls will give PUD operators the ability to better control voltage on our system and react in real-time. This technology can allow the PUD to operate the grid more efficiently, saving energy and money.



U.S. DEPARTMENT  
of ENERGY

### The Grid of Tomorrow – Today! Thanks to the Department of Energy

The PUD's SnoSMART Program is being partially funded through a DOE Grid Resilience and Innovation Partnerships (GRIP) grant. The \$30 million grant will accelerate these grid advancements from 20 years to five.

– See back for more information –



# The Equipment

Installation of smart grid equipment will make the grid automated, remotely controlled and more efficient.



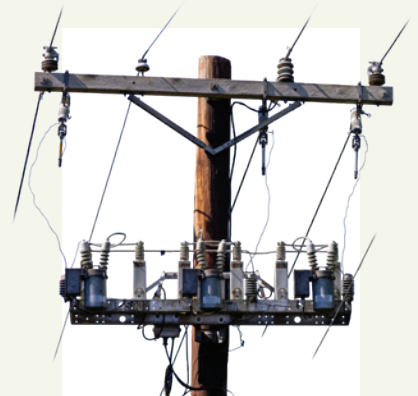
**3-Phase Reclosers:**  
Feed data into PUD systems and can be remotely controlled, allowing faults to be quickly isolated. *(For one on a pole, see reverse)*



**Single-Phase Reclosers:**  
Allow equipment to be placed in wildfire protective settings remotely; also doesn't release hot metal when open like current fuses.

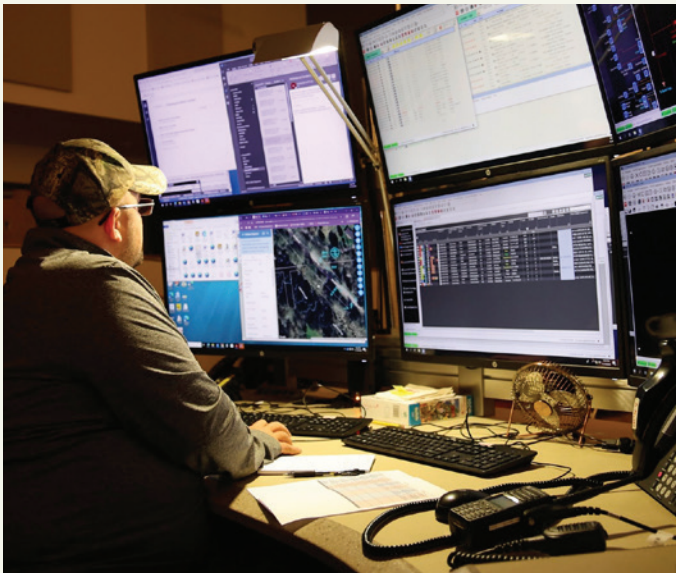


**Voltage Regulators:**  
Automatically adjust voltage incrementally across the grid, maintaining consistency and providing efficiency.



**Capacitor Bank Controls:**  
Work with other equipment to automatically regulate power and line voltage and communicate with PUD systems.

**Timeline:** Equipment and devices to be installed through 2029



## The System

SnoSMART implementation will give PUD grid operators control of new automated devices deployed across the grid. It will also collect and analyze data from these devices and provide action recommendations. The new system will provide greater insight and control of the grid, a true leap forward in reliability, safety and efficiency that will benefit all PUD customers.

**Timeline:** Implementation scheduled for Sept. 2027 (Baseline System) and Sept. 2029 (Advanced Applications)



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