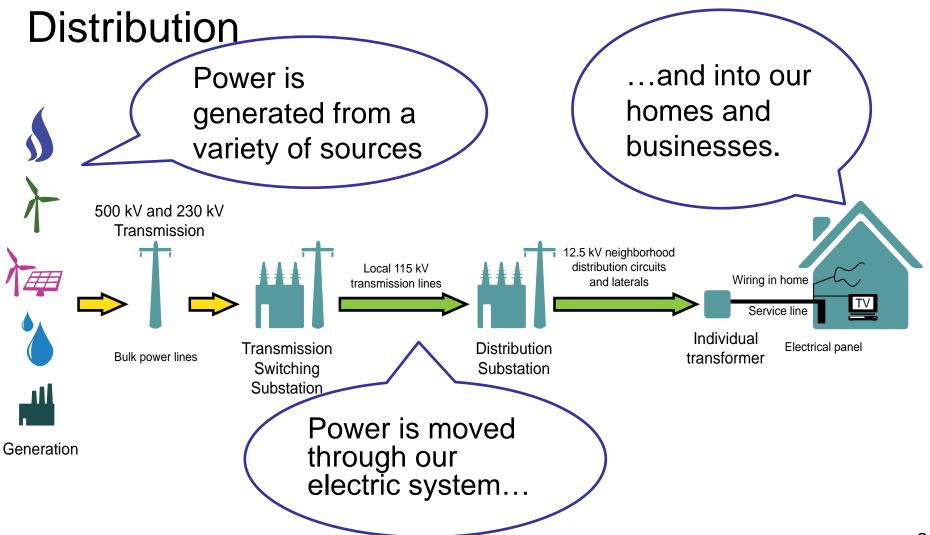


Sammamish-Juanita 115 kV Project

Powering the Northern Redmond-Kirkland Area



How power gets to you





What's the problem?

Capacity means being able to supply **enough** power

- Demand for power is growing
- Demand for power is pushing limits of system capacity

 Our job is to keep your lights on and we need a reliable system to do so





Reliable means keeping power on even when parts of the system are down

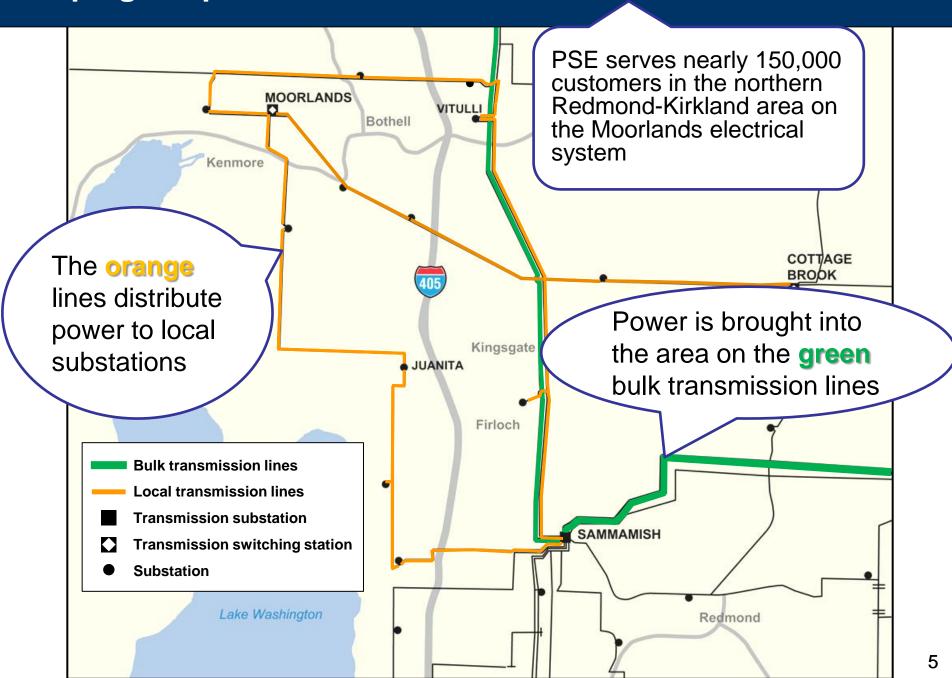




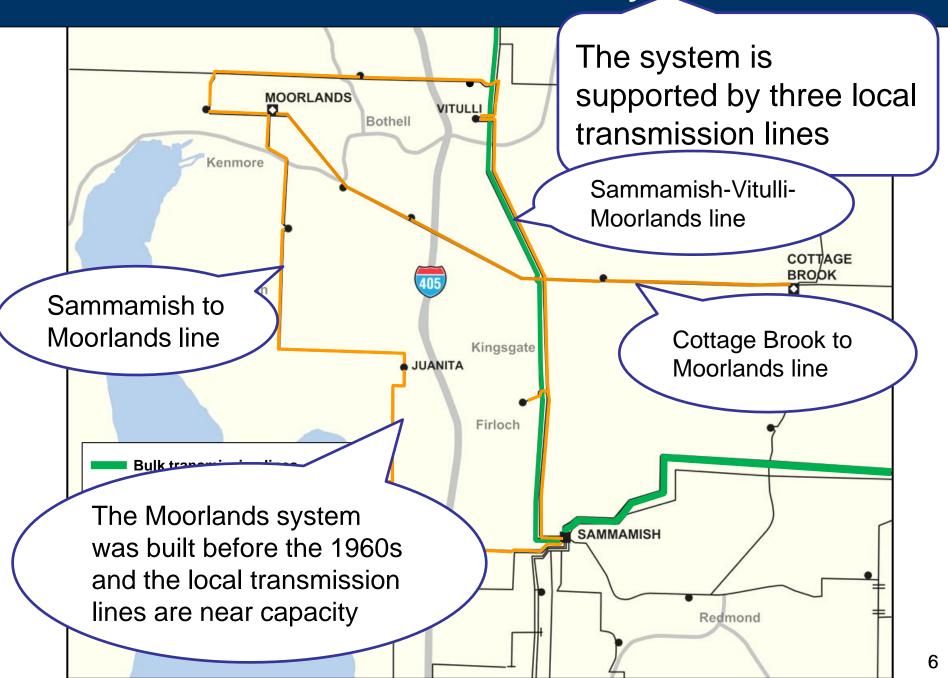
Solutions to capacity and reliability challenges

- Expand or rebuild existing infrastructure
- Build new infrastructure
- Energy efficiency
- Alternative energy
- Energy storage

Keeping the power on in the Northern Redmond-Kirkland area

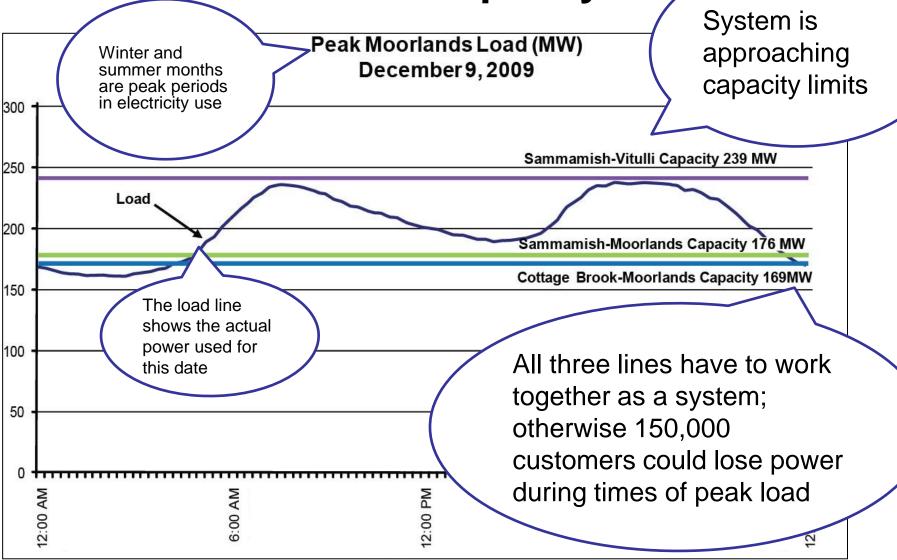


The Moorlands electrical system





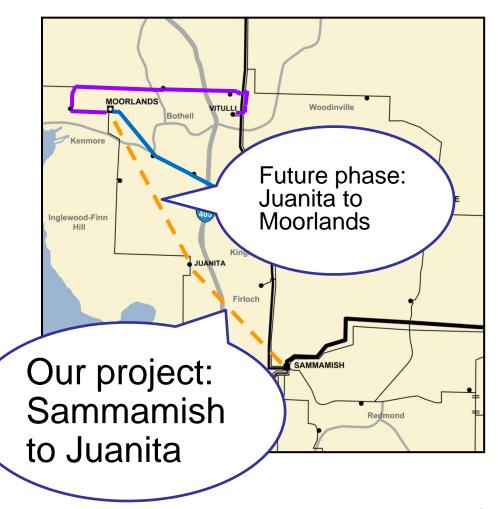






Moorlands System Projects

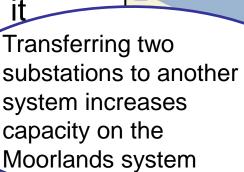
- Cottage Brook-Moorlands Project -Rebuild by 2013
- Moorlands-Vitulli
 Project Rebuild by
 2014
- Sammamish-Juanita-Moorlands Project -New lines in two phases





Sammamish-Juanita 115 kV Project

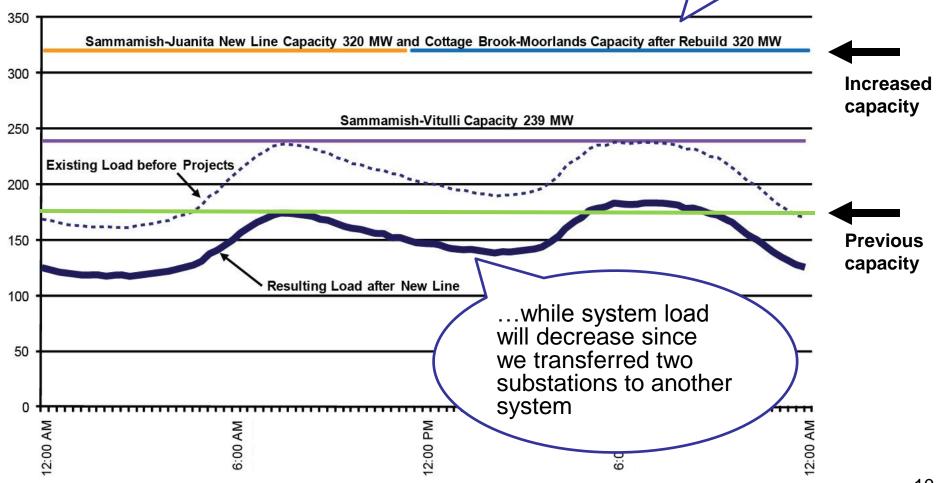
- A new line will:
 - Improve reliability by adding an additional transmission pathway for the system
 - Increase available capacity by transferring two substations off the existing system
 - Ensure dependable power so it is there when you need it



After all three projects have been built, system capacity will increase...

Sammamish-Juanita 115 kV Project

Winter Moorlands Peak Load (MW)
December 9, 2009





How will the Sammamish-Juanita 115 kV Project benefit my community?

The new transmission line will:

- Increase electric capacity to serve customer demand
- Reduce the risk for power outages
- Ensure PSE can continue to supply 150,00 customers in Redmond and Kirkland with dependable power for years to come