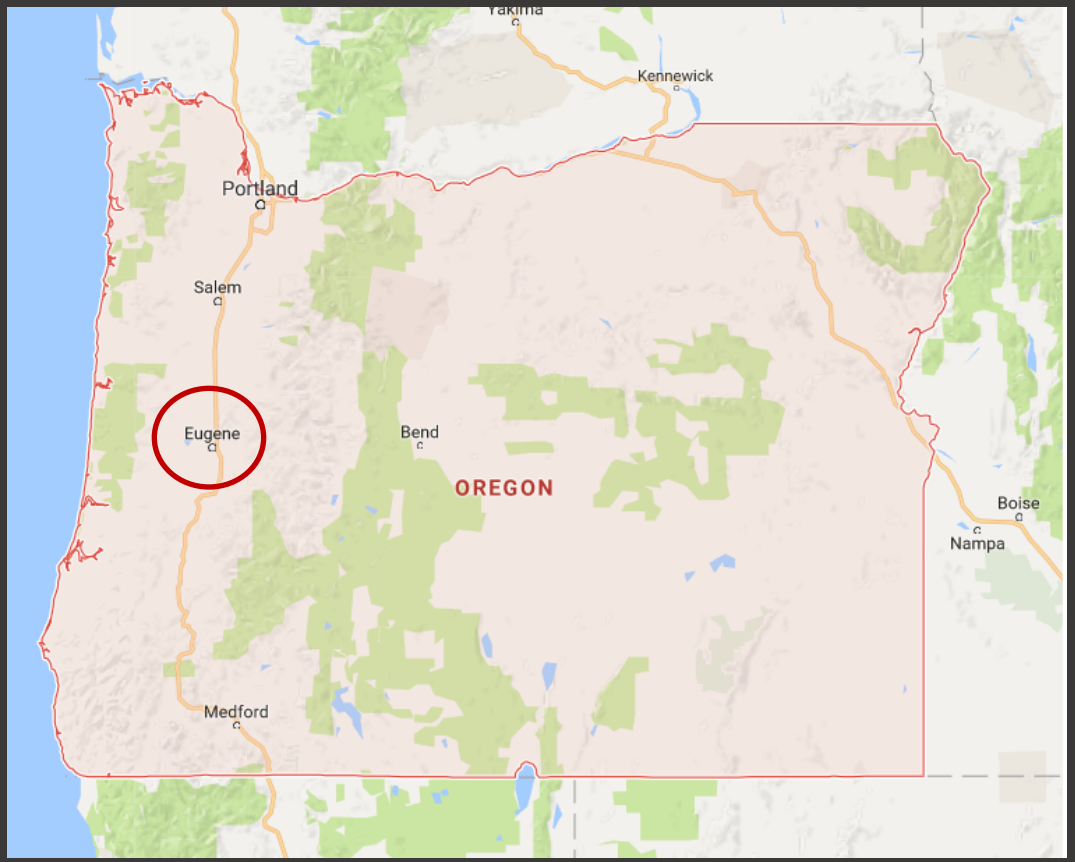
EWEB Grid Energy Storage Demonstration Project

Eugene Water & Electric Board

in Eugene, Oregon

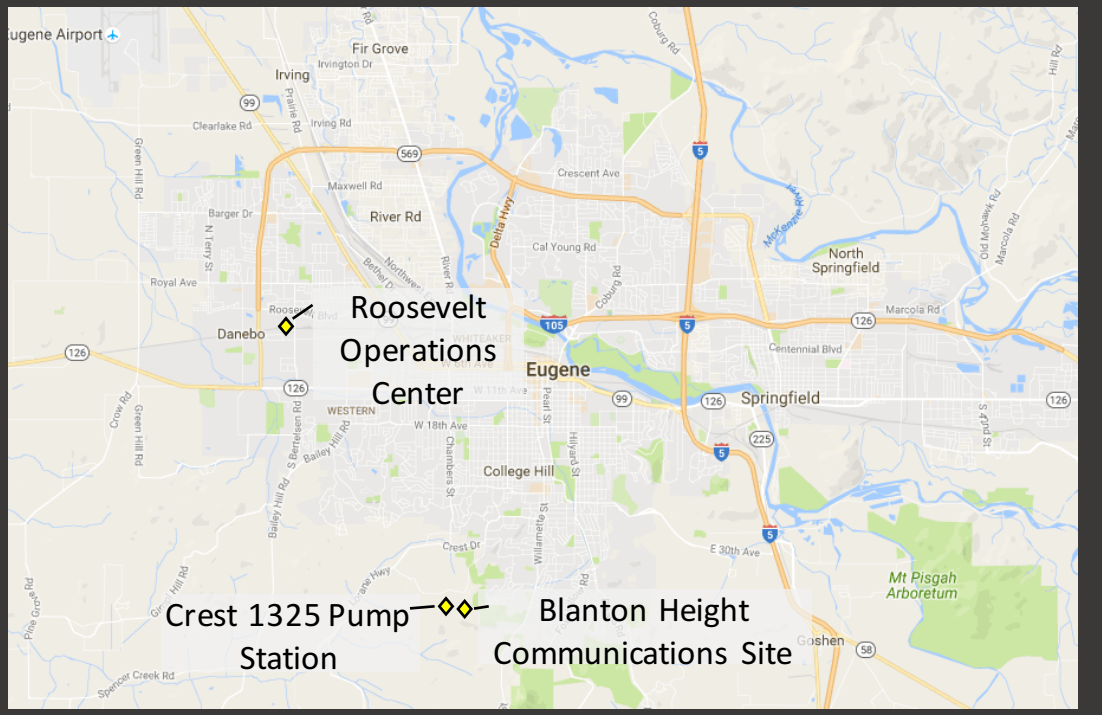


- Water/Electric Utility
- 90,000 customers
- Peak ~ 500 MW

Basic Microgrid Features

- Storage and output sized to load
- 2 – 3 hour battery capacity
- Co-installed solar
- Control over microgrids as an aggregate

EWEB



Grid Edge Demonstration Project

Microgrids at 3 sites

- EWEB Operations Ctr.
- Communications tower
- Water pumping station

Microgrid Use Cases

- Increased site reliability
- Energy arbitrage
- Voltage support
- Peak shifting