



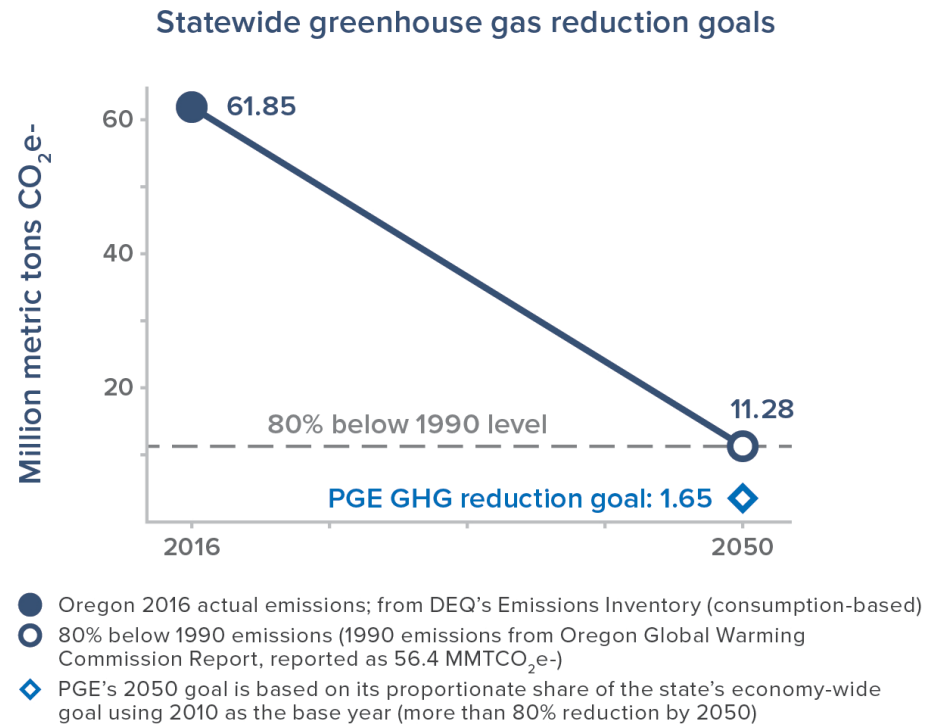
THE ROAD TO CLEAN ENERGY

- Decarbonization
- Clean energy choices
- Grid modernization



#1 REDUCE CARBON WITH CLEAN, RELIABLE ENERGY

Reduce greenhouse
gas by more than 80 percent
by 2050



**SOURCE: 2018 Deep Decarbonization Study commissioned by PGE and produced by Evolved Energy Research*

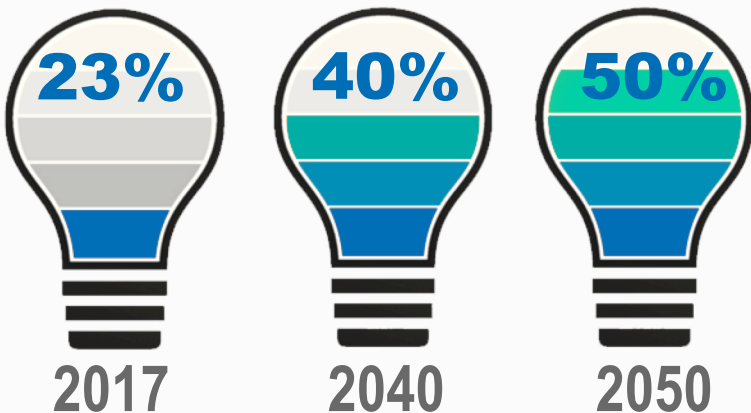
#2 EMPOWER CUSTOMERS' CLEAN ENERGY CHOICES

Technology changing rapidly

About 1/2 of vehicles are expected to be electric by 2040

Electricity will be generated from increasingly diverse sources

% of energy sector that comes from electricity



#3 MODERNIZE GRID TO BE SMART AND RESILIENT



AUTOMATED AND FLEXIBLE GRID



OPTIMIZED AND DISTRIBUTED GENERATION



Q&A

