

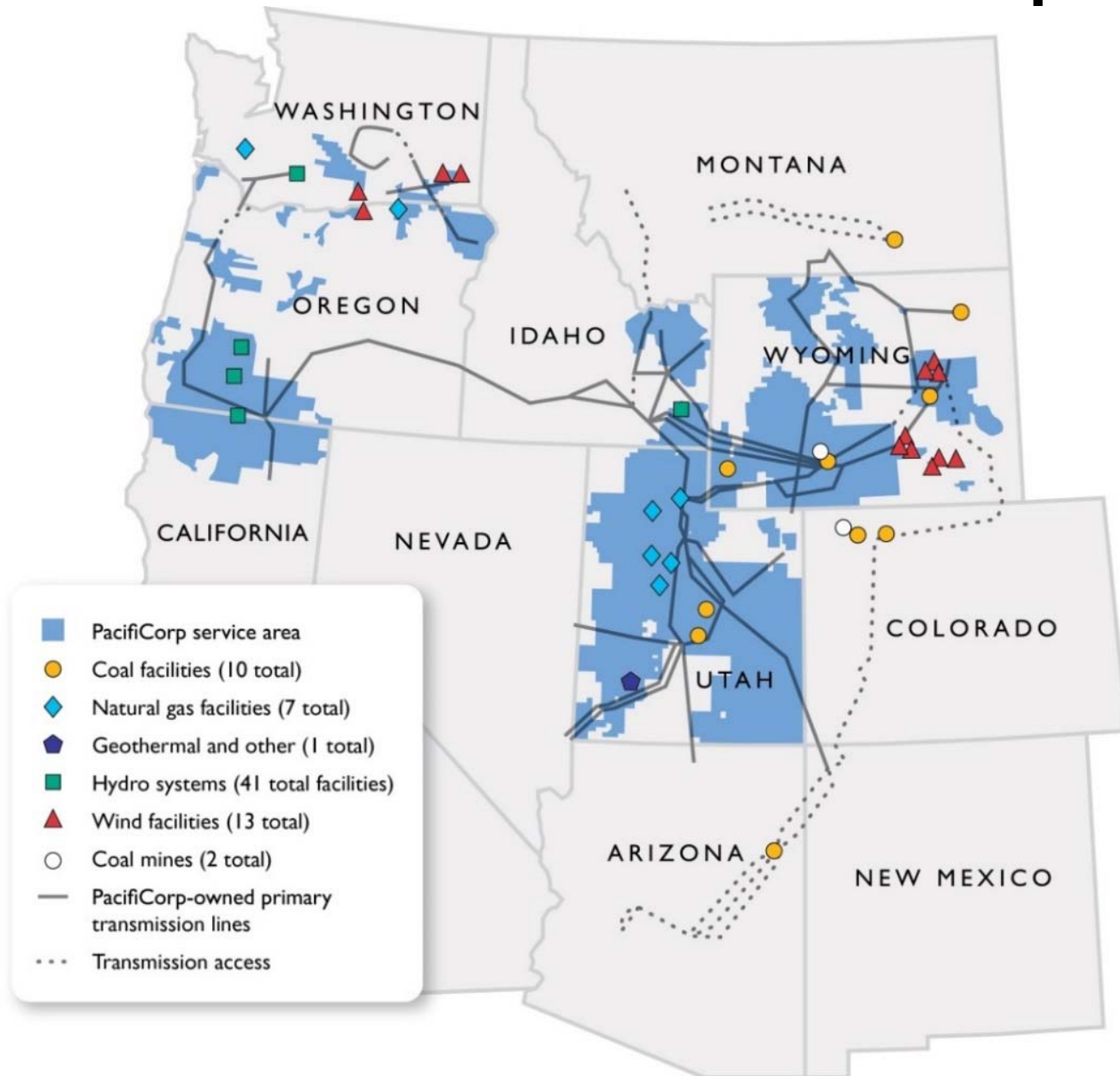


# Pryor Mountain Wind Project

September 4, 2019



# PacifiCorp Overview

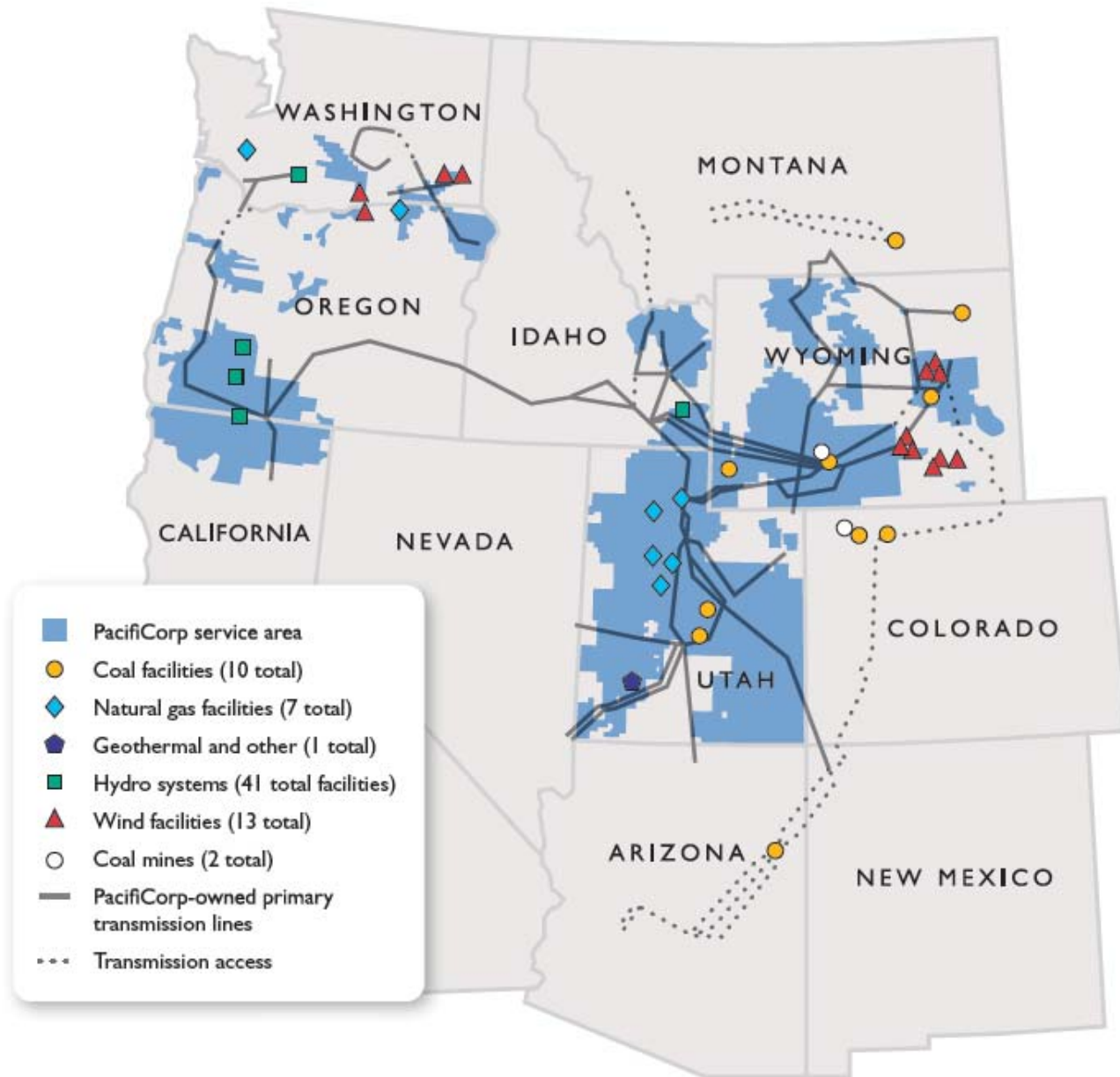


- Two divisions – Rocky Mountain Power and Pacific Power
- 5,600 Employees
- 1.9 million electricity customers
- 141,000 square miles of service territory in six states
- 17,457 miles of transmission
- 10,887 MW owned generation capacity



## **PacifiCorp Wind Resources**

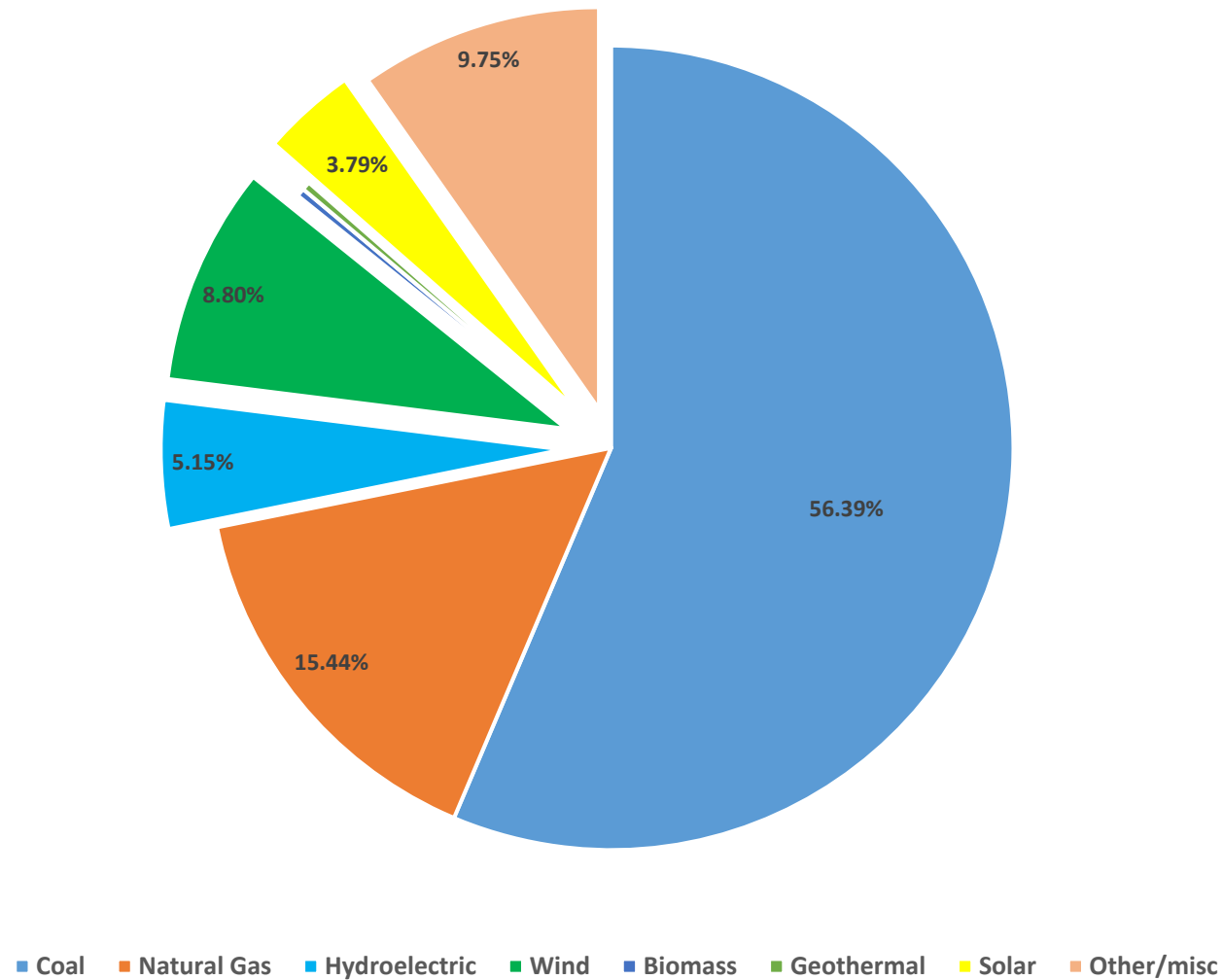
- 1,040 MW of wind owned by PacifiCorp
  - 1,190 MW to be added in 2020
  - Total of 2,220 MW owned
- 1,000 MW of wind under PPA contracts
  - 320 MW to be added in 2020
  - Total of 1,320 MW of power purchase contracts



## Rocky Mountain Power Utah Statistics:

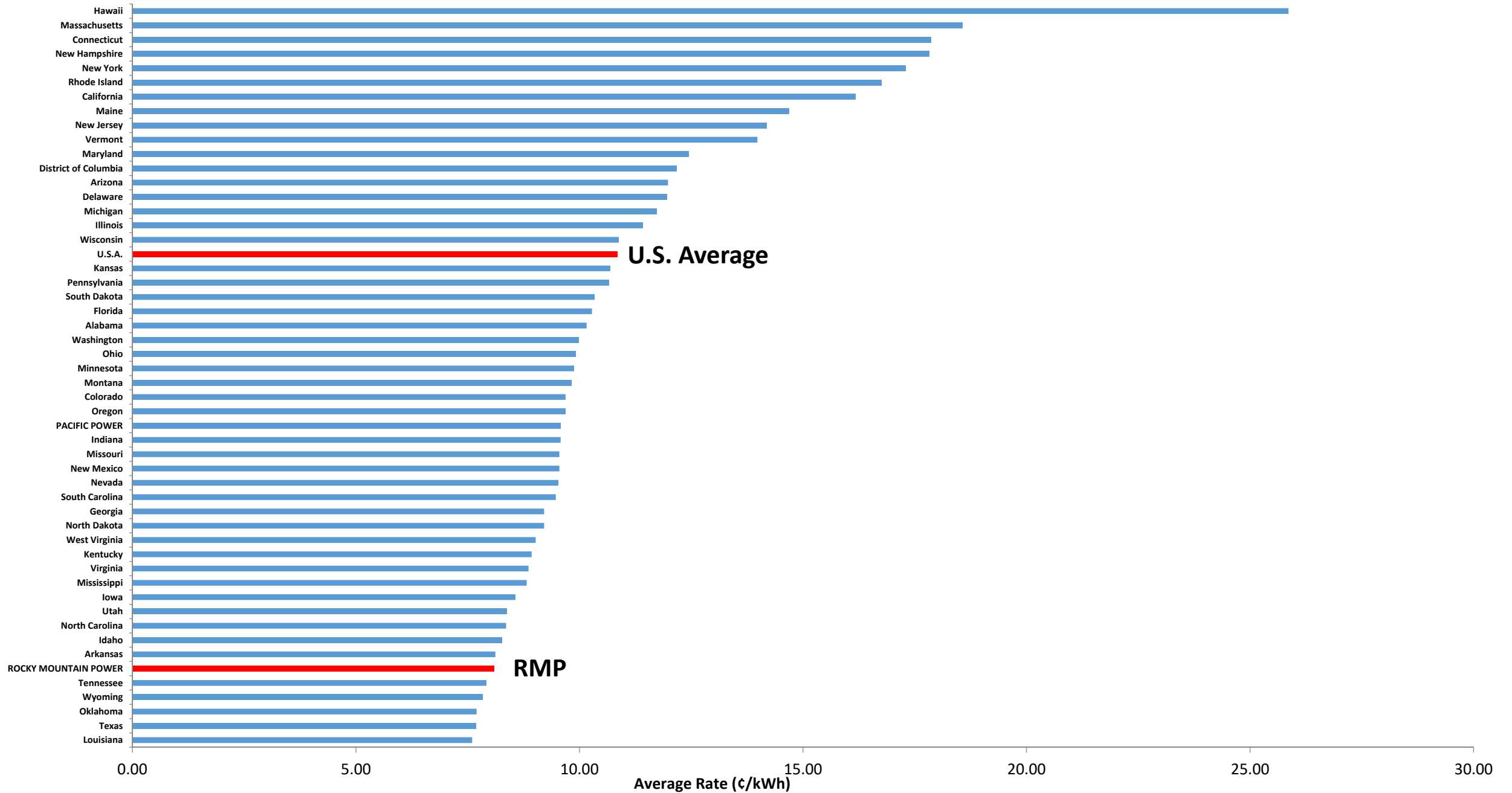
- 892,849 customers
- 1,928 employees
- State property taxes: \$73.1 million

# Rocky Mountain Power 2018 Fuel Mix\*



This information is based on Federal Energy Regulatory Commission Form 1 data. The Rocky Mountain Power "basic fuel mix" is based on energy production and not resource capability, capacity or delivered energy. All or some of the renewable energy attributes associated with wind, solar, biomass, geothermal and qualifying hydro facilities in Rocky Mountain Power's fuel mix may be: (a) used to comply with renewable portfolio standards or other regulatory requirements, (b) sold to third parties in the form of renewable energy credits and/or other environmental commodities or (c) not acquired. Rocky Mountain Power's basic fuel mix includes owned resources and purchases from third parties.

# Average Electricity Price by State



Source: Edison Electric Institute Sales and Revenue Data for the 12 months ending December 2017



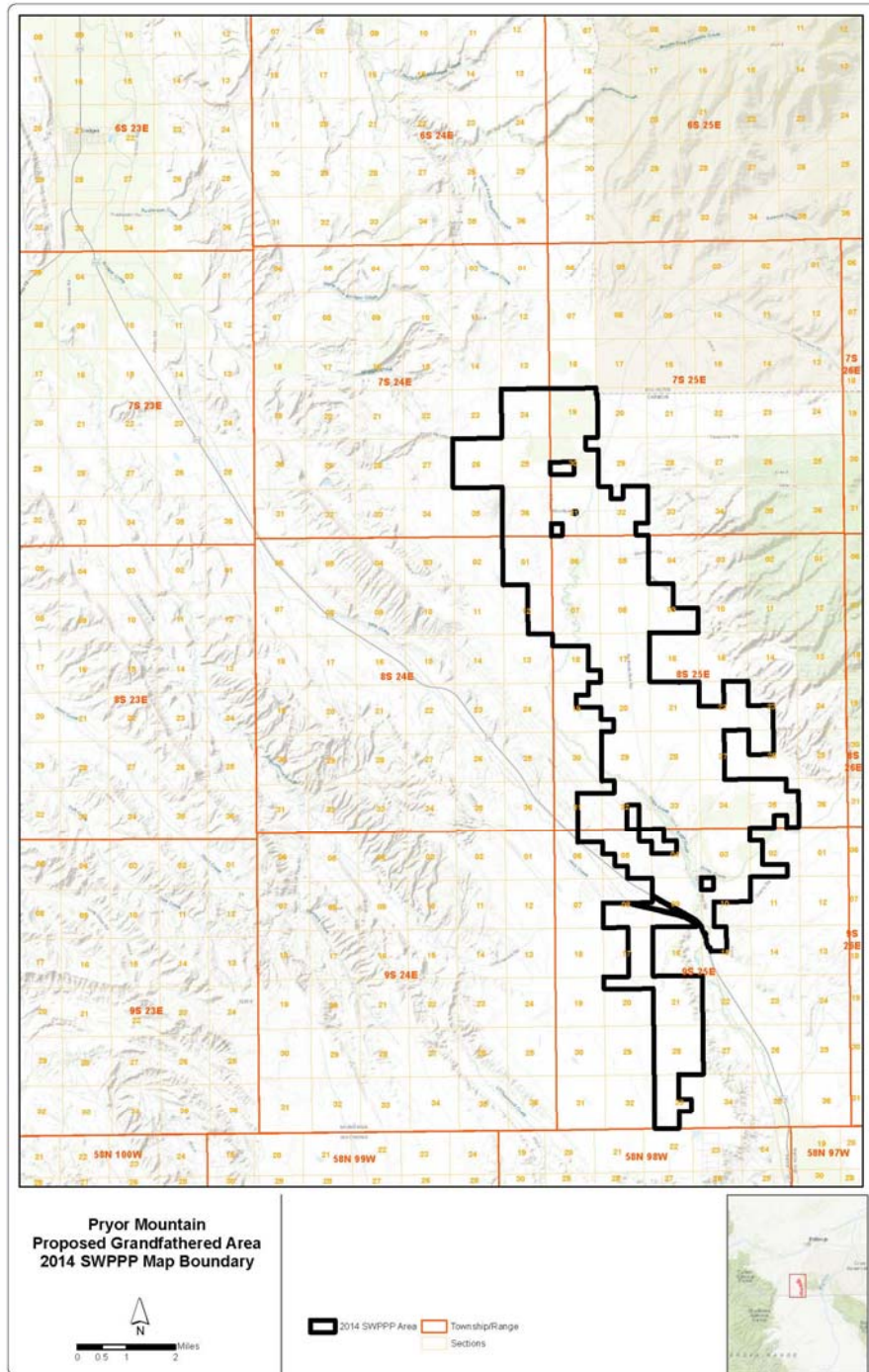


## Production Tax Credits

- Wind projects that are completed in 2020 and meet certain qualifications can receive federal tax credits (currently \$24/MWh) for their electric production over the first 10 years of operation.







## Pryor Mountain

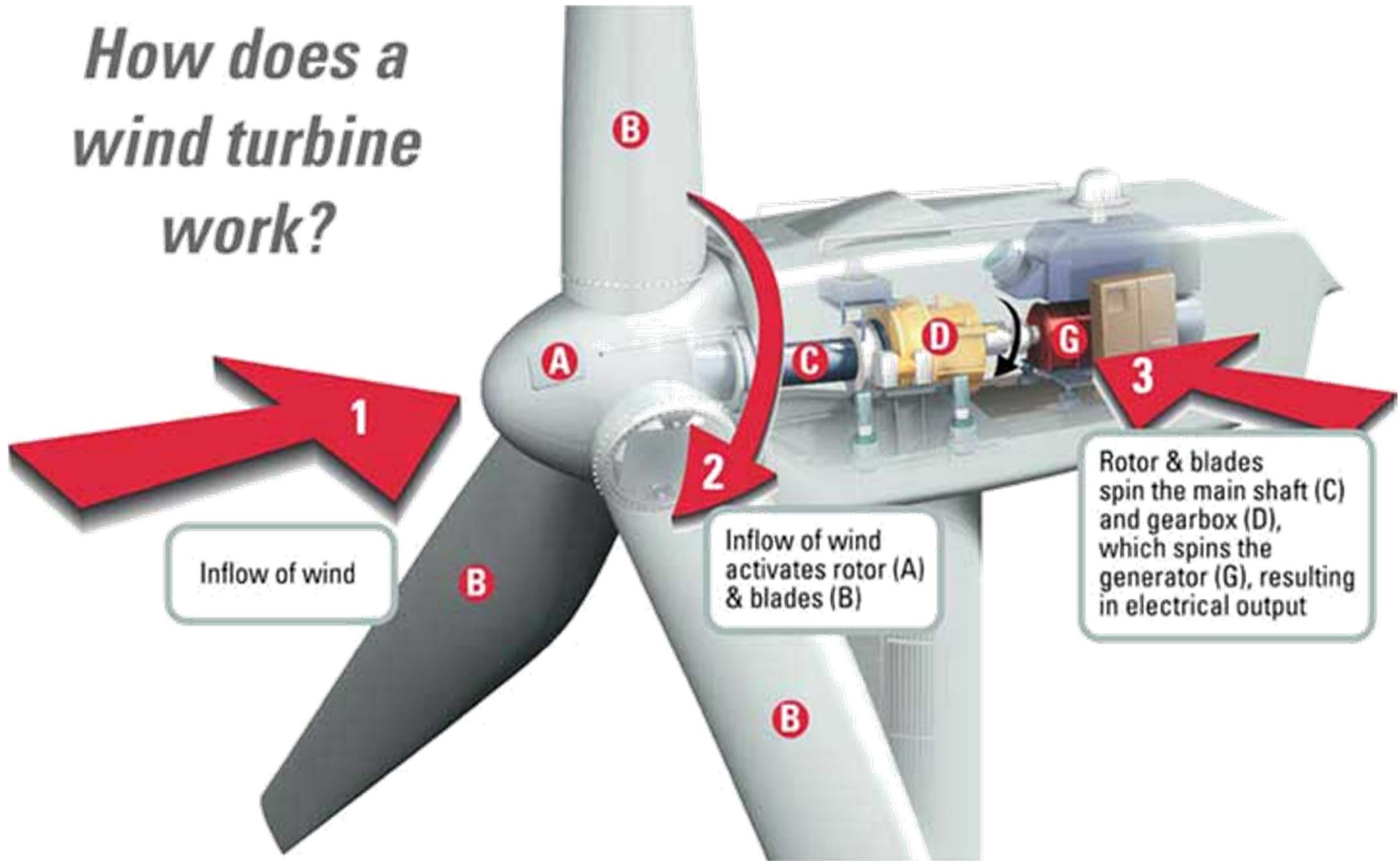
- Multiple developers between 2009 and 2019
- Some permits issued in 2014
- PacifiCorp purchased the project in May 2019
- 240 MW project size
- Interconnect with an existing 230 kV transmission line owned by PacifiCorp



## Wind Turbine Generators (WTG)

- 114 WTGs
  - 57 Vestas V110-2.0 B
  - 21 Vestas V110-2.2 C
  - 32 Vestas V110-2.2 D
  - 4 GE 2.3-116
- 80 meter hub height
- 54 to 58 meter blade length

# How does a wind turbine work?







## Annual Electric Production

- 2.2 MW WTG with a 40% net capacity factor (NCF) will produce 7,709 MWh/year
- 240 MW wind project with a 40% NCF will produce 841,000 MWh/year
- Average household in the US uses 11 MWh/year (US DOE)
- 240 MW wind project with a 40% NCF can power over 76,000 US households on an annual basis





## **Construction Schedule**

- Fall 2019 - Roads and Foundations
- Spring 2020 - Foundations and Collector Substation
- Summer 2020 - Turbine Erection and POI Substation
- Fall 2020 - Commissioning
- Dec 15, 2020 - Commercial Operation Date



## Construction Impacts

- 10 truckloads of equipment for each WTG
- 1,140 truckloads of WTG equipment for the project
- Delivery schedule is 10 WTGs per week
- 100 trucks per week for WTG equipment





## Construction Employment

- Maximum of 300 workers on site at any one time
- Peak number of workers on site anticipated to occur in July and August of 2020



## Operations

- Project is expected to have a 30 year life
- Full time employment
  - 1 Site manager
  - 10 to 12 wind technicians
- Normal working hours are Monday to Friday 7:00 am to 4:00 pm
- Site monitored remotely 24/7





**Questions?**