



# Greenhouse Gas Reporting Requirements and the Electricity Sector

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# Mandatory Greenhouse Gas Reporting

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- Authorized by the Legislature in 2009
- Sectors:
  - Air quality permit holders w/ >2,500 tons CO<sub>2</sub>e
  - All Natural gas suppliers
    - Utilities
    - Pipelines
  - All other fossil fuel suppliers
    - Gasoline
    - Diesel
    - Propane
    - Kerosene
  - Electricity suppliers

# Electricity Sector GHG Reporting

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- All entities supplying electricity to Oregonians
  - Investor-owned utilities
  - Consumer-owned utilities
  - Electricity service suppliers
  - Bonneville Power Administration
- Each entity reports emissions from generation of electricity they source to supply Oregonians, regardless of where that generation occurs

# Emissions characteristics of electricity suppliers

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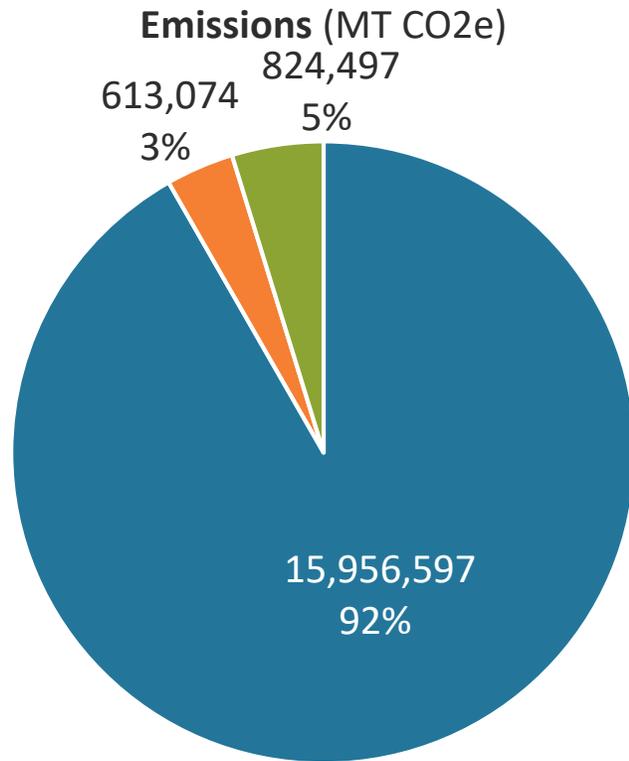
- **Investor-owned utilities (3)**: diverse mix of gas, coal, hydro, wind, and other non-emitting resources
- **Consumer-owned utilities (39)**: mostly hydro from Bonneville, with small amount of their own generation and unspecified market purchases
- **Electricity service suppliers (5)**: wide range
  - Some are just unspecified market purchases
  - Some are mostly or entirely non-emitting resources

# Emissions Verification

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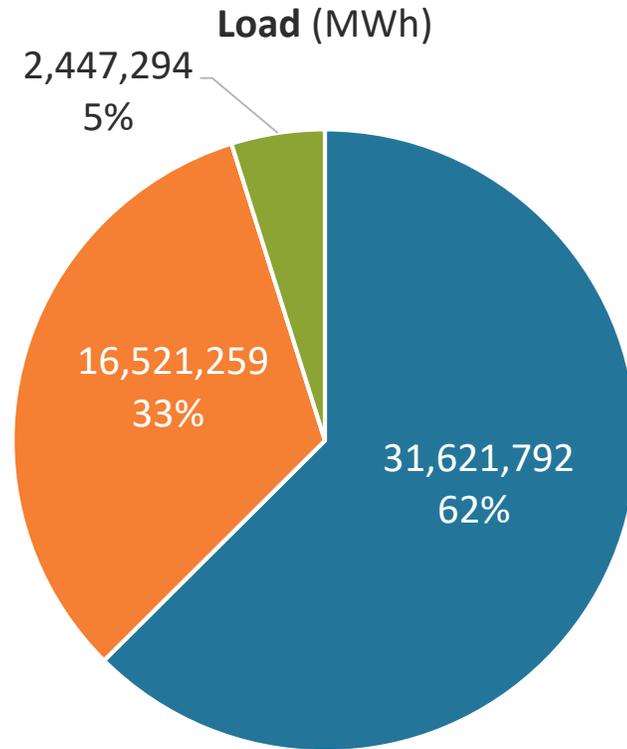
- DEQ reviews data reports from all electricity suppliers each year
- Starting next year, data will also be audited by third-party verifiers
- Data reported to DEQ must be quantified pursuant to specified sources and calculations
- These reporting requirements are subject to standard compliance assurance processes

# Electricity Sector Emissions & Energy (2017-2019 average)



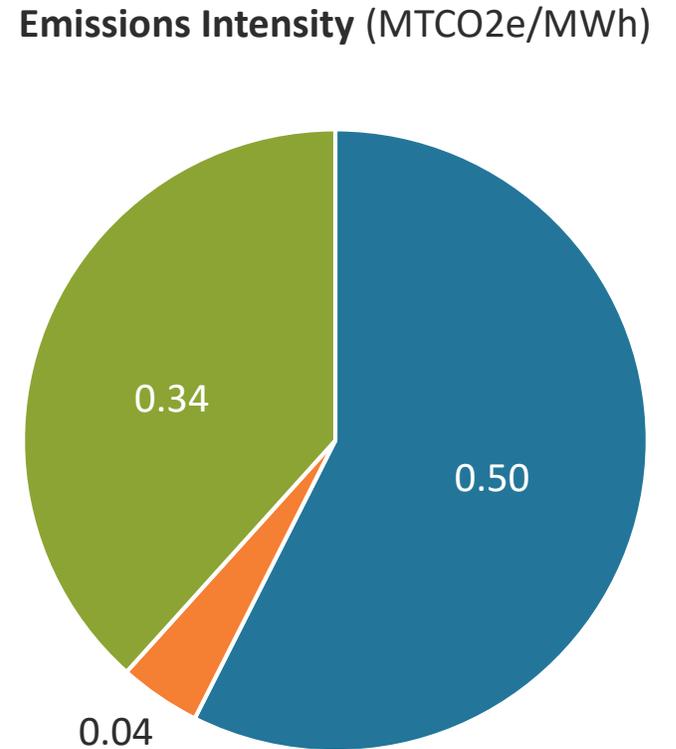
■ IOUs ■ COUs ■ ESSs

IOU: Investor-own utility



■ IOUs ■ COUs ■ ESSs

COU: Consumer-owned utility

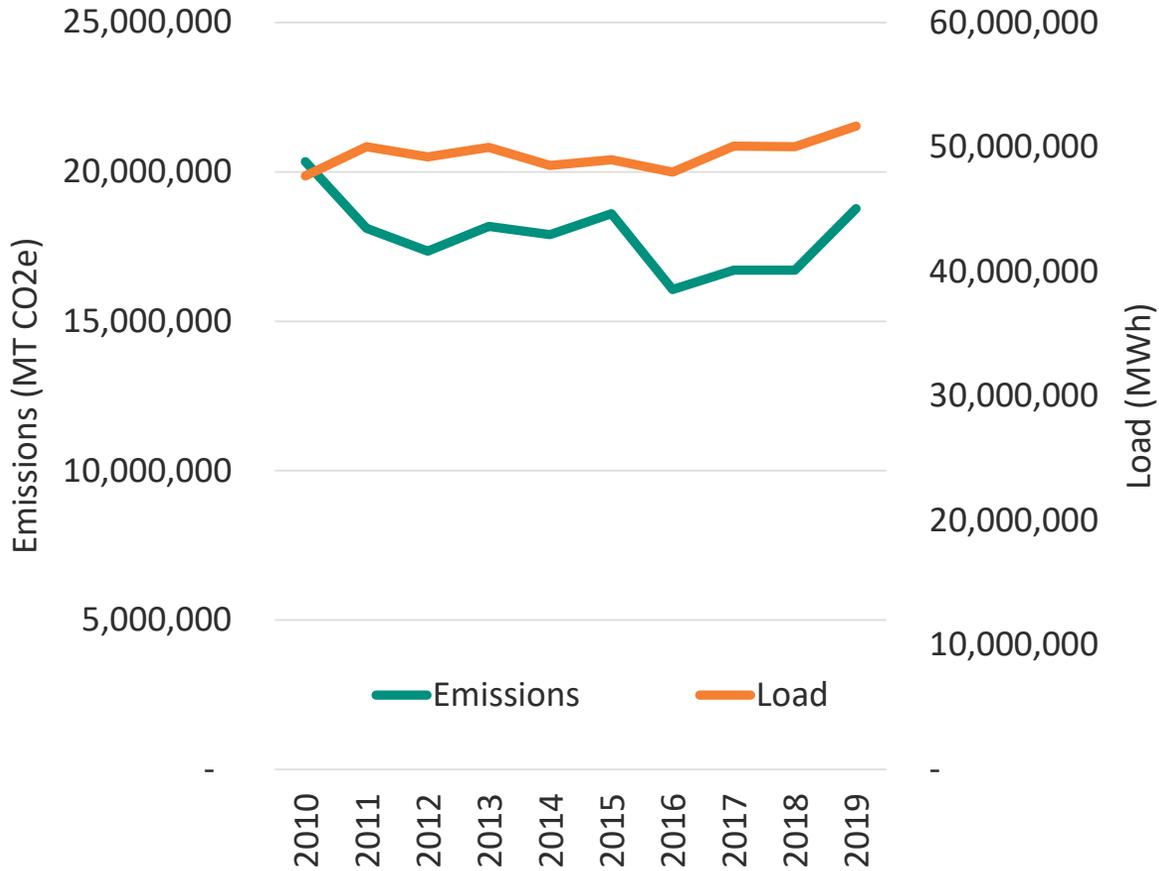


■ IOUs ■ COUs ■ ESSs

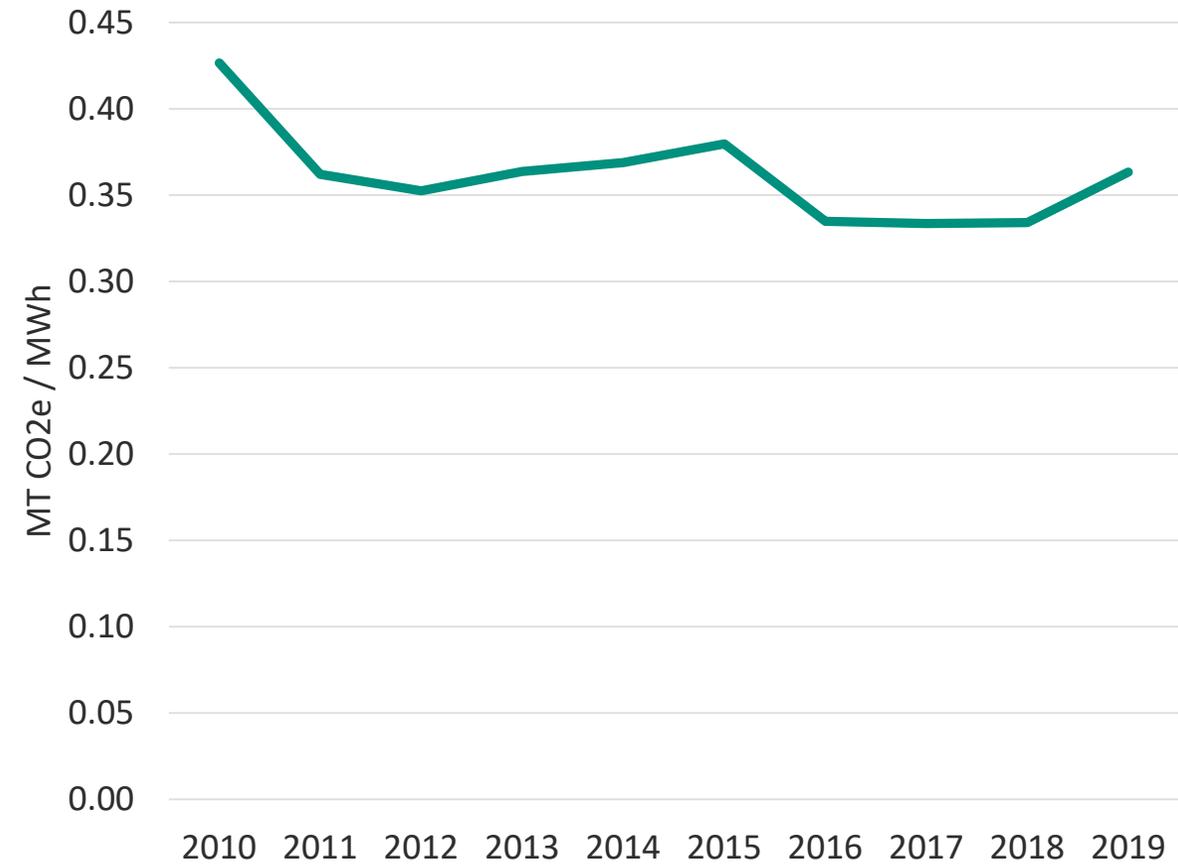
ESS: Electricity service supplier

# Trends in Oregon Electricity Sector

## Emissions & Load



## Emissions intensity





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