

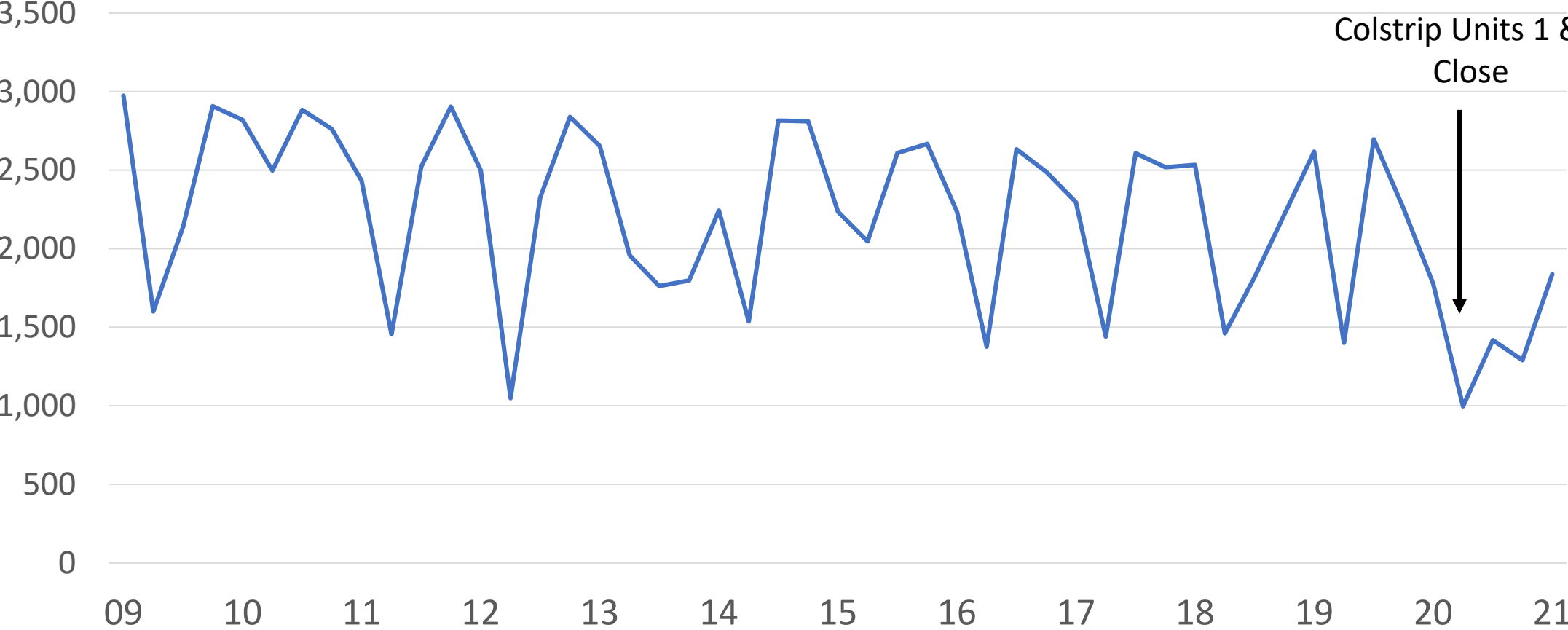
The Outlook for Montana Coal

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Montana Coal Deliveries: Montana

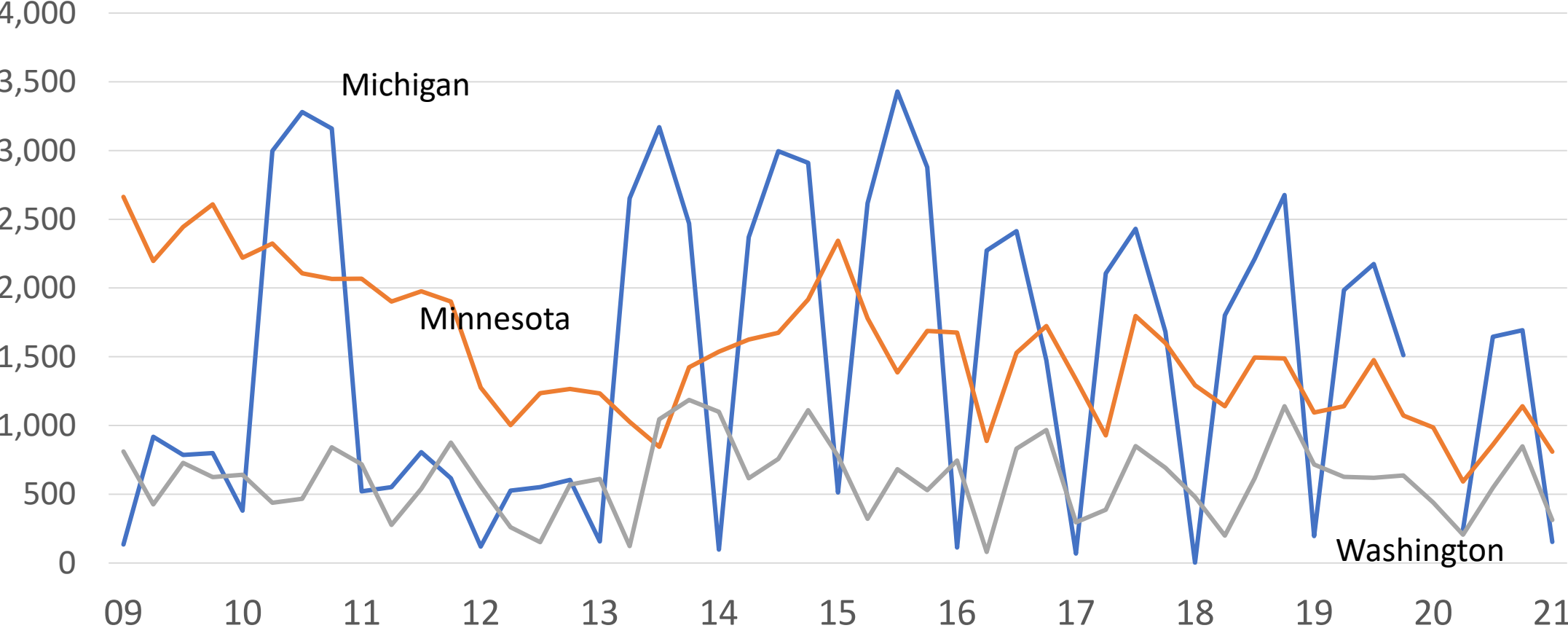
Thous. Short Tons



Source: U.S. Energy Information Administration

Montana Coal Deliveries: Other States

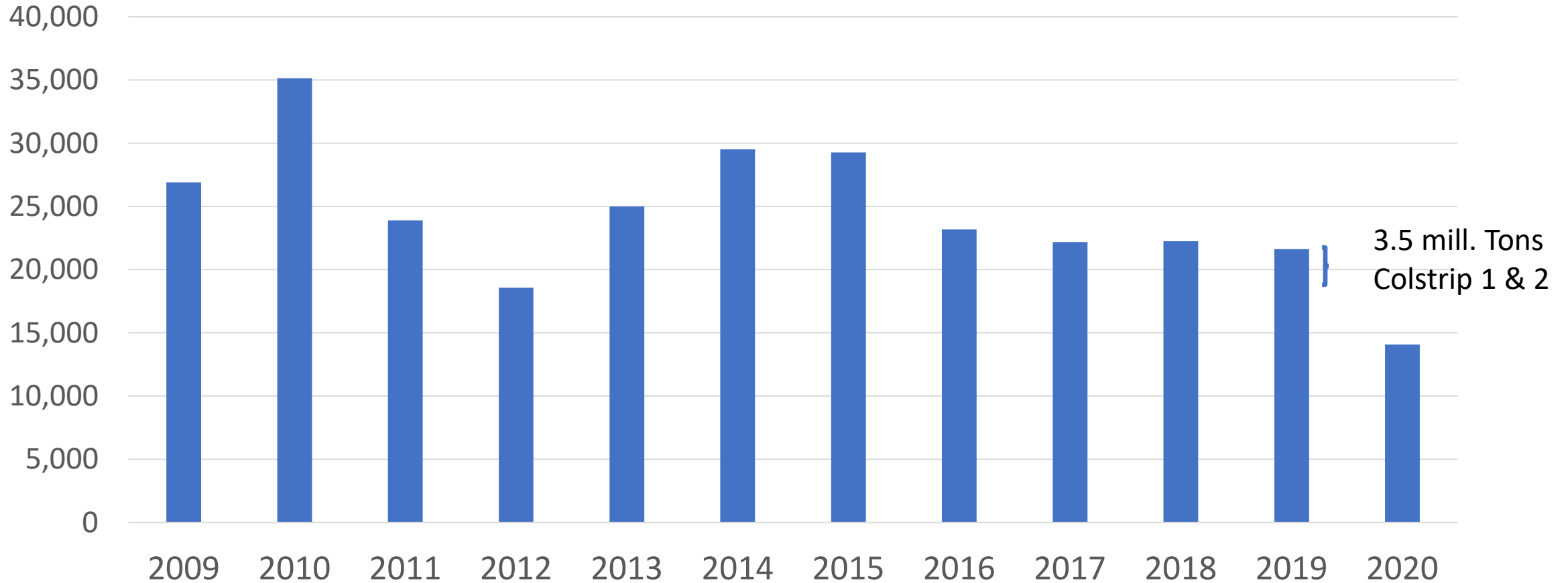
Thous. Short Tons



Source: U.S. Energy Information Administration

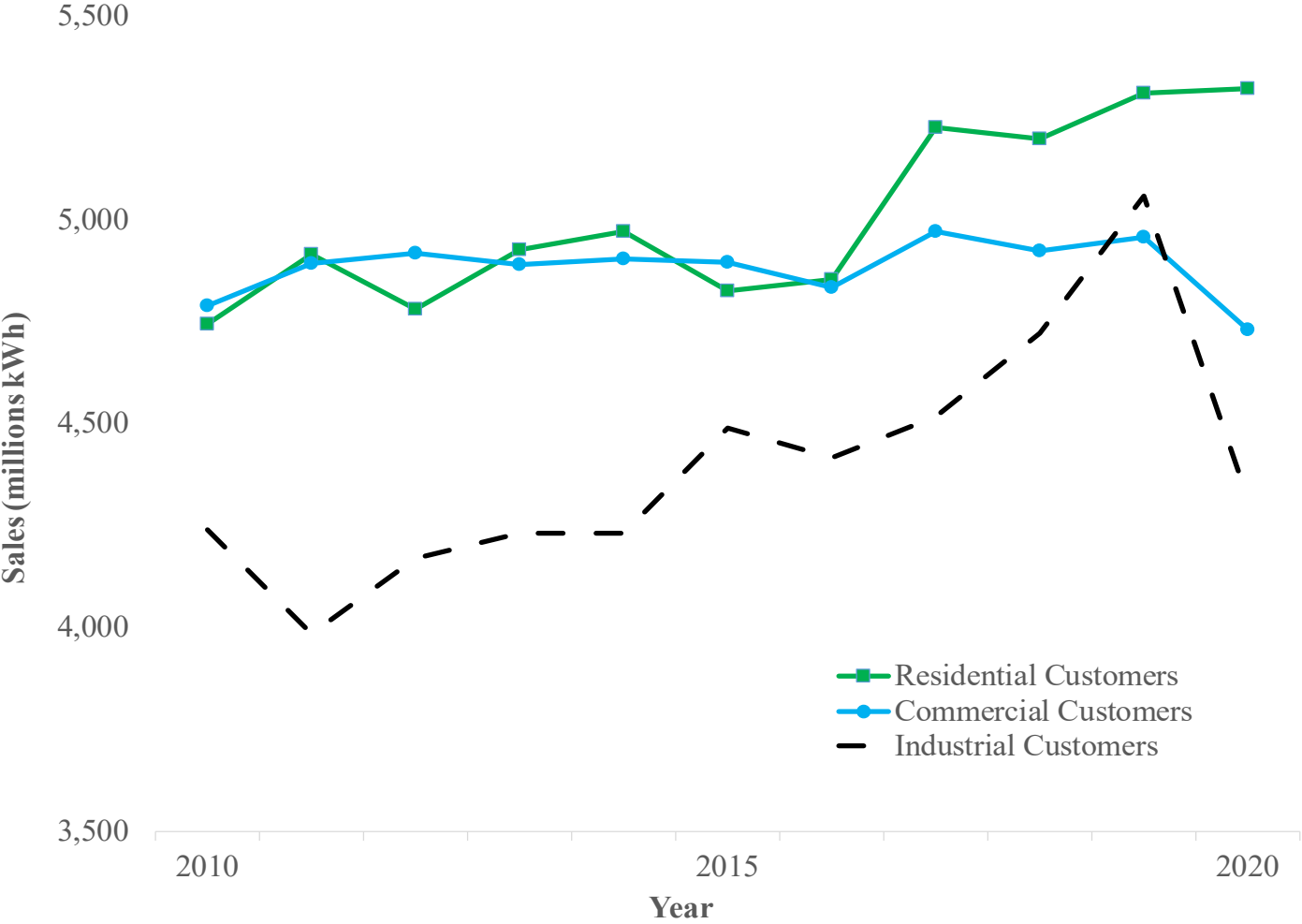
Montana Deliveries to Electric Utilities

Thous. Short Tons



Source: U.S. Energy Information Administration

2020 was a strange year for electric energy sales



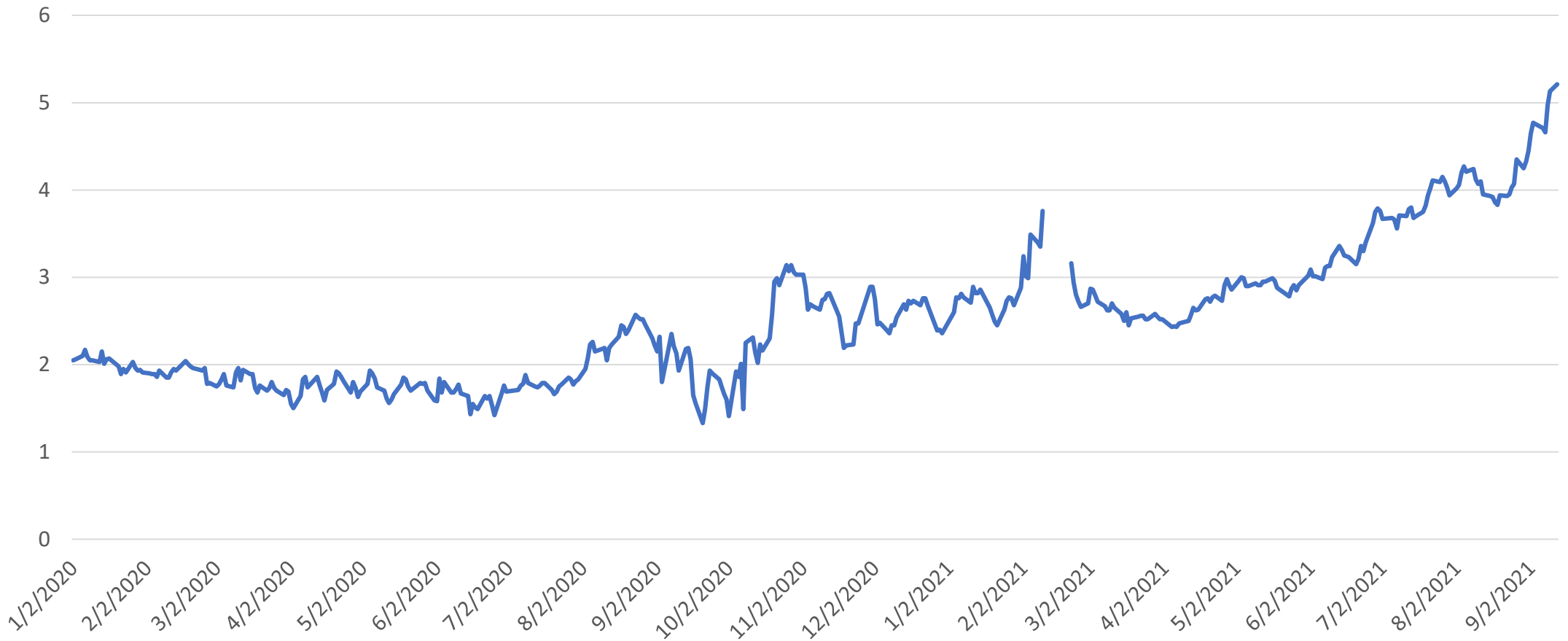
Montana Coal Production Has Mildly Rebounded Since Spring of 2020

Weekly Coal Production, Montana, short tons

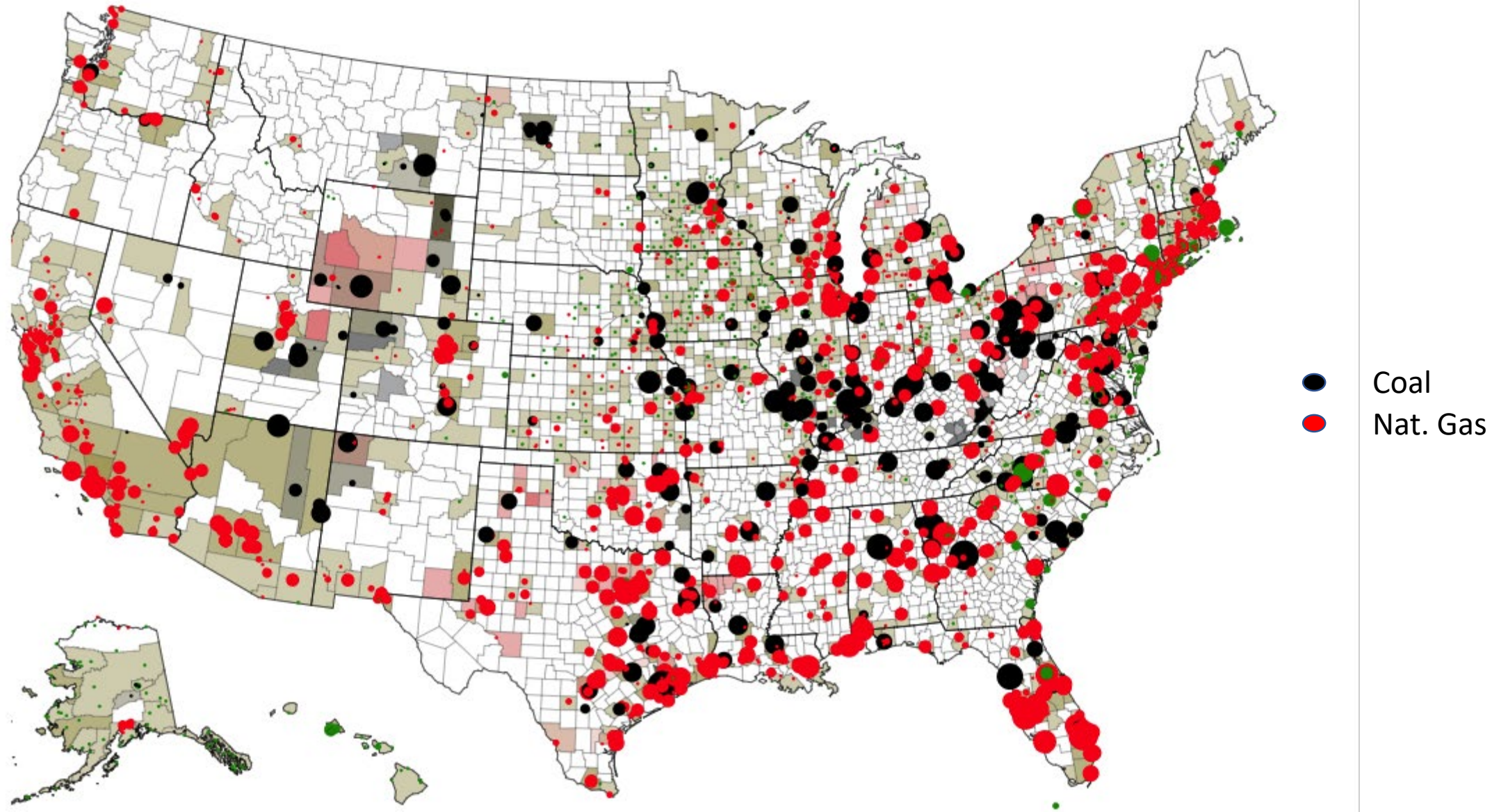


Natural Gas Prices Have Moved Up Strongly Since the Spring

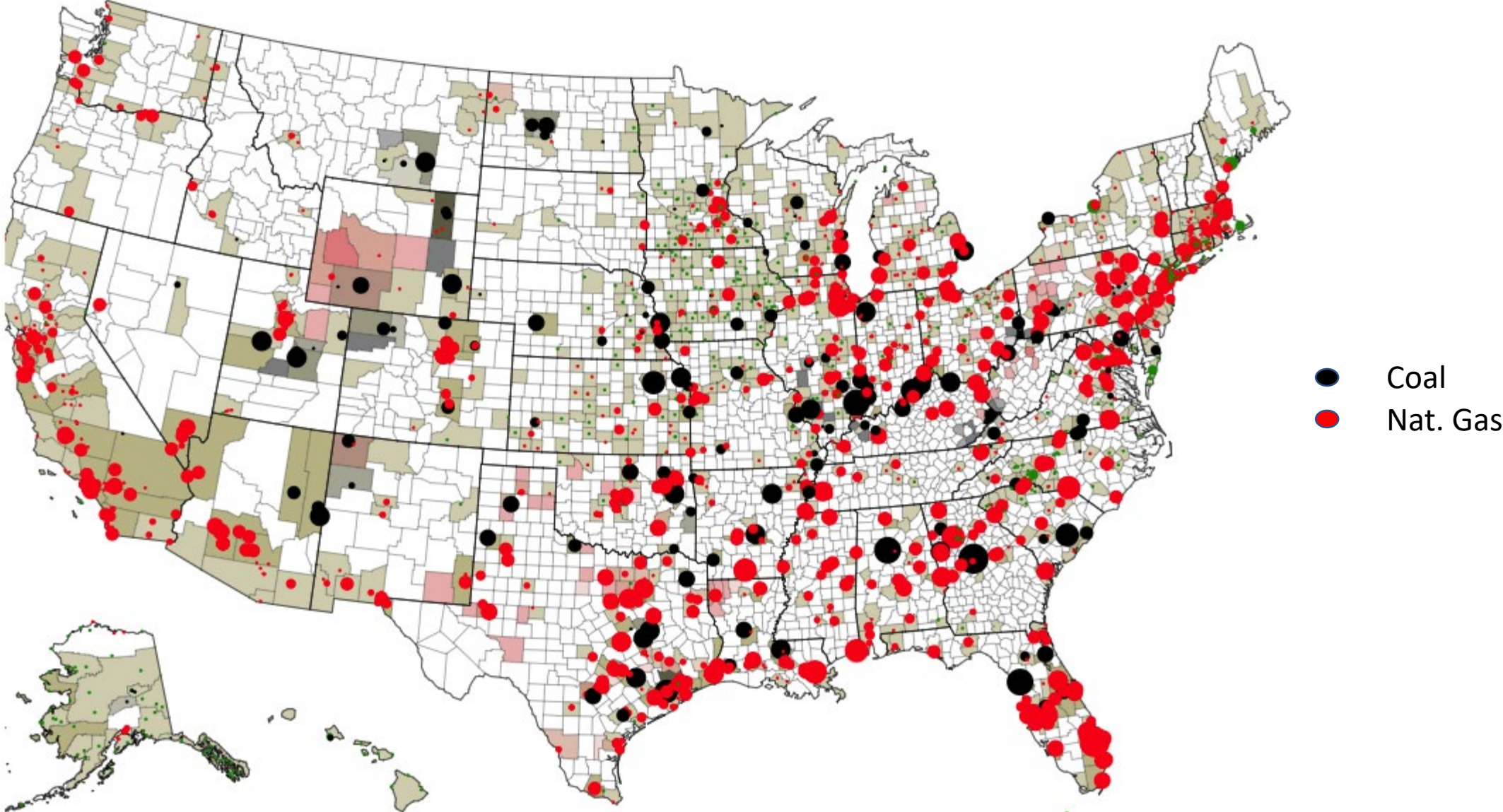
Henry Hub Natural Gas Daily Spot Price per Million Btu



Location and Size of Fossil Fuel Generating Plants, 2018

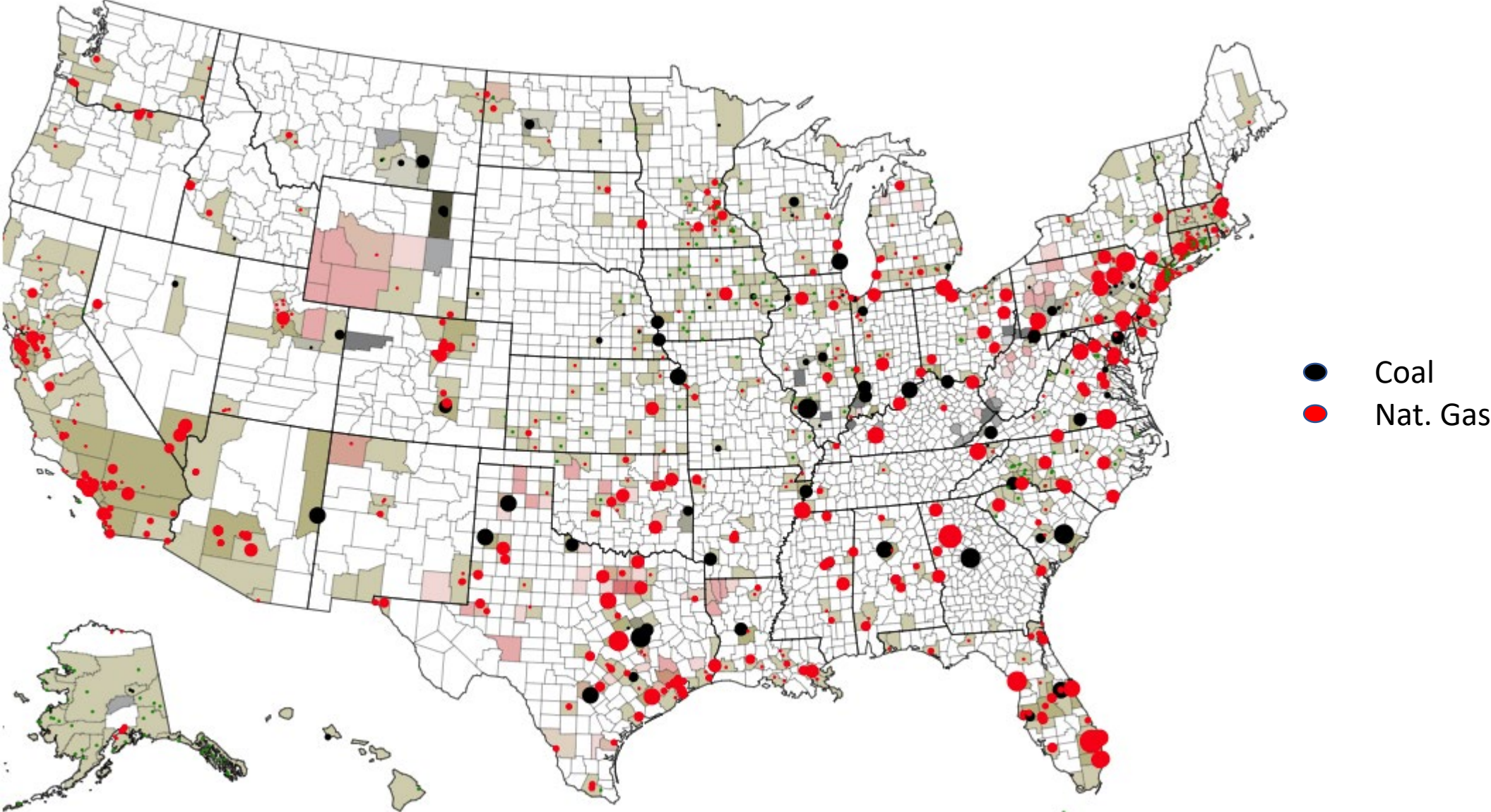


Location and Size of Fossil Fuel Generating Plants, 2025



Source: emilygrubert.org/energy-transition

Location and Size of Fossil Fuel Generating Plants, 2035



Source: emilygrubert.org/energy-transition

Assessing the Outlook for Montana Coal

Immediate Future

- Mild recovery underway
- Wyoming has upgraded their forecast
- Smaller number of mines could improve individual profitability
- Cheap natural gas disappearing

Medium/Long Term

- Powder River Basin coal no longer immune to coal decline
- Large producers (Arch) committed to diversifying
- Export terminals permanently blocked
- Energy “certainty” is a myth, but future is cloudy