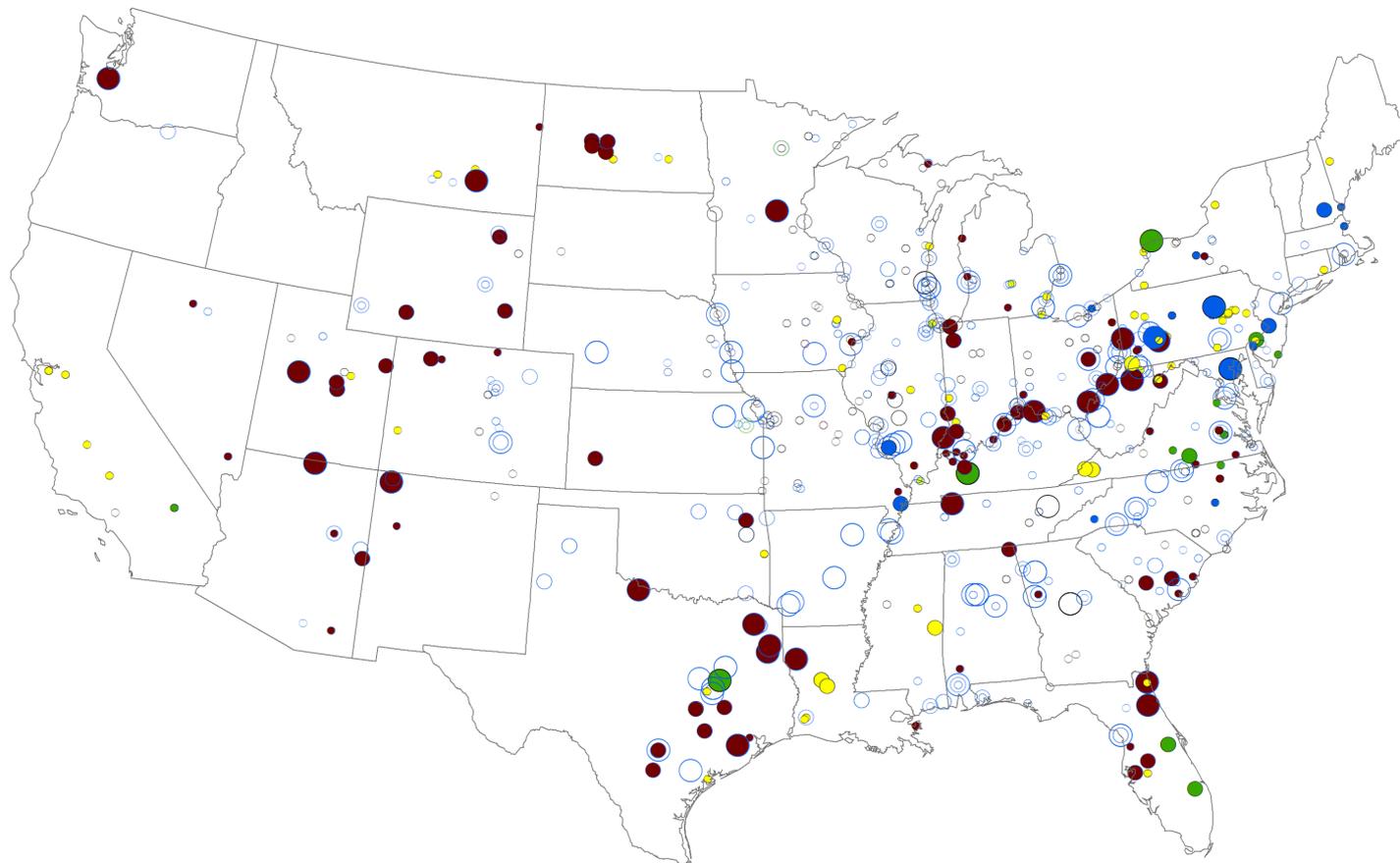


2000 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

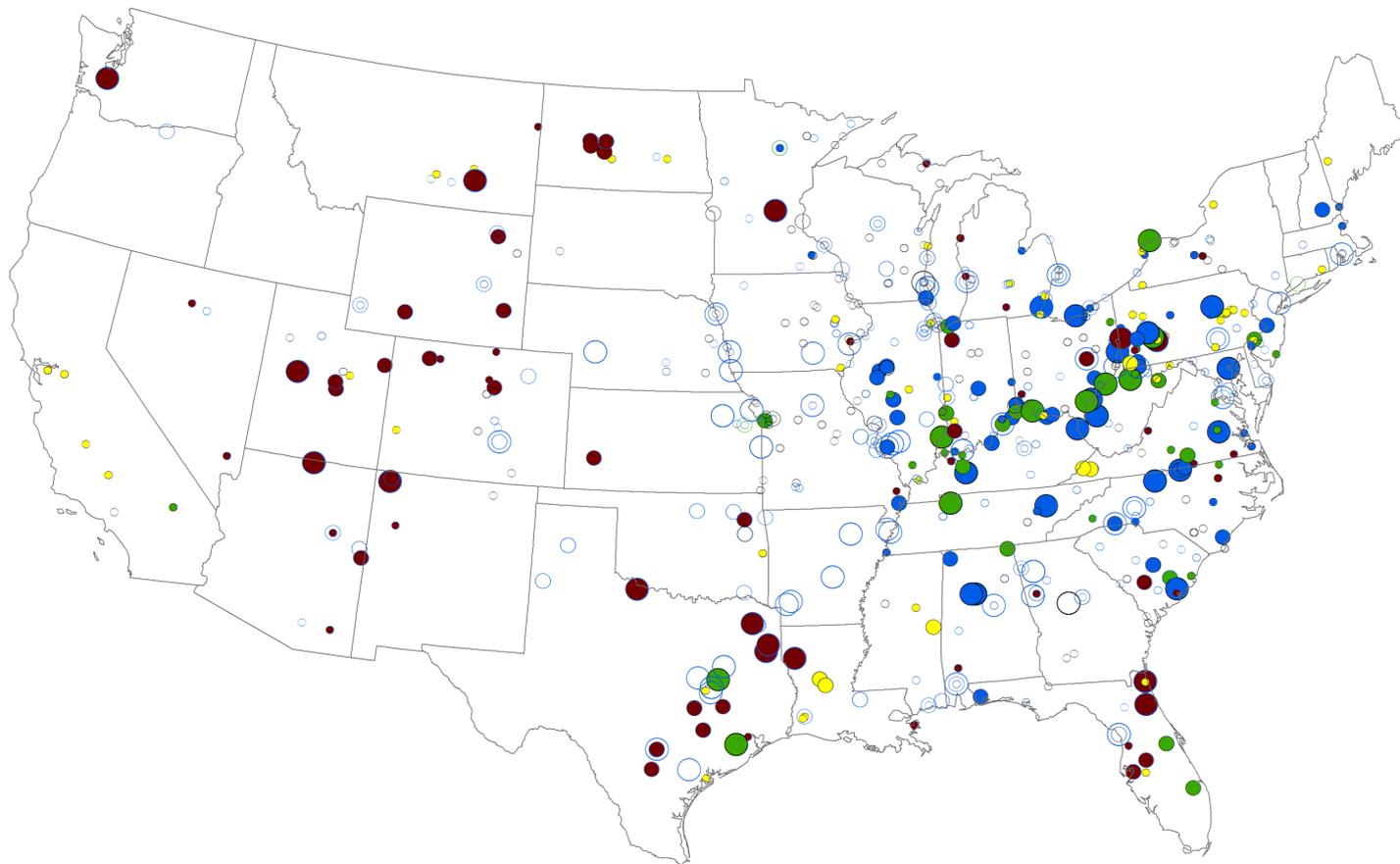
None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 12-16-2020) and AMPD (EPA, 2021)

2005 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

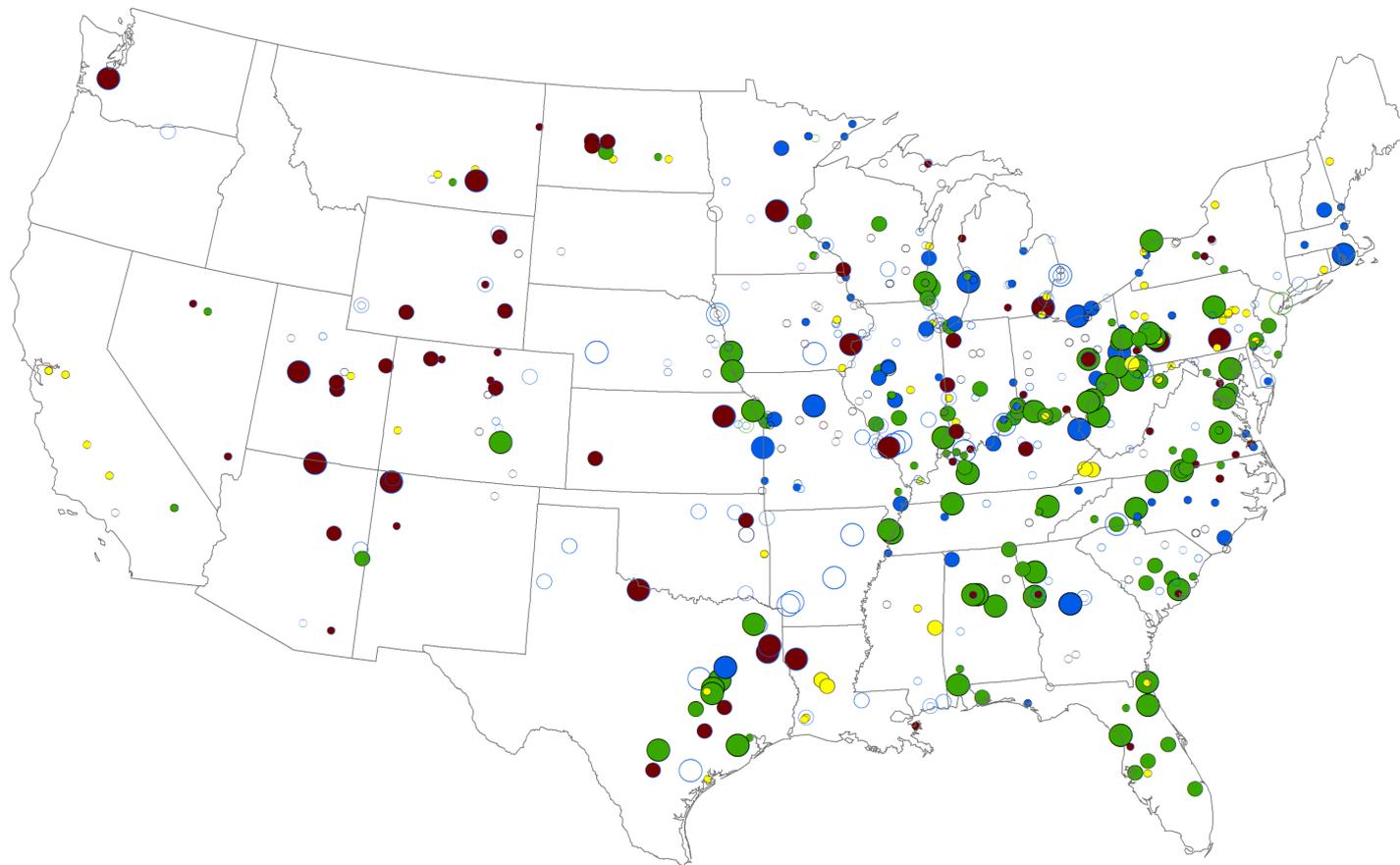
None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 12-16-2020) and AMPD (EPA, 2021)

2010 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

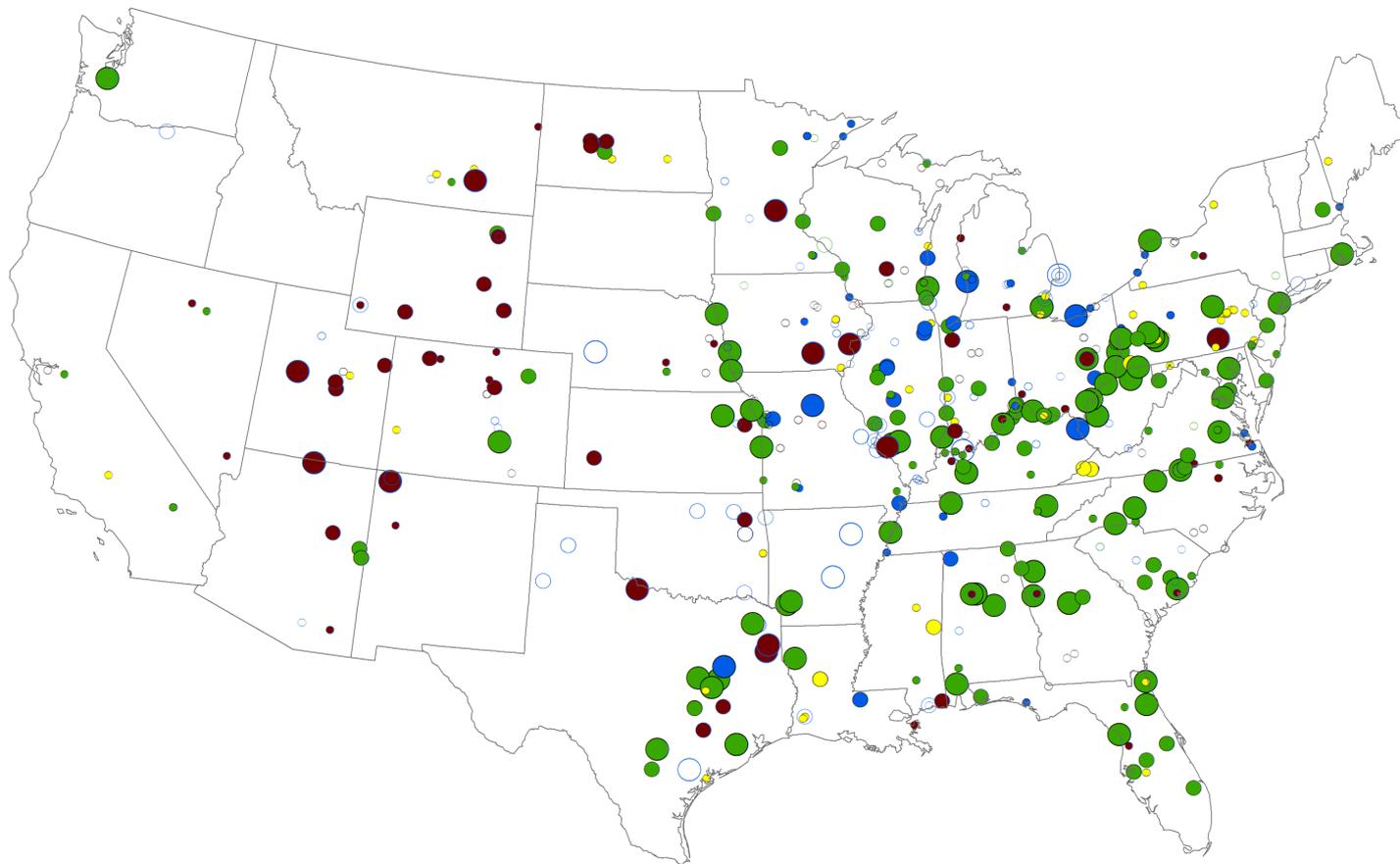
None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 12-16-2020) and AMPD (EPA, 2021)

2015 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR Scrubber

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

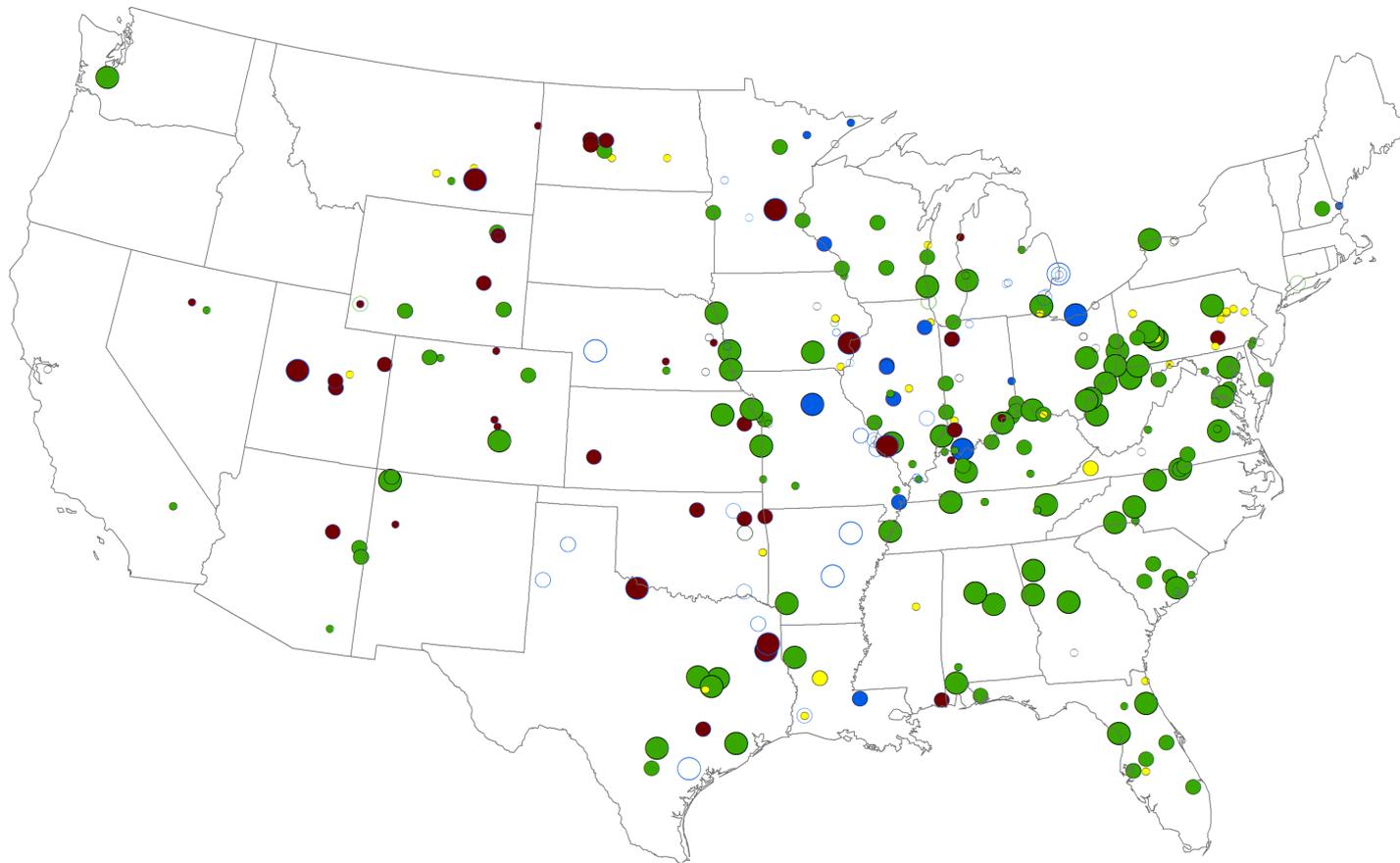
None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 12-16-2020) and AMPD (EPA, 2021)

2020 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR Scrubber

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

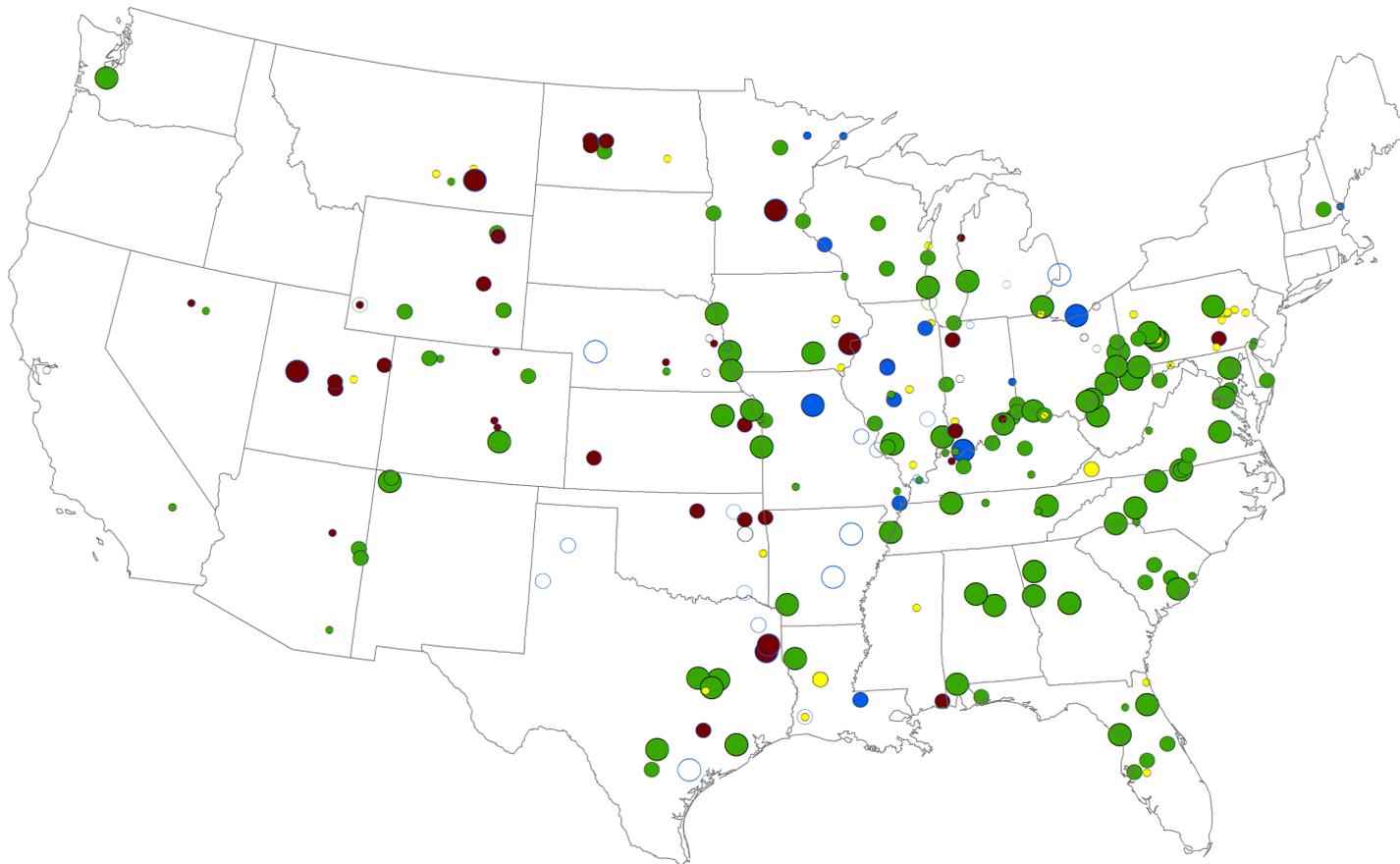
None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 12-16-2020) and AMPD (EPA, 2021)

2021 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR Scrubber

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB and Under 0.2 lb SO₂/mmBtu Under 0.2 lb SO₂/mmBtu

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

SCR/SNCR

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

FBC/IGCC

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

LNB

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

None

- Under 300 MW
- 300 MW to 600 MW
- Over 600 MW

Virtually all coal-fired units have electrostatic precipitators, baghouses, or other advanced controls for high levels of particulate removal.

Source: National Electric Energy Data System (NEEDS v6) (EPA, 1-24-2022) and AMPD (EPA, 2022)