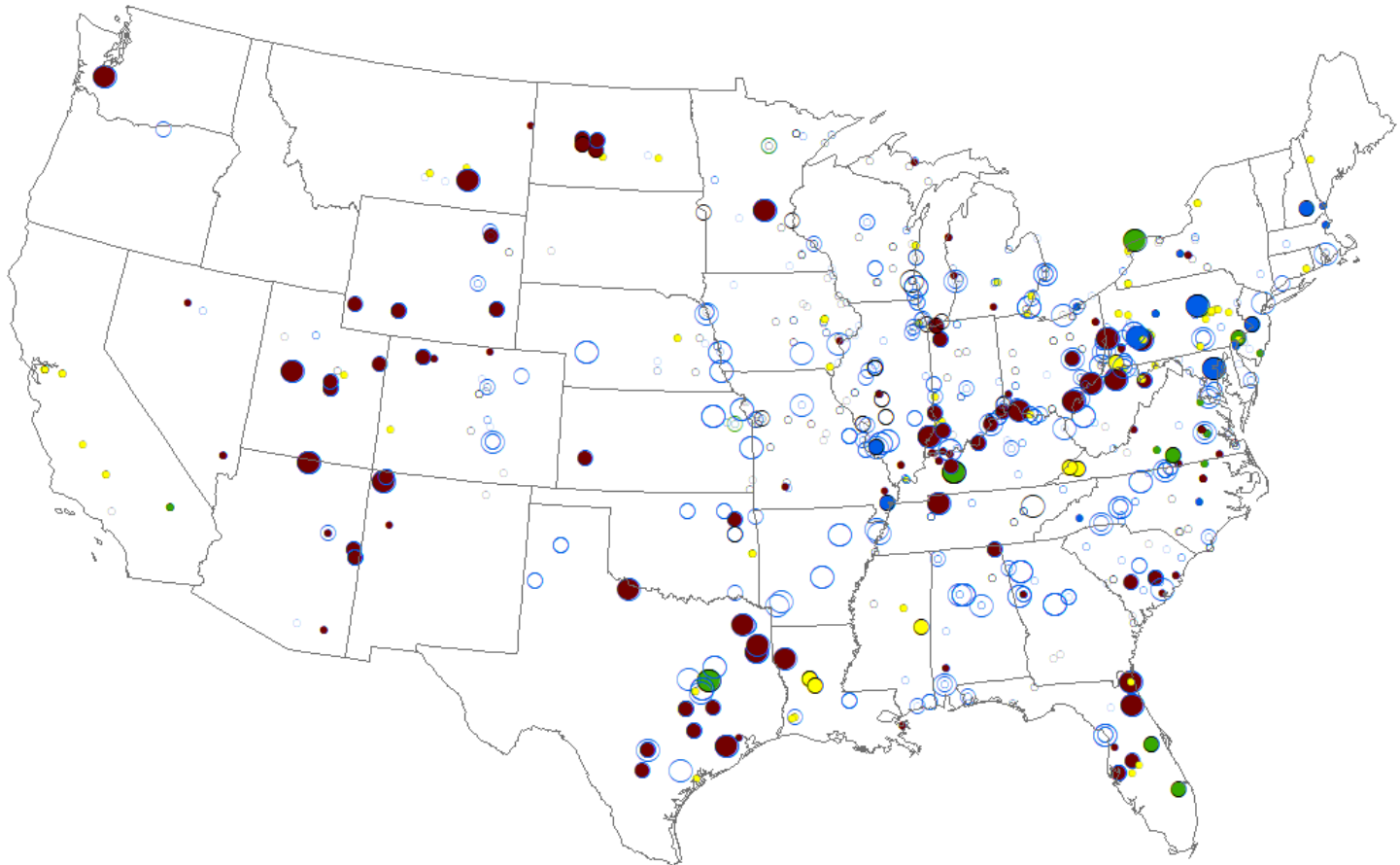


2000 Coal Controls for SO₂ and NO_x



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

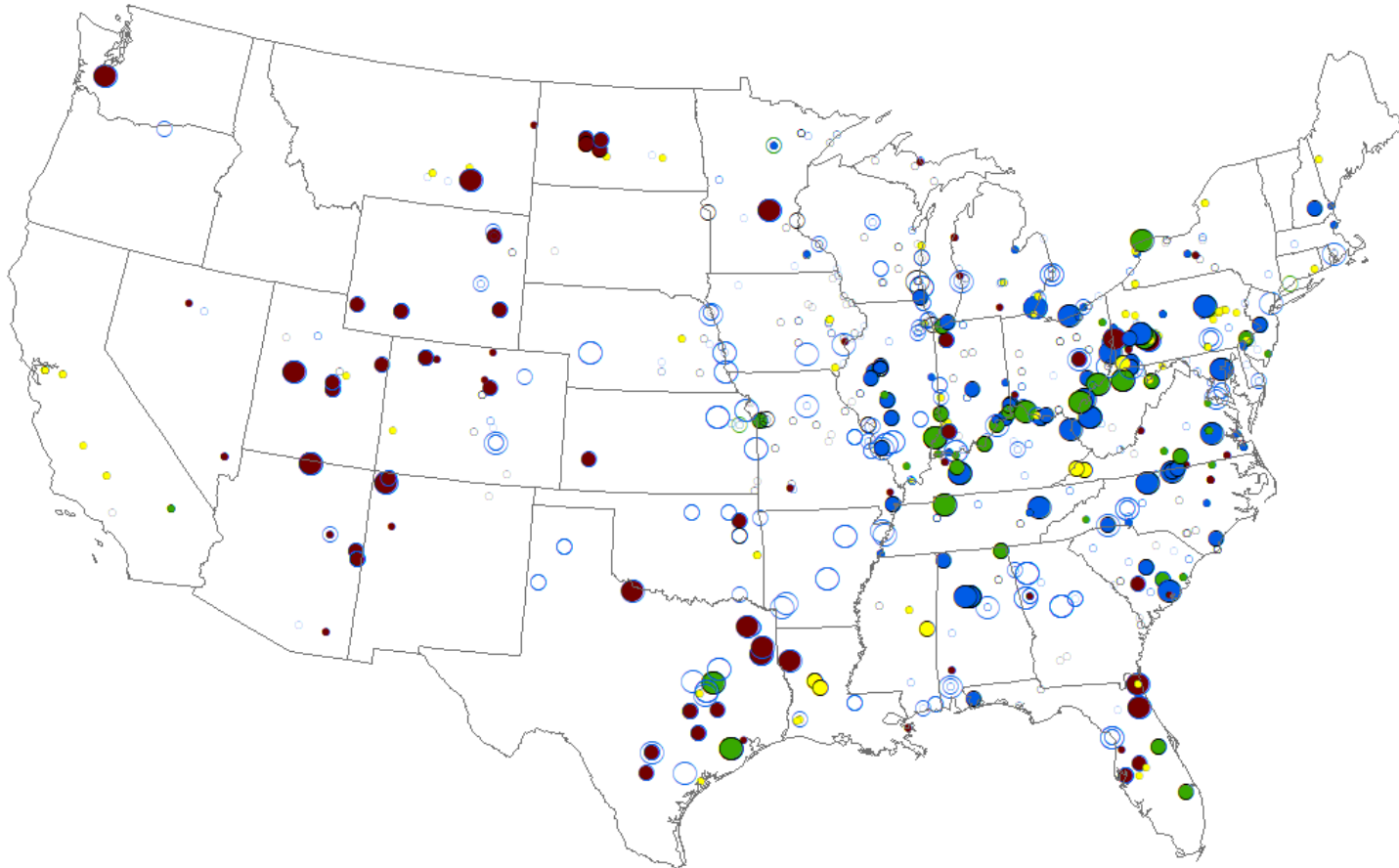
None

- 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, 12-18-2019) and AMPD (EPA, 2020)

2005 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

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

Scrubber

- 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

Under 0.2 lb SO₂/mmBtu

- 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

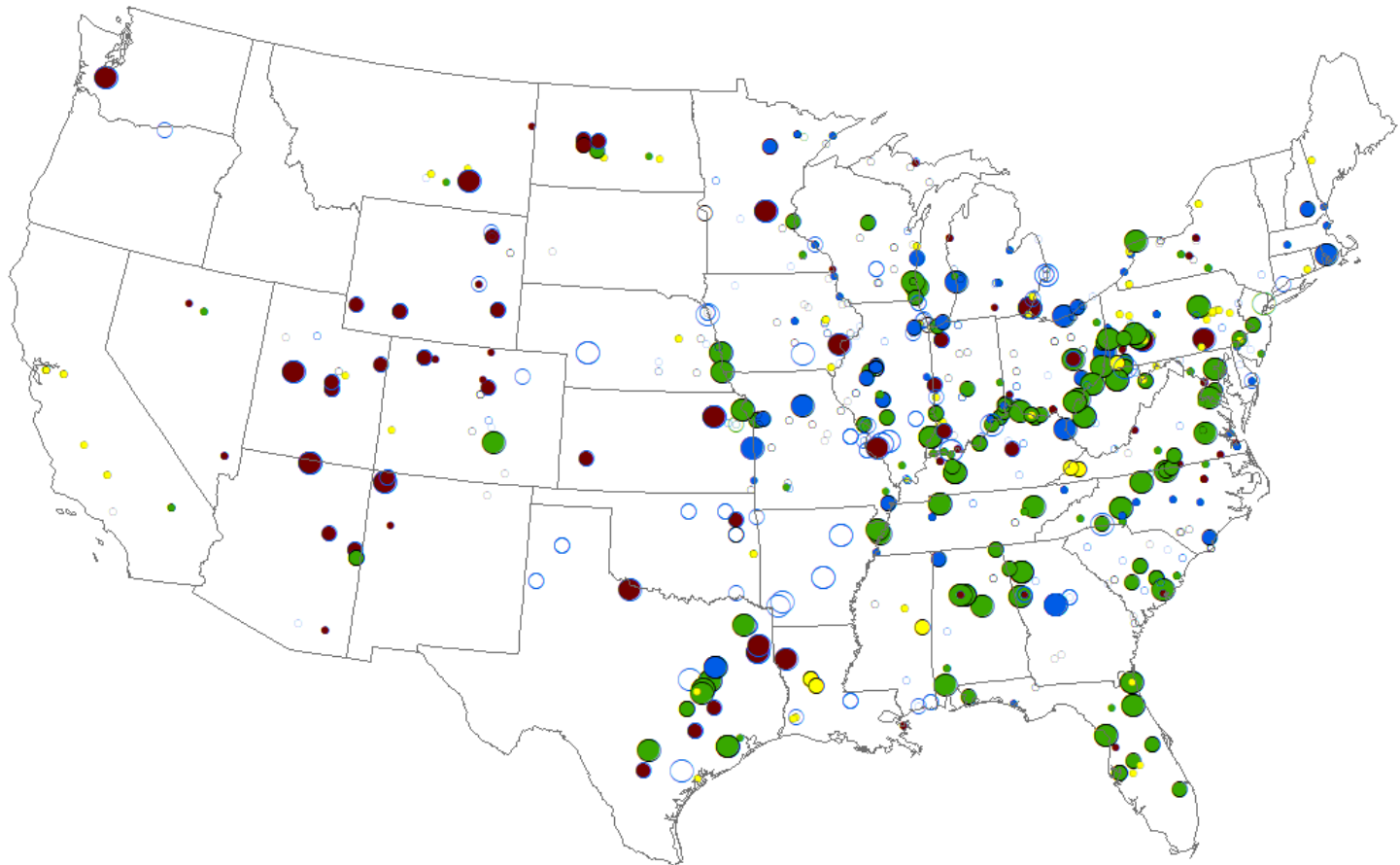
None

- 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, 12-18-2019) and AMPD (EPA, 2020)

2010 Coal Controls for SO₂ and NO_x

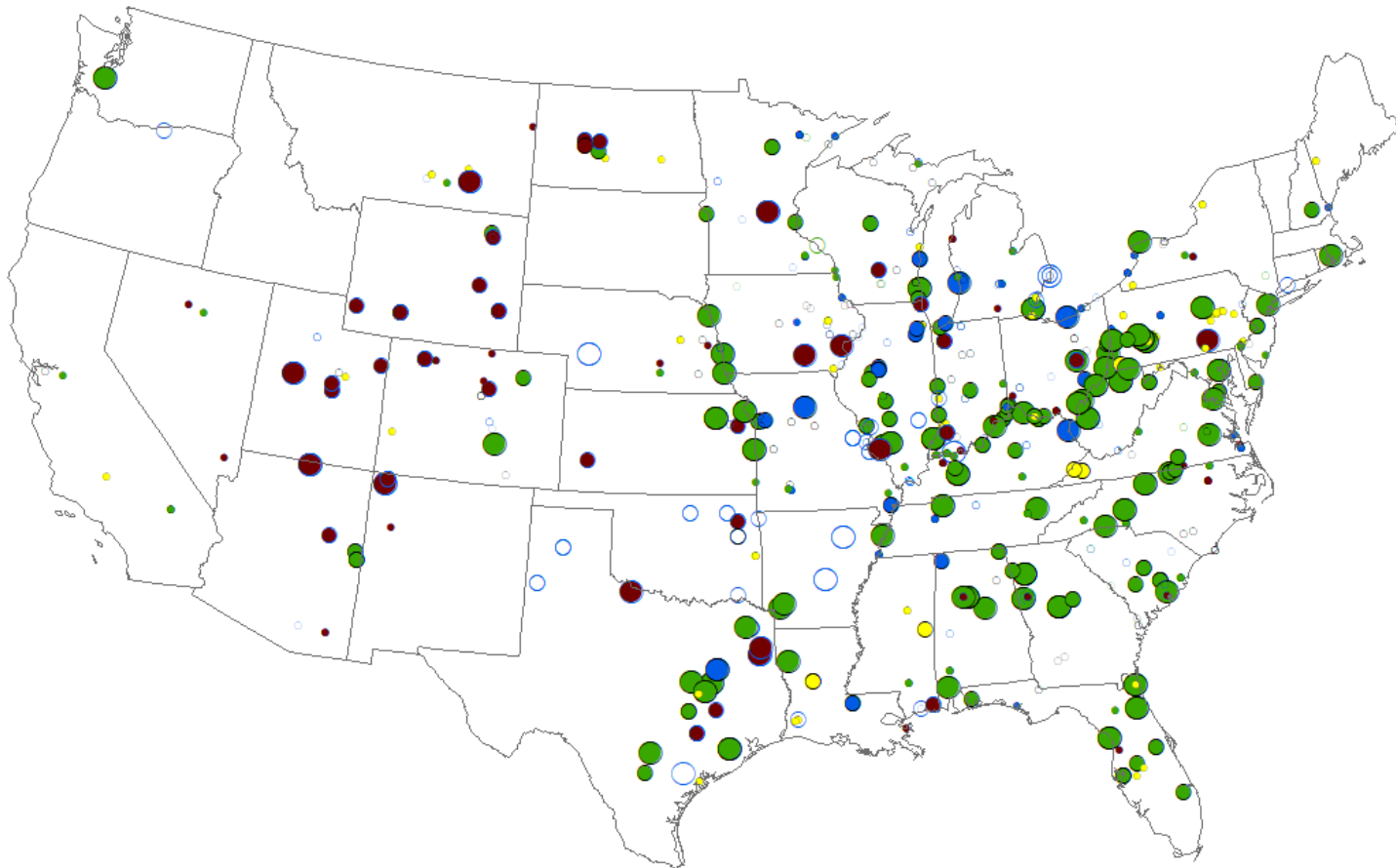


Scrubber and SCR/SNCR		Scrubber		LNB and Under 0.2 lb SO ₂ /mmBtu		Under 0.2 lb SO ₂ /mmBtu	
● Under 300 MW	● Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW
● 300 MW to 600 MW	● 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW
● Over 600 MW	● Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW
SCR/SNCR		FBC/IGCC		LNB		None	
● Under 300 MW	● Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW	○ Under 300 MW
● 300 MW to 600 MW	● 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW	○ 300 MW to 600 MW
● Over 600 MW	● Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 600 MW	○ Over 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, 12-18-2019) and AMPD (EPA, 2020)

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

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

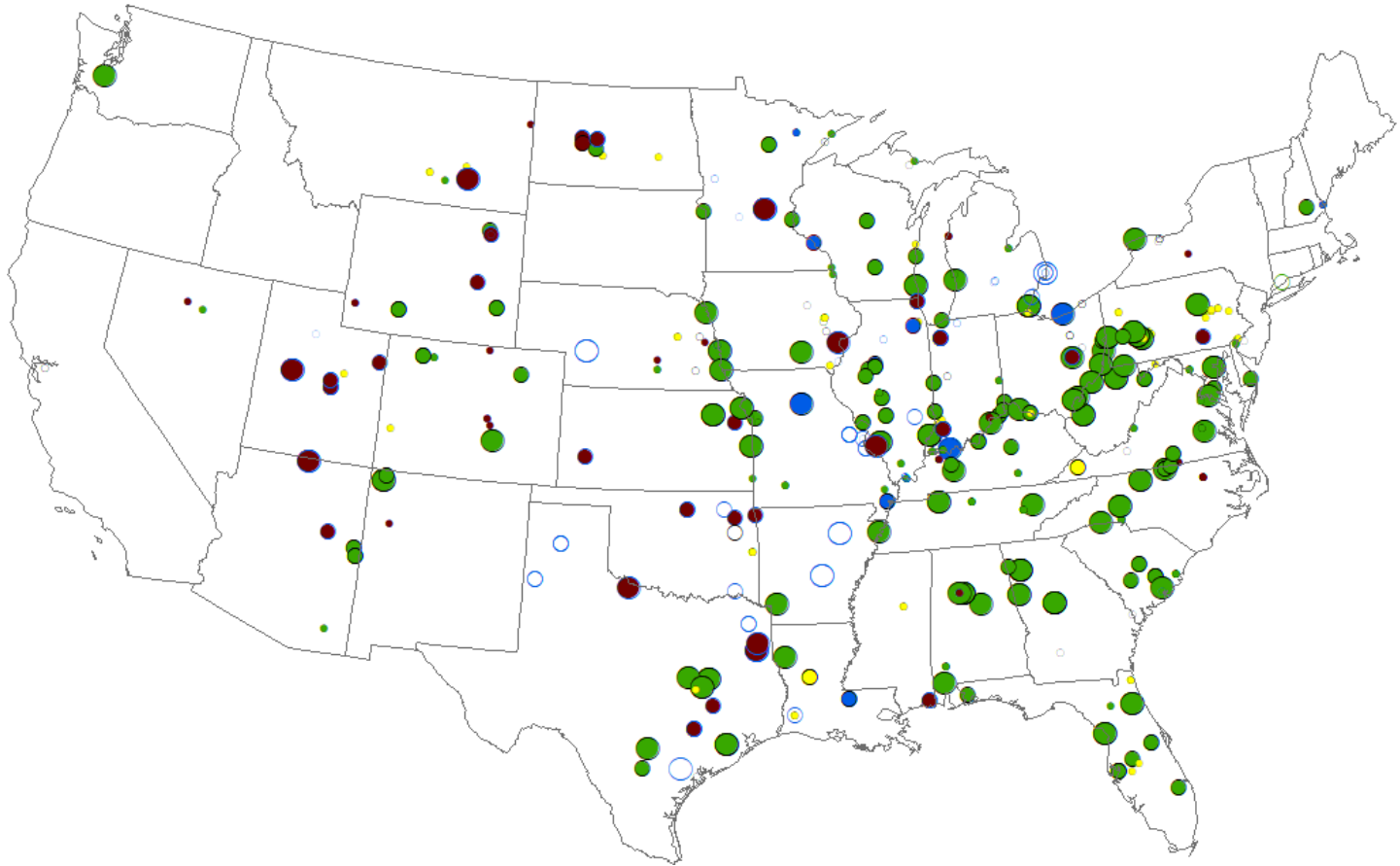
None

- 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, 12-18-2019) and AMPD (EPA, 2020)

2019 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

- 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

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LNB and Under 0.2 lb SO₂/mmBtu

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- Under 300 MW
- 300 MW to 600 MW
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- 300 MW to 600 MW
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None

- Under 300 MW
- 300 MW to 600 MW
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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, 12-18-2019) and AMPD (EPA, 2020)