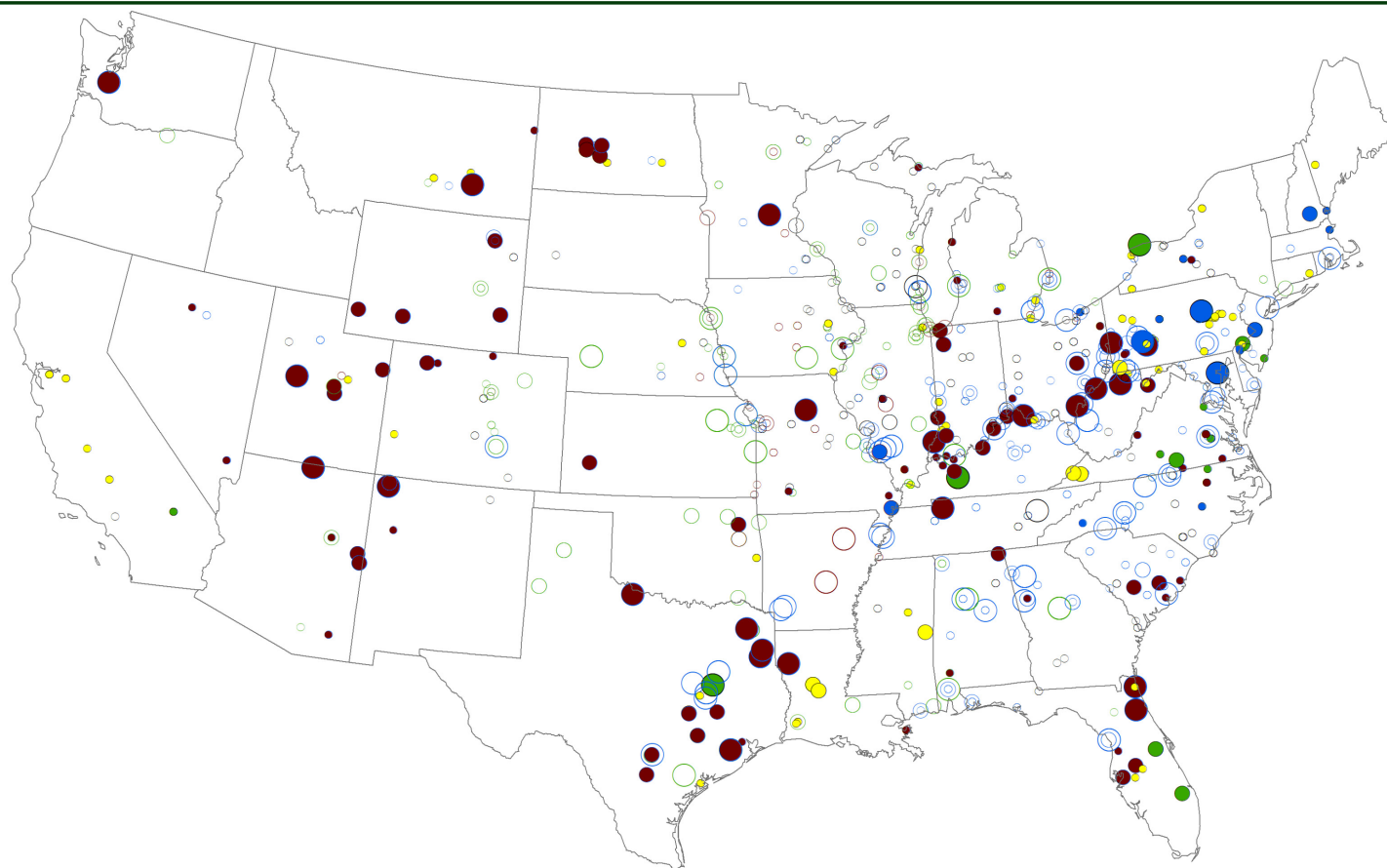


2000 Coal Controls for SO₂ and NO_x



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

Scrubber

- 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 1.0 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 1.0 lb SO₂/mmBtu

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

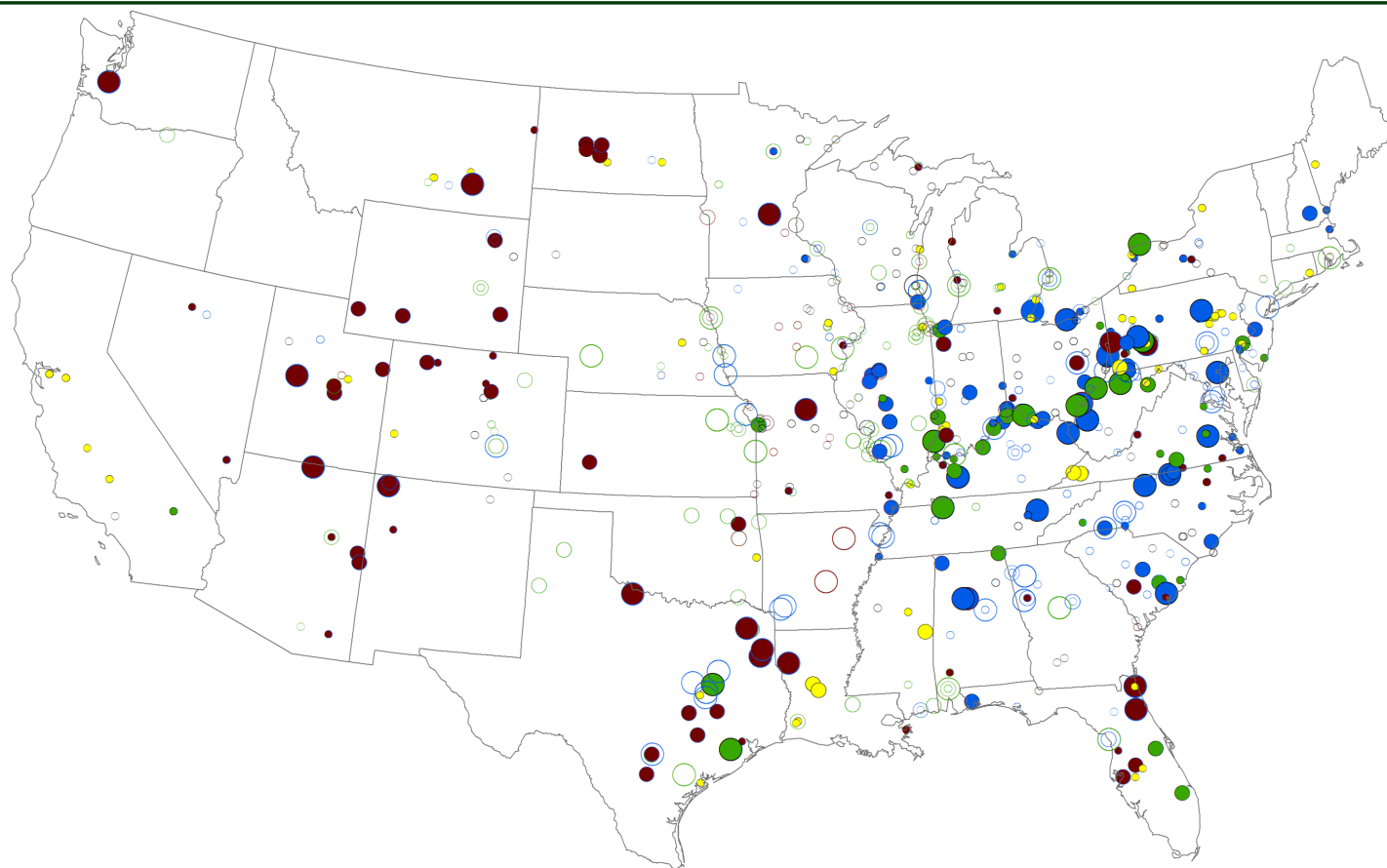
None

- 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 6 RC) (EPA, 2018) and AMPD (EPA, 2019)

2005 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 1.0 lb SO₂/mmBtu Under 1.0 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

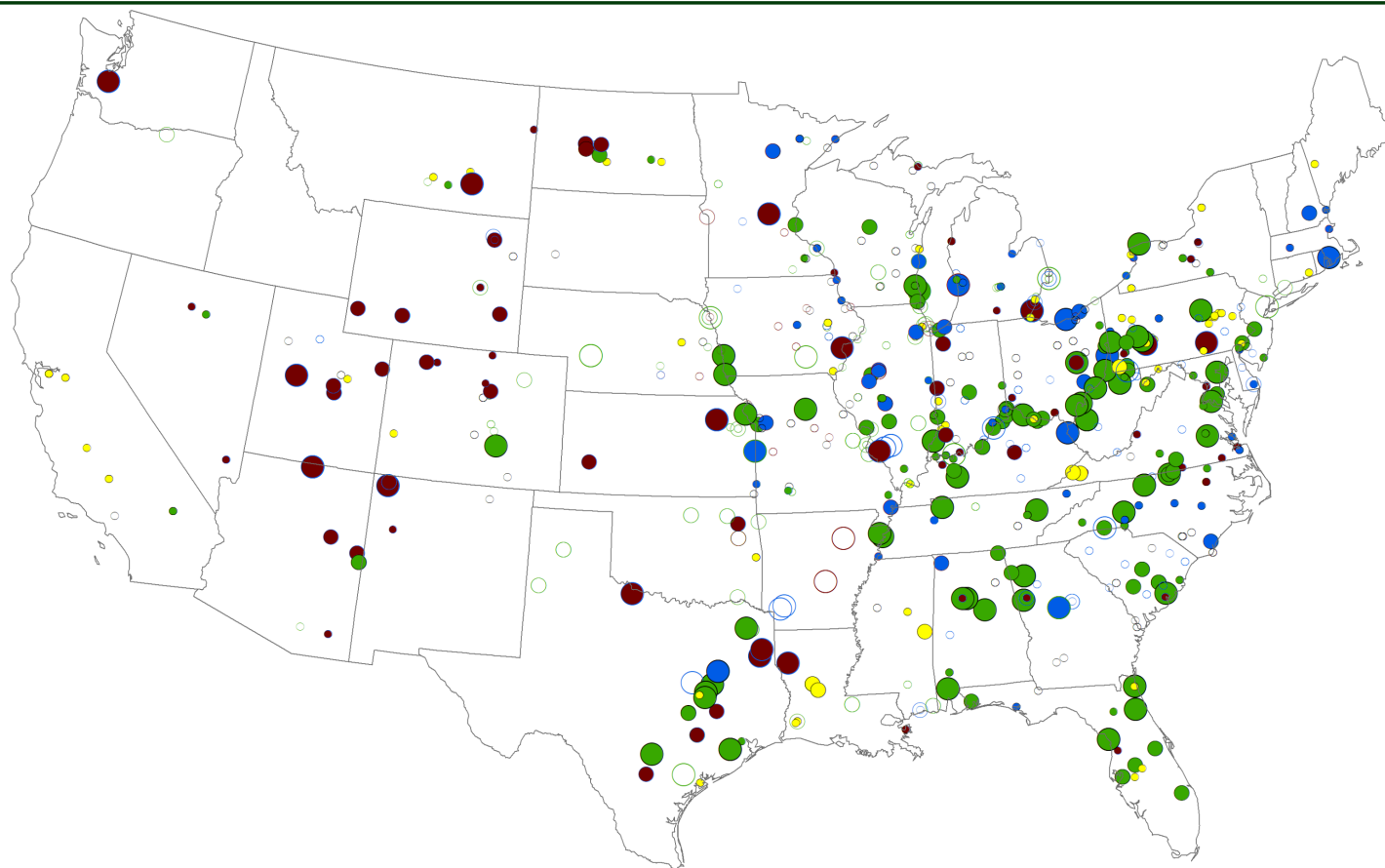
None

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- 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 6 RC) (EPA, 2018) and AMPD (EPA, 2019)

2010 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

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

LNB and Under 1.0 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 1.0 lb SO₂/mmBtu

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

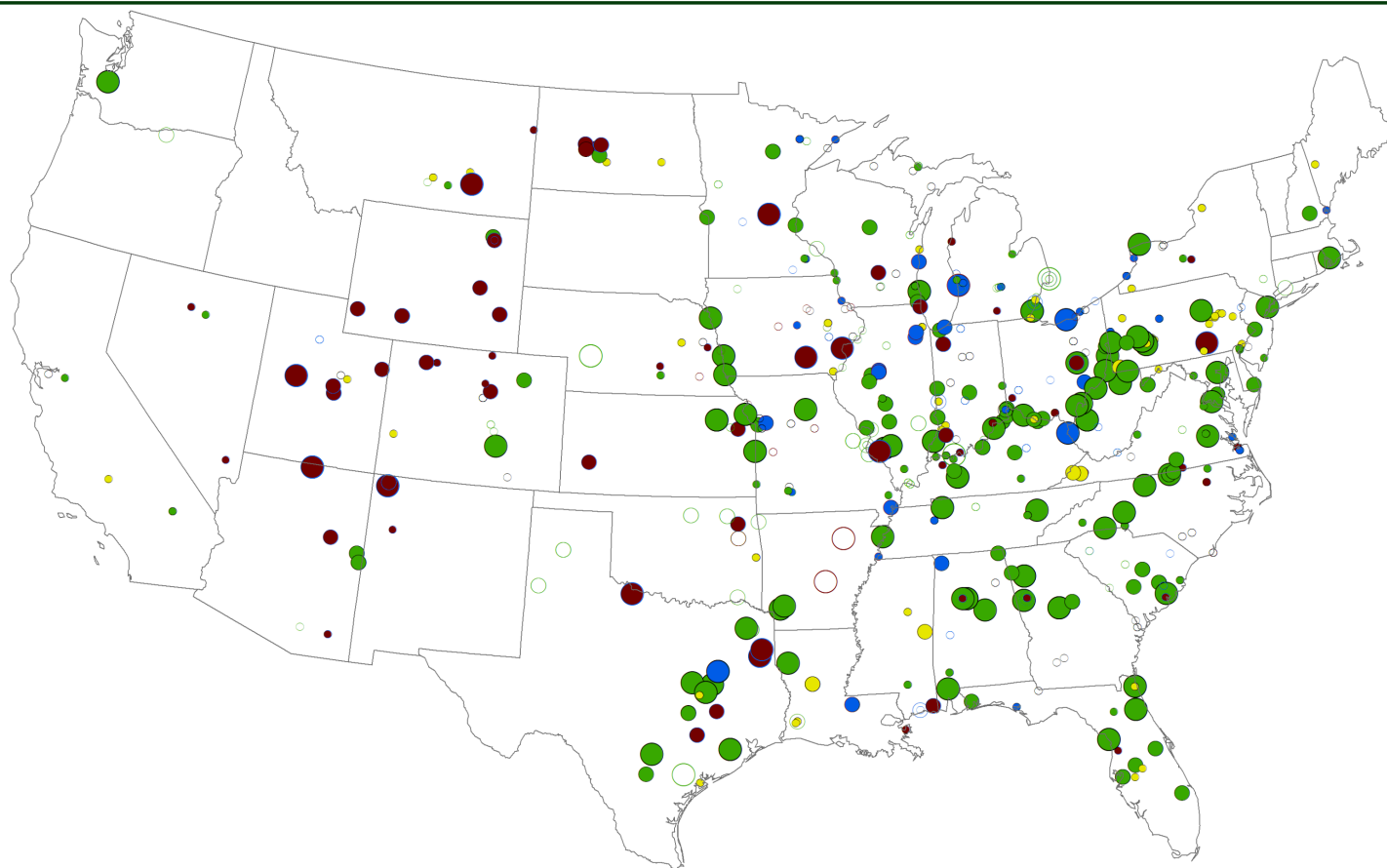
None

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- 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 6 RC) (EPA, 2018) and AMPD (EPA, 2019)

2015 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR

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

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- 300 MW to 600 MW
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SCR/SNCR

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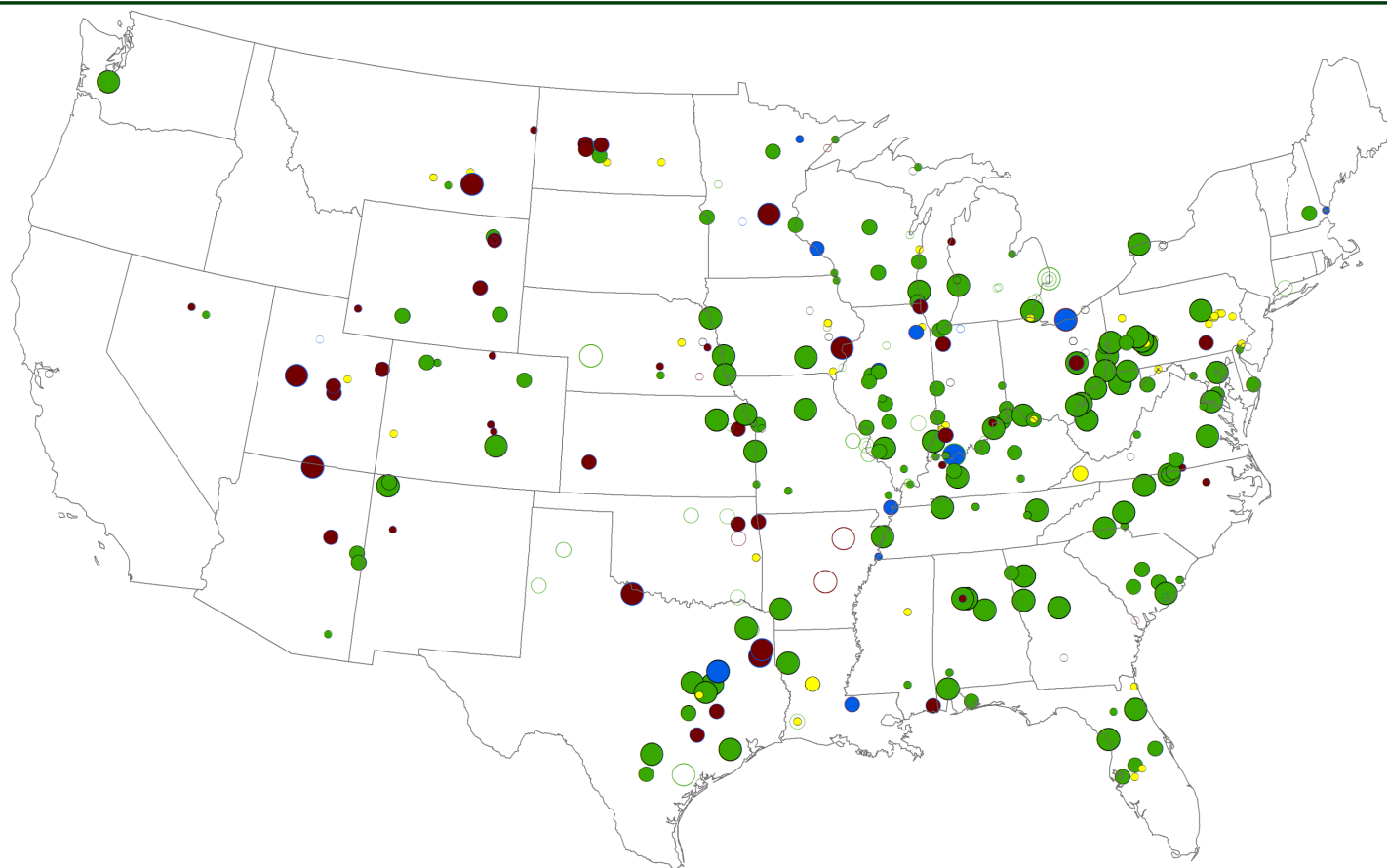
None

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- 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 6 RC) (EPA, 2018) and AMPD (EPA, 2019)

2018 Coal Controls for SO₂ and NO_x



Scrubber and SCR/SNCR Scrubber

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

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- 300 MW to 600 MW
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SCR/SNCR

- Under 300 MW
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FBC/IGCC

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

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- 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 6 RC) (EPA, 2018) and AMPD (EPA, 2019)