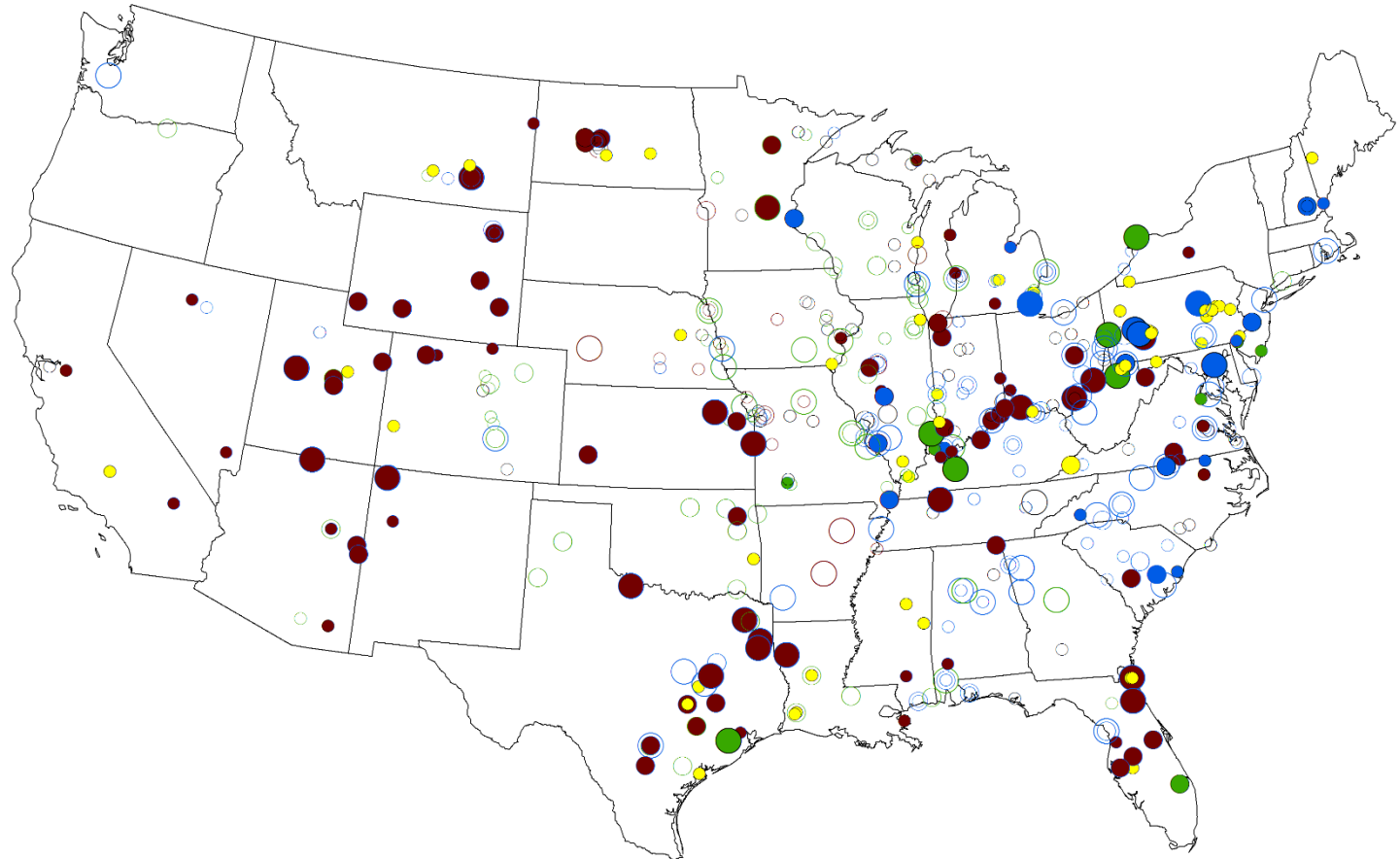


# 2000 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



**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 1.0 lb SO<sub>2</sub>/mmBtu**

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

**Under 1.0 lb SO<sub>2</sub>/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

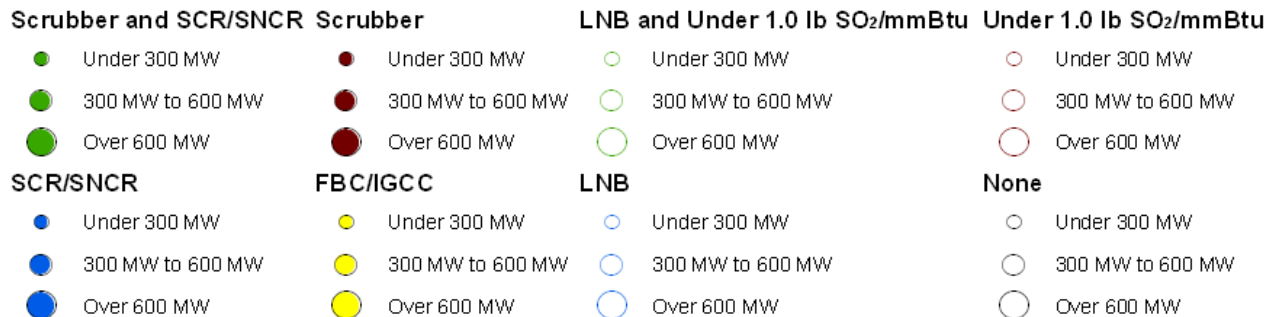
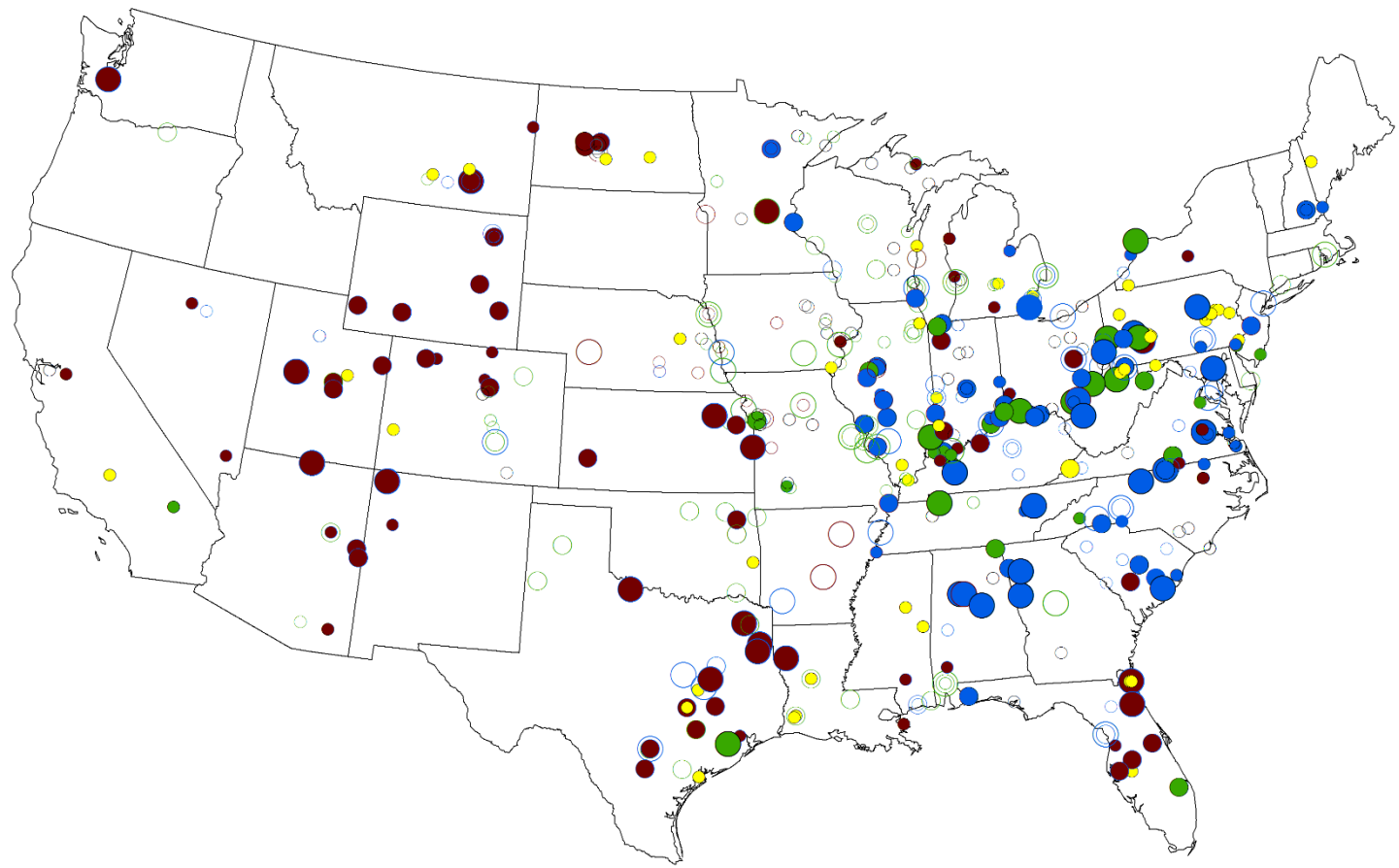
**None**

- 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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

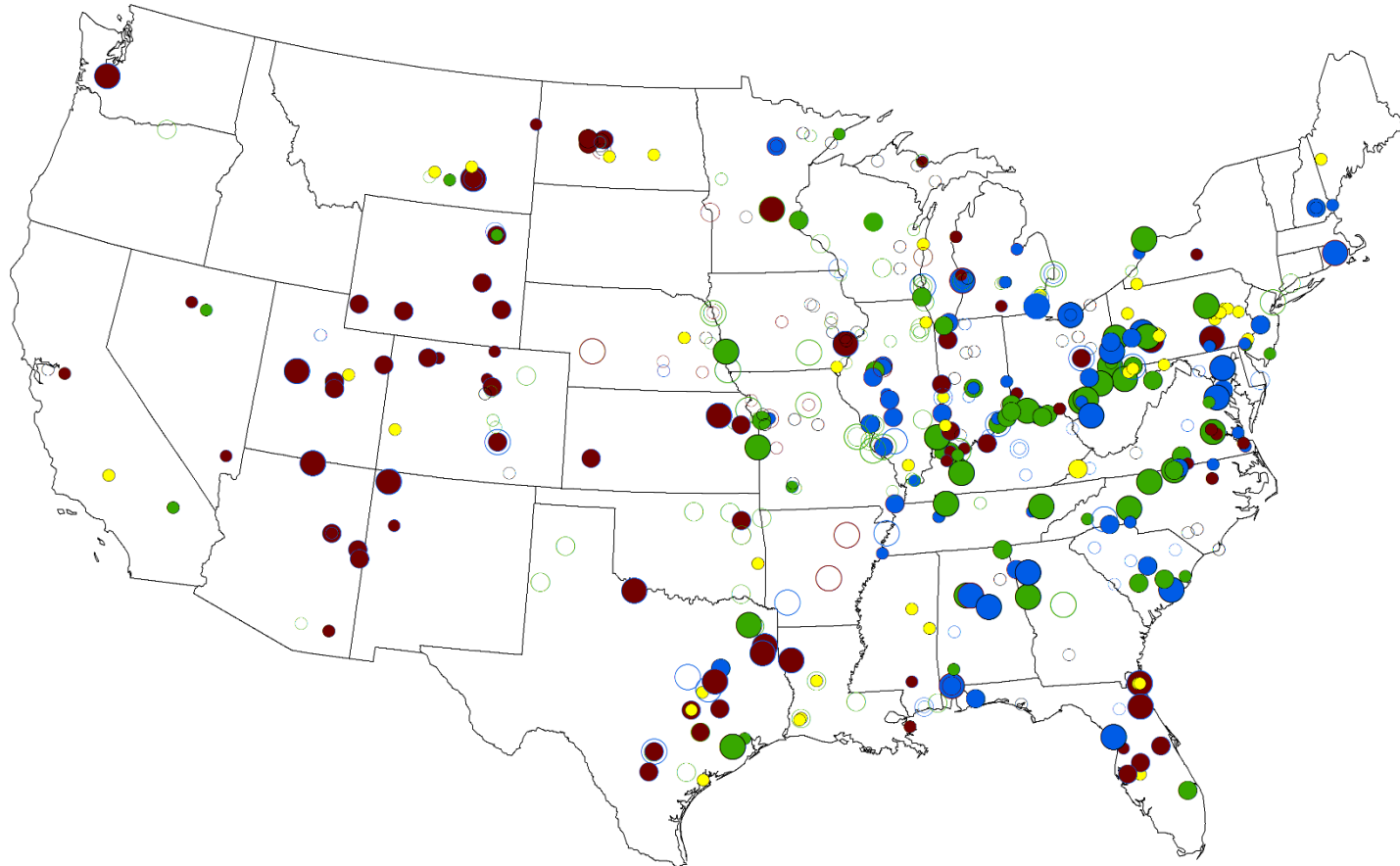
# 2005 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

# 2008 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



**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 1.0 lb SO<sub>2</sub>/mmBtu**

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

**Under 1.0 lb SO<sub>2</sub>/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

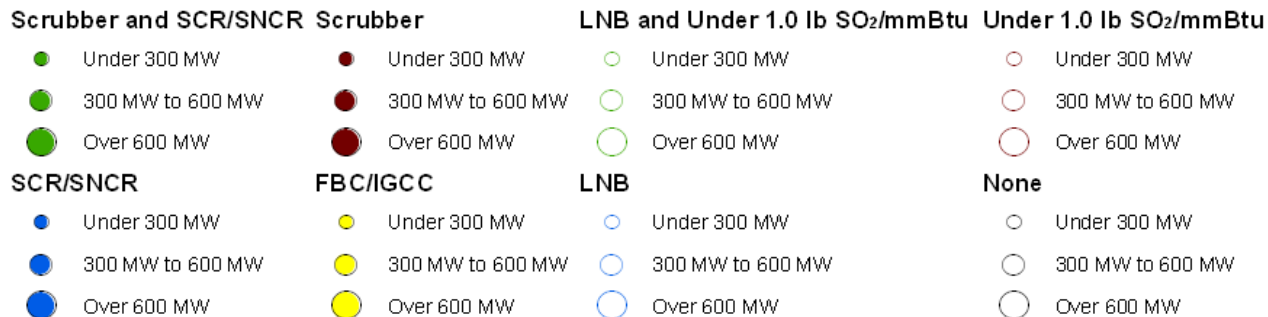
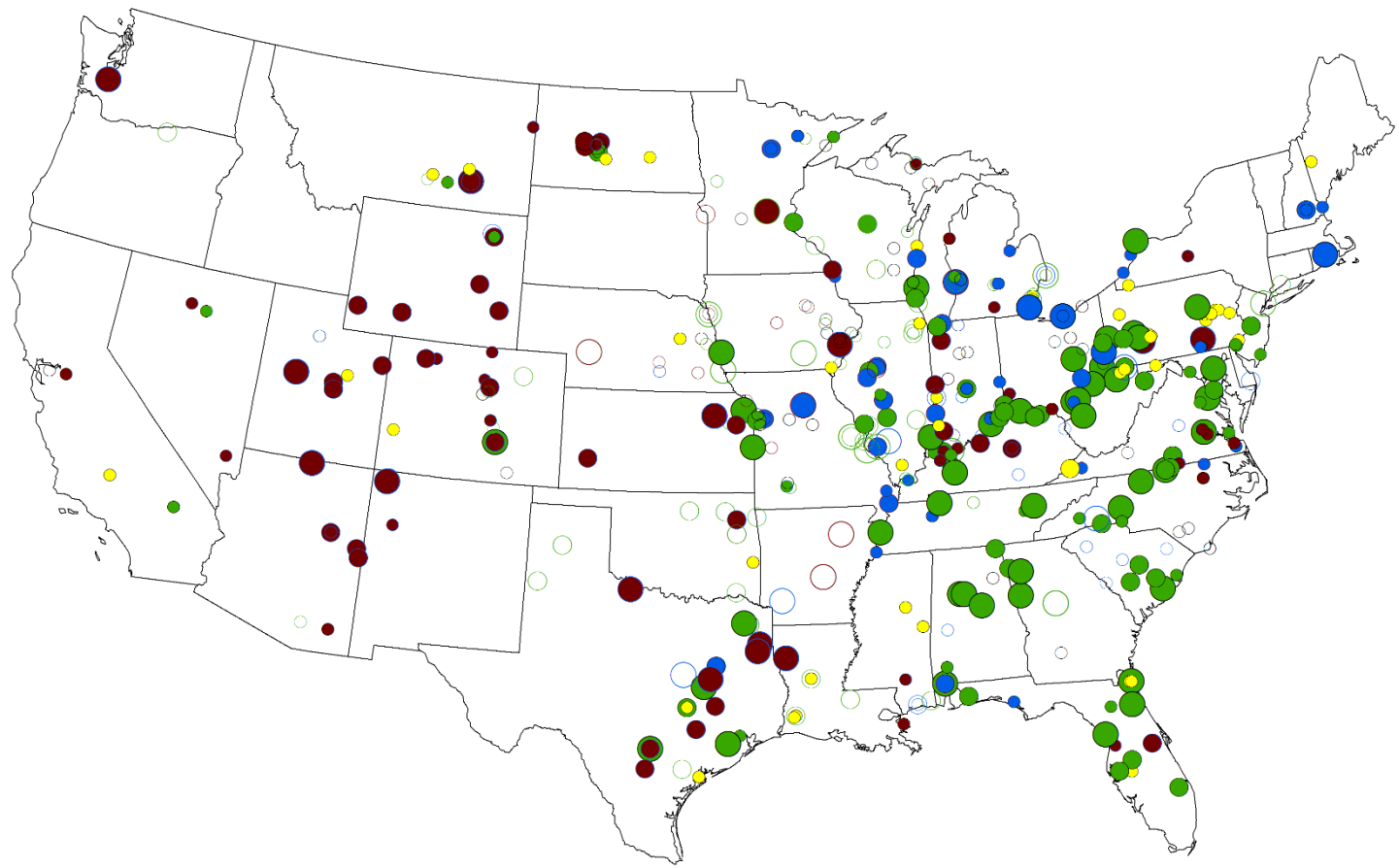
**None**

- 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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

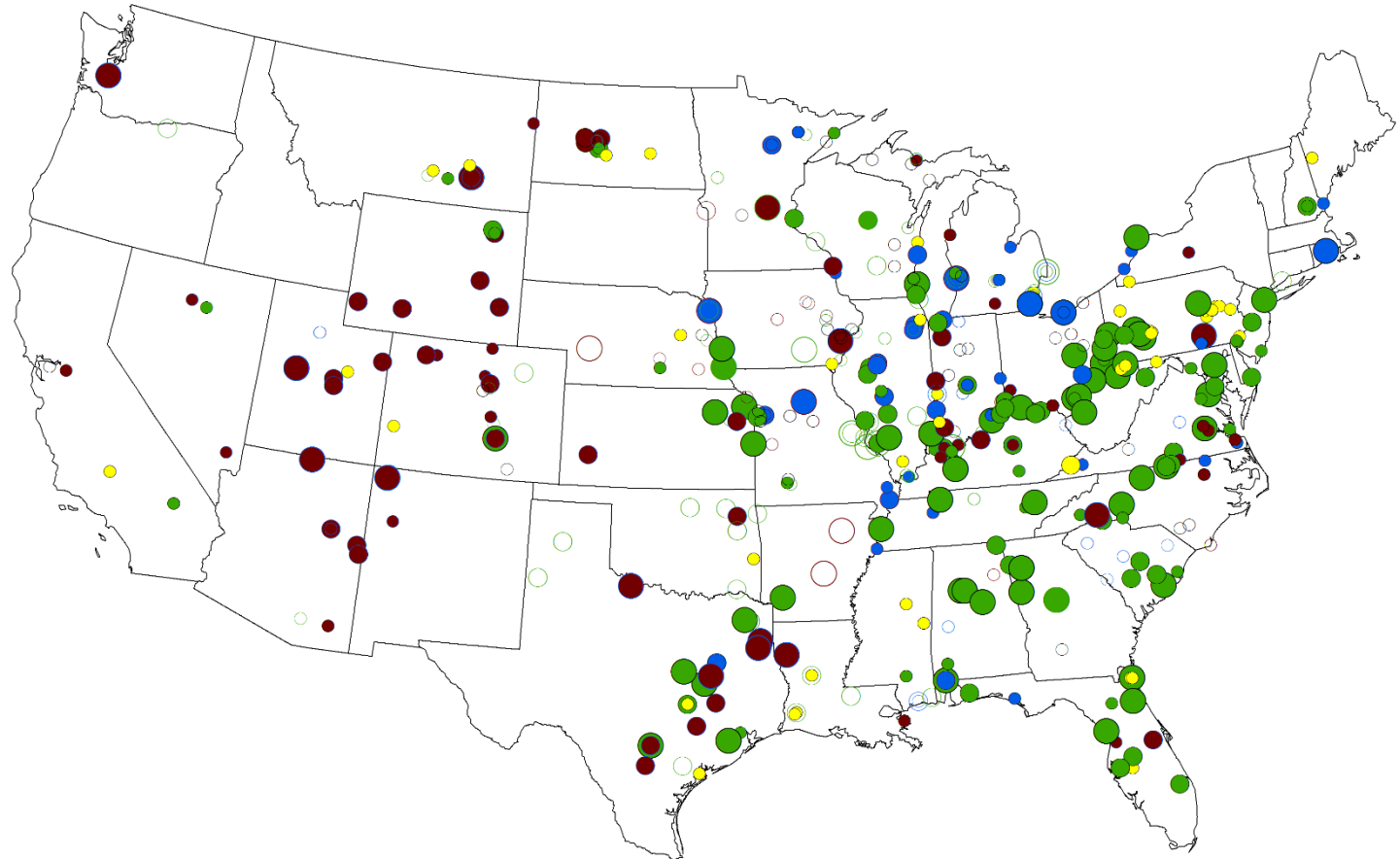
# 2010 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

# 2012 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



**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 1.0 lb SO<sub>2</sub>/mmBtu**

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

**Under 1.0 lb SO<sub>2</sub>/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

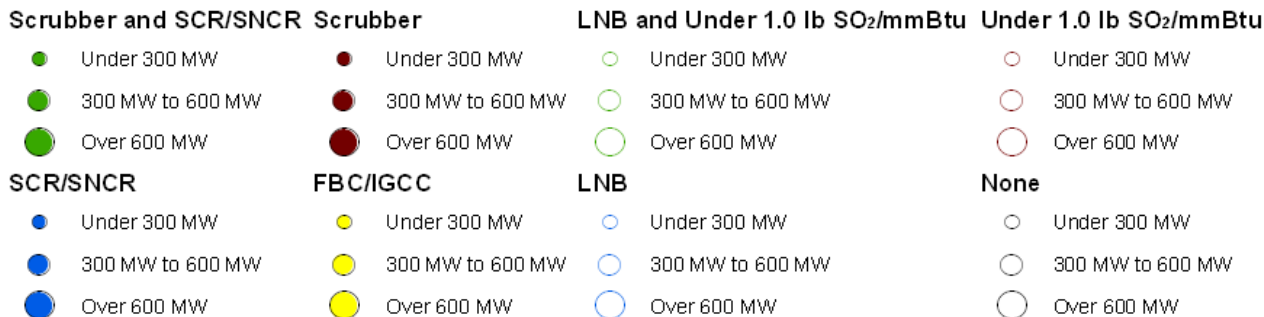
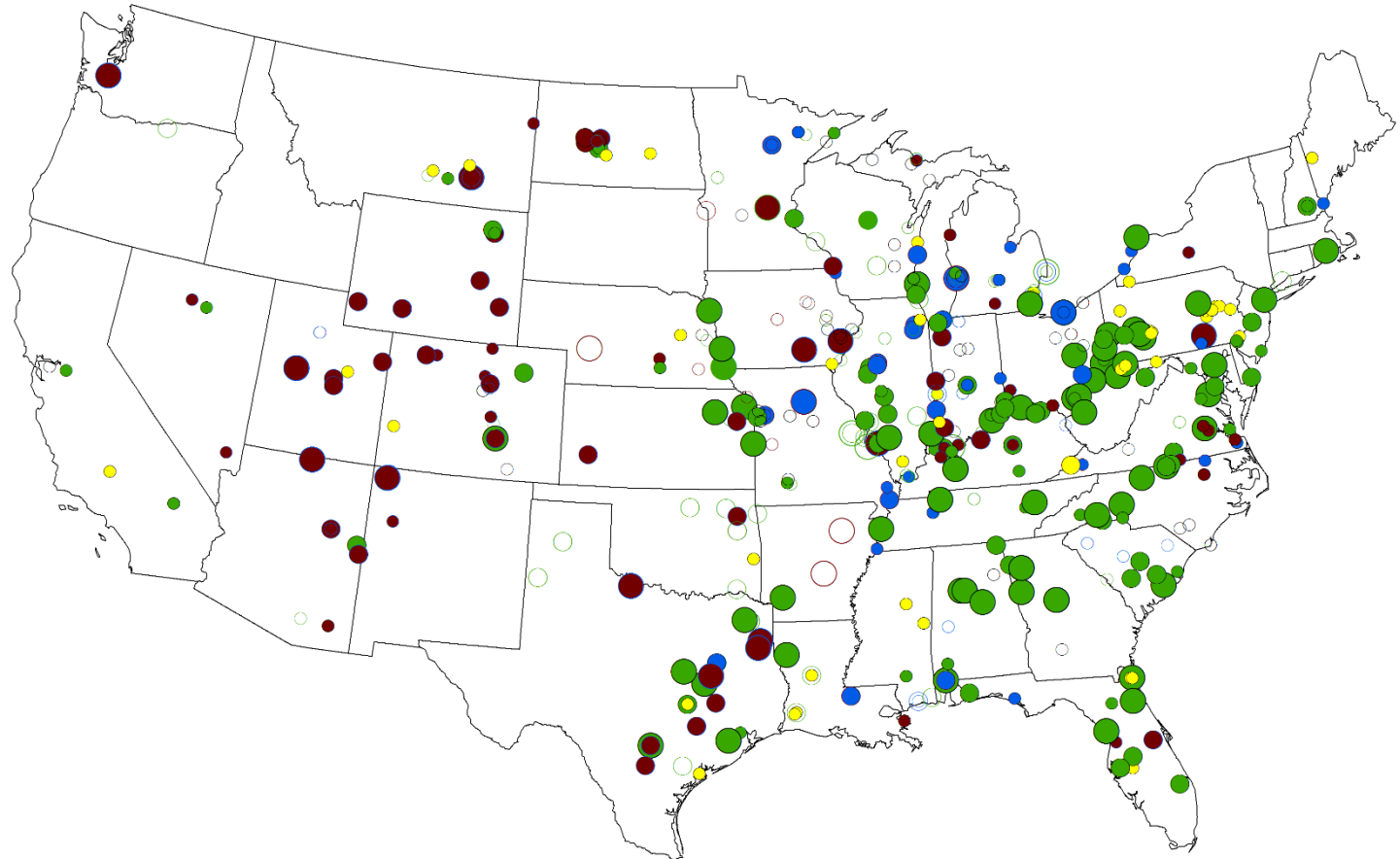
**None**

- 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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

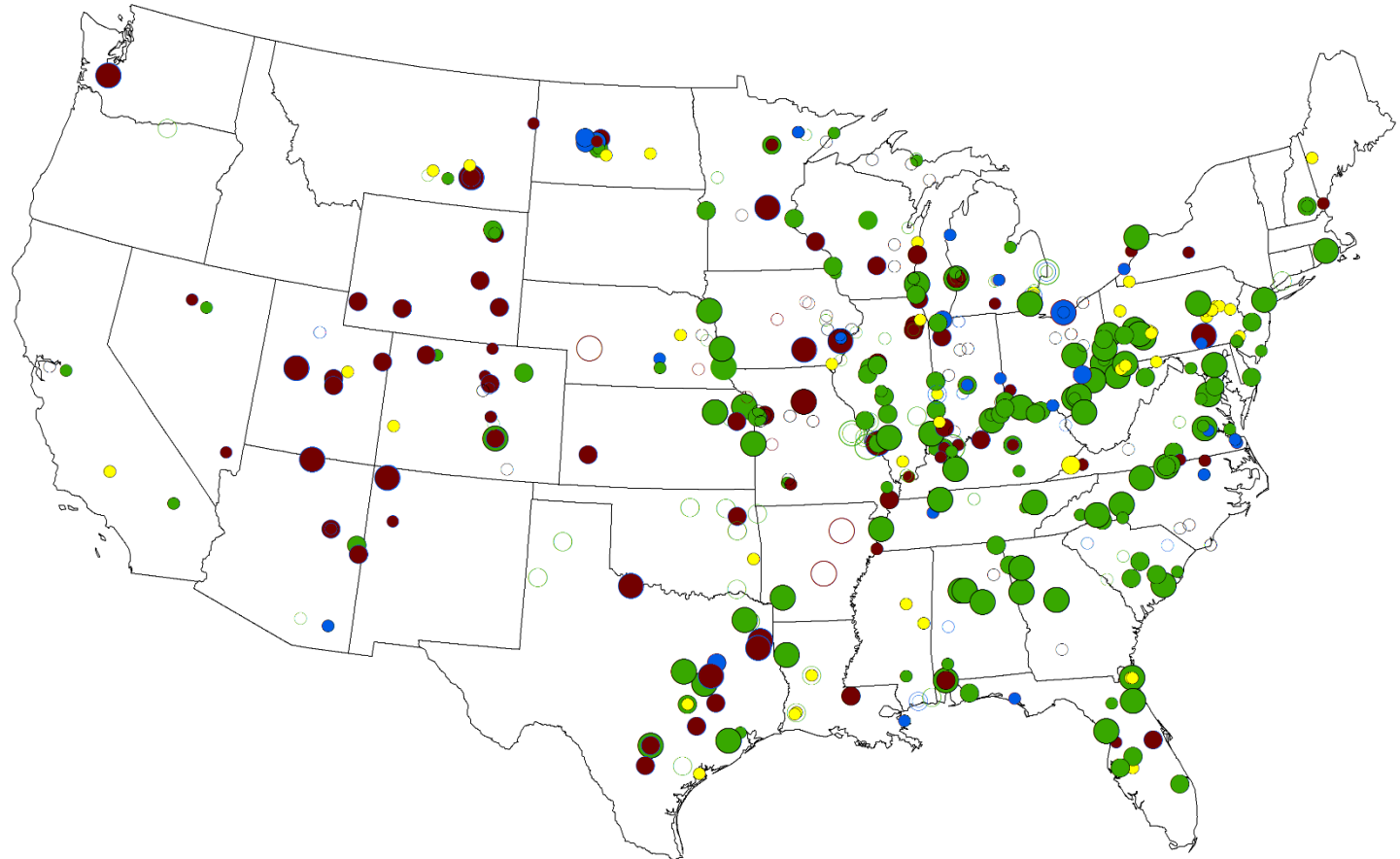
# 2014 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

# 2015 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



**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 1.0 lb SO<sub>2</sub>/mmBtu**

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

**Under 1.0 lb SO<sub>2</sub>/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

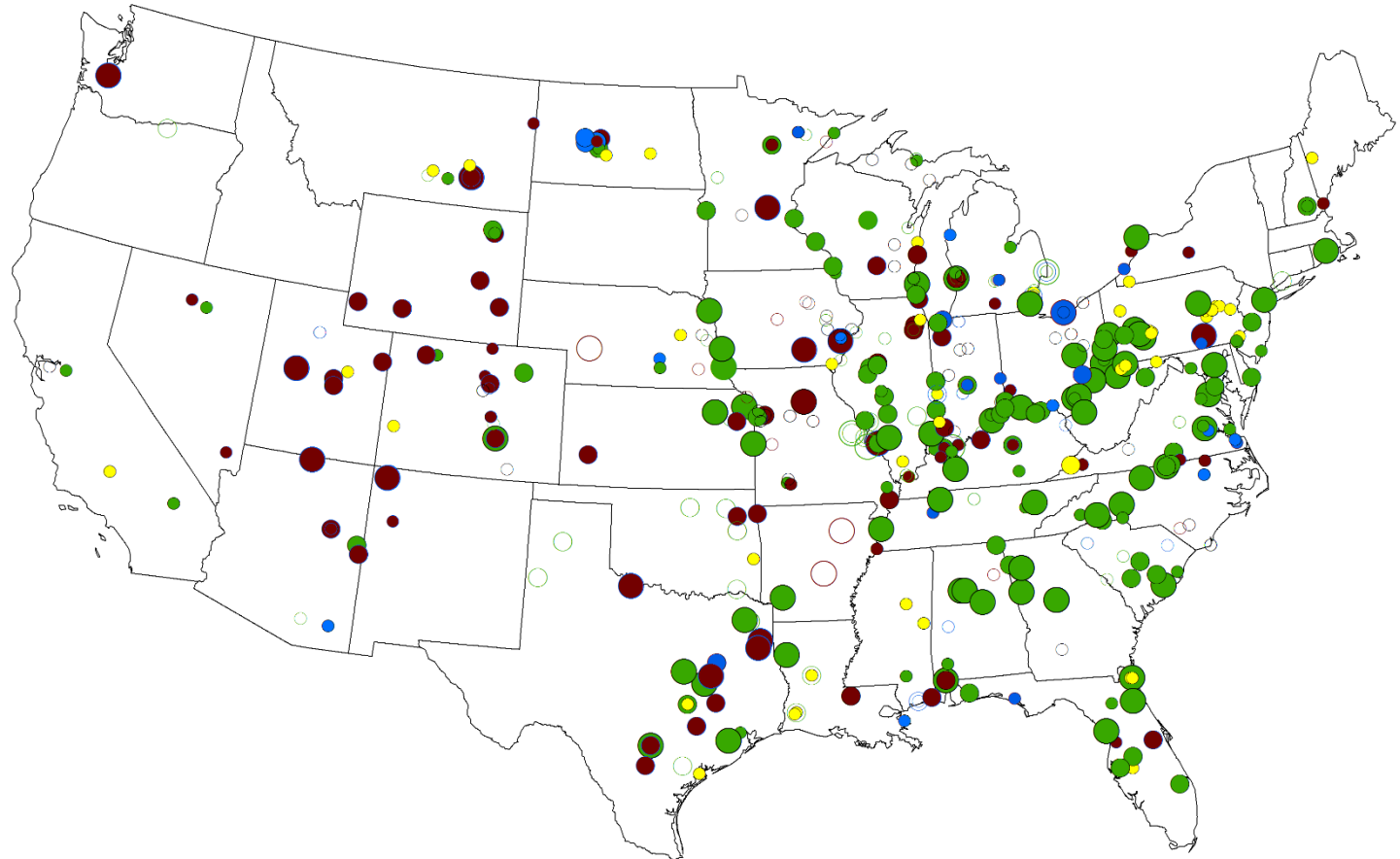
**None**

- 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 5.15) (EPA, 2015) and AMPD (EPA, 2016)

# 2016 Coal Controls for SO<sub>2</sub> and NO<sub>x</sub>



**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 1.0 lb SO<sub>2</sub>/mmBtu**

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

**Under 1.0 lb SO<sub>2</sub>/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 5.15) (EPA, 2015) and AMPD (EPA, 2016)