Southern States Energy Board

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Topics

- Coal Fleet
- Clean Power Plan
- What can you do?
ACCCE

- Represents coal-based electricity generation
- 30+ member companies
- Coal companies, railroads, electric utilities, equipment suppliers
Snapshot of the U.S. Coal Fleet

- Provided 39 percent of electricity in 2014
- At beginning of 2015 -- 1,236 coal units (300,000 MW)
- 251 units (45,000 MW) in 35 states have announced retirement 2015-2025
- Most retirements have been attributed to EPA policies

Sources: EIA (2015); individual company retirement announcements; Energy Ventures Analysis (2013); EPA Clean Air Markets Division (2013)
Snapshot of the U.S. Coal Fleet

- $143 billion invested by 2017 to reduce conventional emissions -- $74 billion of that from 2001-2010

- SO$_2$, NO$_x$, PM have been reduced by 90% per kWh

Sources: EIA (2015); individual company retirement announcements; Energy Ventures Analysis (2013); EPA Clean Air Markets Division (2013)
Clean Power Plan

- EPA proposal to reduce CO₂ ("carbon") emissions from power plants

- EPA’s goal is a 30% reduction in power sector CO₂ emissions by 2030

- Mandates a fundamental change in electricity generation and use

- Proposed last summer; final rule this summer; state plans due 2016
NERA Analysis

- 43 states will have double digit electricity price increases
- 14 states will have peak-year increases that exceed 20%
- Annual cost of $41 to 73 billion
- Compliance costs will total $366 billion to $479 billion over 15 years
Consumers pay a total of $560 billion to reduce electricity use.

Additional coal retirements range from 45,000 - 169,000 MW.

Coal generation declines by 29% - 71%.

Natural gas prices increase by 2% - 29%.
Cost of Clean Power Plan Compared to Other Power Sector Rules

EPA’s Proposal Will Cause Double Digit Electricity Price Increases in 43 States (2020 – 2029 Average)

Alaska also has a double digit increase
The proposed Clean Power Plan is projected to reduce coal use for electricity generation by 29% (best case) to 71% (worst case).
U.S. Power Sector Emissions Represent Only 4% of World GHG Emissions (Billions of Metric Tons)

U.S. Power Sector CO₂ Emissions with CPP vs China and India in 2030 (metric tons)

EPA’s Proposal Will Have No Real Effect on Climate Change

- CO₂ concentrations will be reduced by less than 0.5%
- Global average temperature rise will be reduced by 0.016 degree F (less than 2/100ths of a degree)
- Sea level rise will be reduced by 0.3 millimeter (1/100th of an inch or the thickness of three sheets of paper)

Opposition to the Clean Power Plan

- Officials from 32 states have expressed opposition.

- Grid operators and officials have expressed concern about negative impacts on grid reliability.

- Two lawsuits are pending over the proposed Clean Power Plan in the D.C. Circuit (15 states have sued).

- Many more lawsuits will be filed when the rule goes final.

- Whitfield and Capito bills, H.R. 2042 and S. 1324
32 States Oppose EPA’s Clean Power Plan
What you can do

- Support opposition and litigation by your state

- Ask your Representatives and Senators to support the Whitfield and Capito bills

- Resources: www.americaspower.org