Topics

- Coal Fleet
- Costs
- Benefits
- State Opposition
- Resources
Snapshot of the U.S. Coal Fleet

❖ Provided 40 percent of electricity so far this year

❖ More than 450 coal units have announced retirement

❖ Most have been attributed to EPA policies

❖ $145 billion invested by 2016 to reduce emissions

❖ SO₂, NOₓ, PM have been reduced by 90% per kWh

Sources: EIA (2014); individual company retirement announcements; Energy Ventures Analysis (2013); EPA Clean Air Markets Division (2013)
NERA Analysis

- 43 states will have double digit electricity price increases

- 14 states will have peak-year increases that exceed 20%

- Compliance costs will total $366 billion to $479 billion over 15 years

- Cost to consumers will be $34 billion/yr to $48 billion/yr
NERA Analysis

- Consumers pay a total of $560 billion to reduce electricity use

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

- Coal generation declines by 29% - 71%

- Natural gas prices increase by 2% - 29%
EPA’s Proposal Will Cause Double Digit Electricity Price Increases in 43 States (2020 – 2029 Average)

Alaska also has a double digit increase
U.S. Power Sector Emissions Represent Only 4% of World GHG Emissions (Billions of Metric Tons)

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

- CO$_2$ concentrations will be reduced by less than 0.5%

- Global average temperature rise will be reduced by 0.016 degree F (less than 2/100$^{th}$ of a degree)

- Sea level rise will be reduced by 0.3 millimeter (1/100$^{th}$ of an inch or the thickness of three sheets of paper)

State Legislation and Resolutions

- 6 states have passed legislation limiting the scope of state implementation plans or requiring legislative approval.

- 14 states have passed resolutions through one or both Houses opposing EPA’s proposal or limiting the scope of state plans.
State Opposition

- Officials from 27 states have said EPA does not have authority to regulate coal-fired power plants.

- Officials from 28 states have said EPA cannot regulate “outside the fence.”

- Officials from 26 states have said EPA should withdraw its proposal.
Resources

- *Federalist Society* paper
- Legal comments by Lawrence Tribe (Harvard)
- ACCCE summary of comments from 32 states
- Highlights of NERA modeling results
- NERA’s full report
- ACCCE impacts of EPA’s proposal on each of 31 states
- ACCCE *Climate Effects* paper
- ACCCE *Climate Actions by Other Countries*
- ACCCE *Coal Retirements*