



# **Implementing EPA's Clean Power Plan: A Menu of Options**

**Electricity Advisory Committee**

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# Who We Are

- ❑ National association of air pollution control agencies, located in Washington, D.C.
- ❑ 41 state agencies, Washington, D.C. and 3 territories
- ❑ 116 local agencies
- ❑ These air pollution control agencies are given “primary responsibility” under the Clean Air Act for implementation
- ❑ They are responsible for developing and implementing the state’s compliance strategies under EPA’s Clean Power Plan

# State Implementation Decisions

- States have two general categories of implementation decisions to make:
  - ◆ **What** technologies and policies to rely on to meet the state emissions target?
  - ◆ **How** to incorporate those strategies into an approvable state plan?

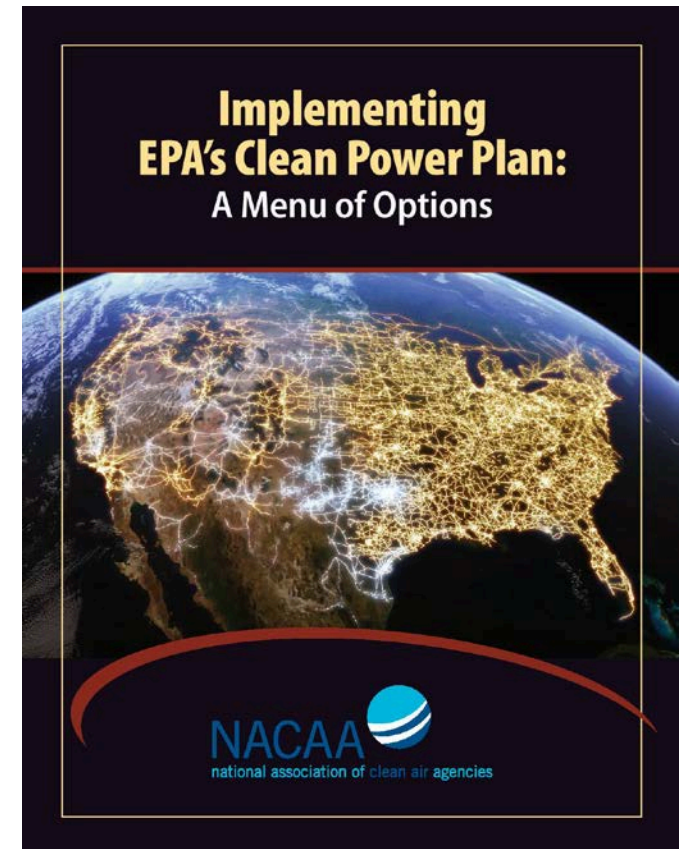
# NACAA's Implementation Tools: Menu of Options

- ❑ NACAA published *Implementing EPA's Clean Power Plan: A Menu of Options* on 5/21
- ❑ Developed by the Regulatory Assistance Project
- ❑ The *Menu* is a 465-page, 26-chapter report summarizing best technologies, policies and programs to reduce greenhouse gas emissions from the power sector
- ❑ For each option, the *Menu* provides a common core of information, including a description, costs, examples of implementation, GHG reduction potential, co-benefits, and additional resources

# Implementing EPA's Clean Power Plan: A Menu of Options

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# Options within EPA's Building Blocks

- ❑ Includes mitigation options that fall both *within* and *beyond* EPA's three "building blocks"
- ❑ Options falling within the "building blocks" include, among others:
  - ◆ Building Block 1 – "Optimize Power Plant Operations"
  - ◆ Building Block 2 – "Retire Aging Power Plants"
  - ◆ Building Block 3 – "Increase Generation from Low-Emission Resources"

# Options beyond EPA's Building Blocks

- Options that go *beyond* EPA's building blocks include, among many others:
  - ◆ "Improve Coal Quality"
  - ◆ "Switch Fuels at Existing Power Plants"
  - ◆ "Reduce Losses in the Transmission and Distribution System"
  - ◆ "Increase Clean Energy Procurement Requirements"
  - ◆ "Implement Combined Heat and Power" in the commercial, institutional and manufacturing sectors, "Boost Appliance Standards," and "Boost Building Codes"

# Implications of Changes in the Final Rule

- ❑ Energy efficiency removed from state goals but remains a compliance option
- ❑ The final rule includes a much more extensive discussion of the non-building block compliance options available to states
- ❑ For a discussion of creditable reduction measures that occur at affected EGUs, see Section VIII.I, p. 1149
  - ◆ E.g. fuel Switching; Combined Heat and Power; and Carbon Capture and Sequestration or Utilization
- ❑ For a discussion of accounting requirements for reduction measures in rate-based states, see Section VIII.k.1.a.(3)-(10), pp. 1232-53
  - ◆ E.g. biomass co-firing and repowering; demand-side management; and transmission and distribution measures



# For Further Information

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