

EPA's Clean Power Plan

Public Workshop

March 11, 2016



RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

Summary of Final Rule

- Announced on August 3, 2015. Published in Federal Register October 23, 2015.
- Will reduce carbon pollution from existing power plants.
- Developed using the authority under Section 111(d) of the Clean Air Act.
- Supreme Court Stay – February 9, 2016



How the Clean Power Plan Works

- EPA has established interim and final goals for each state.
- The interim goals are to be achieved beginning in 2022 and the final goal is to be achieved by 2030.
- The state goals are expressed in two ways: a rate based goal (lb/MW-hr) and a mass based goal (tons of CO₂).
- RI's rate based goal (2030) is 771 lb/MW-hr and the mass based goal is 3,522,225 tons.

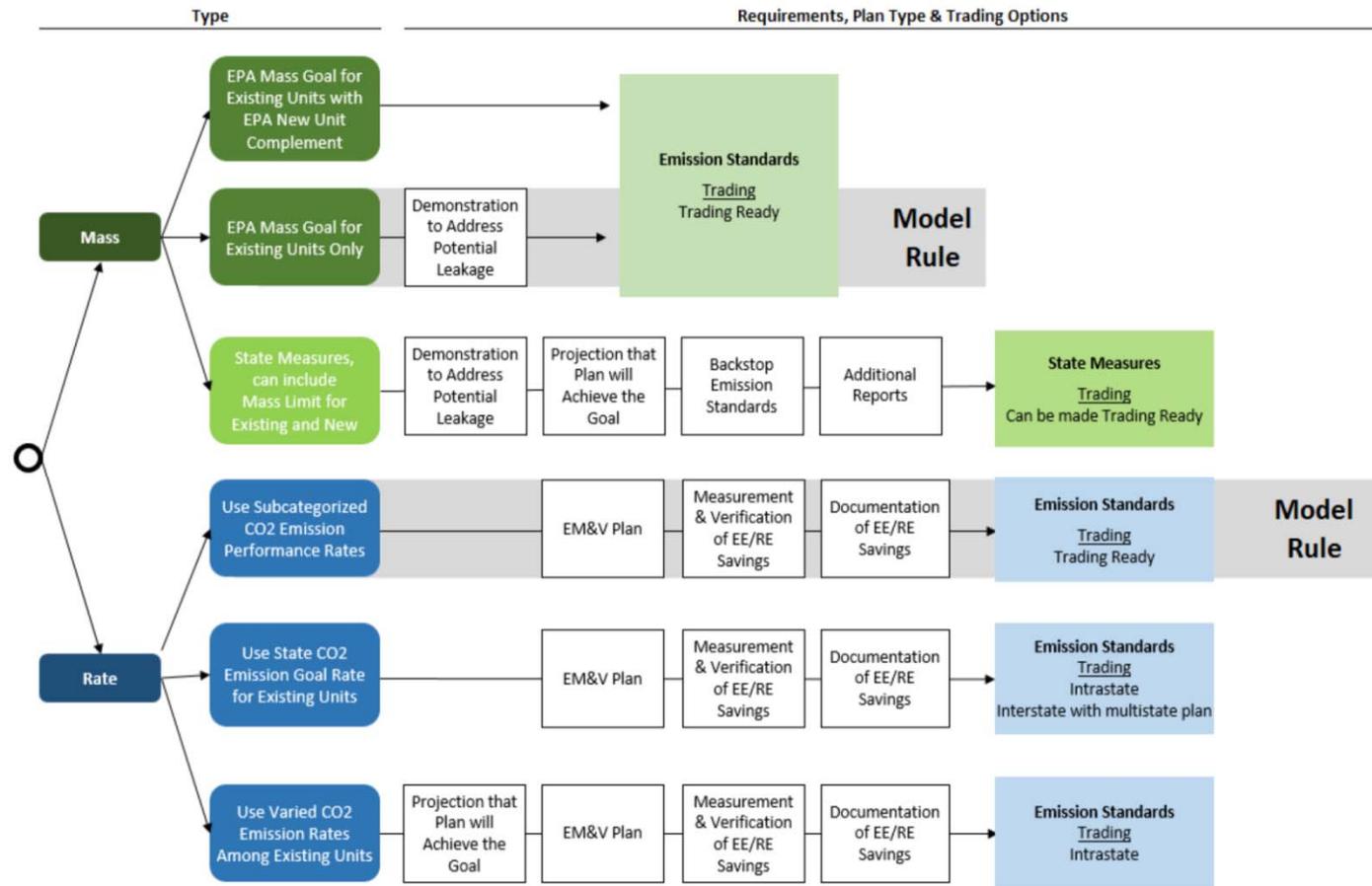


How will Rhode Island comply?

- The “current leaning” for RGGI and Rhode Island is to submit a multi-state “Emission Standards” plan based on our continued participation in the *Regional Greenhouse Gas Initiative* (RGGI).
- RGGI is a market-based regulatory program to reduce greenhouse gas emissions from electric power generating units. RGGI is a cooperative effort among the states of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont.



CPP Plan Approaches



How does RGGI work?

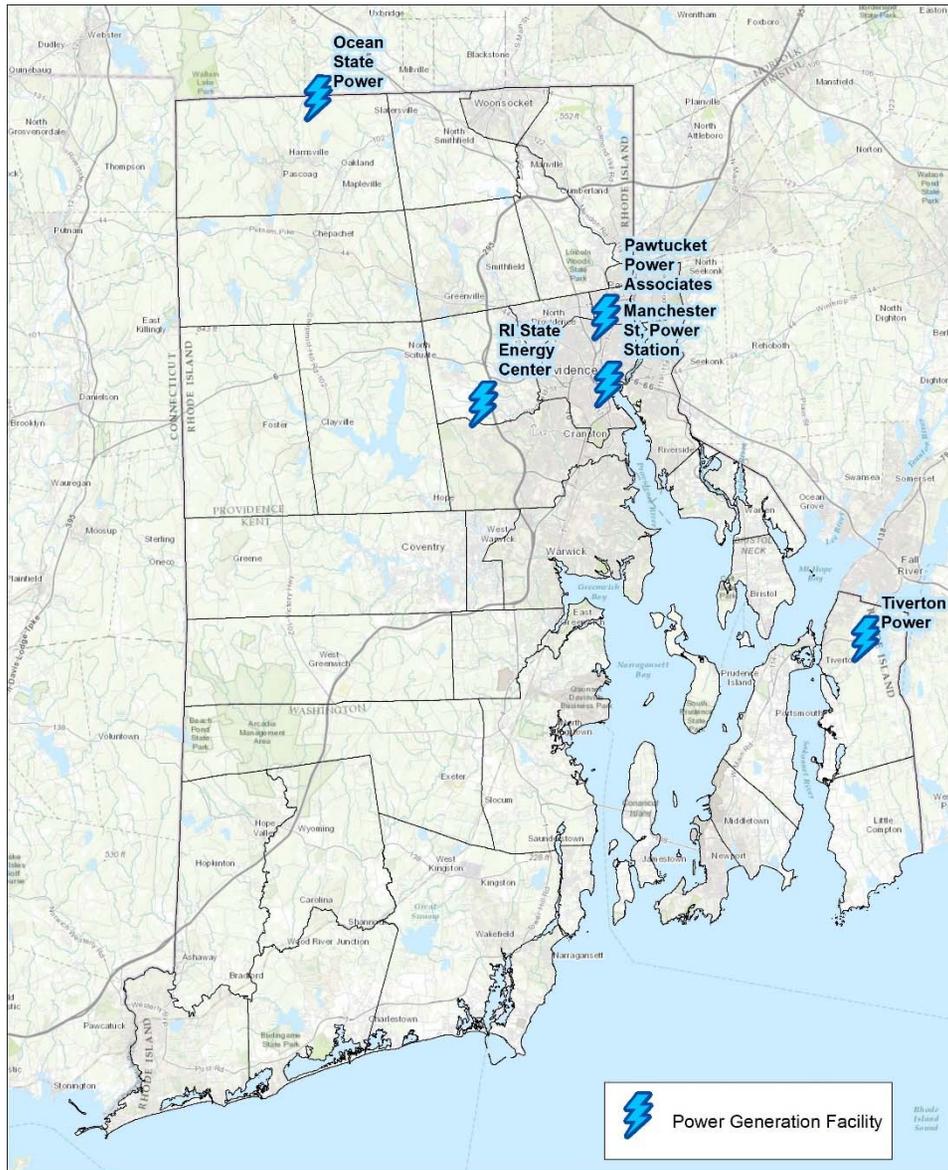
- Each power plant that is regulated in the program must hold an allowance for each ton of carbon dioxide they emit during the year.
- The total number of allowances available are capped (this is the means by which carbon dioxide emissions are limited) and allowances are auctioned in quarterly auctions. The proceeds from the auctions are returned to the participating states.
- Auction proceeds are invested in energy efficiency, renewables and other consumer benefit programs. The Office of Energy Resources develops plans annually for the distribution of RGGI proceeds.



Who are the regulated entities?

- Electric power generating units in RI subject to the RGGI program are:
 1. Ocean State Power
 2. Manchester Street Power Station
 3. Pawtucket Power Associates
 4. Tiverton Power
 5. Rhode Island State Energy Center
- The same group of sources are subject to EPA's Clean Power Plan





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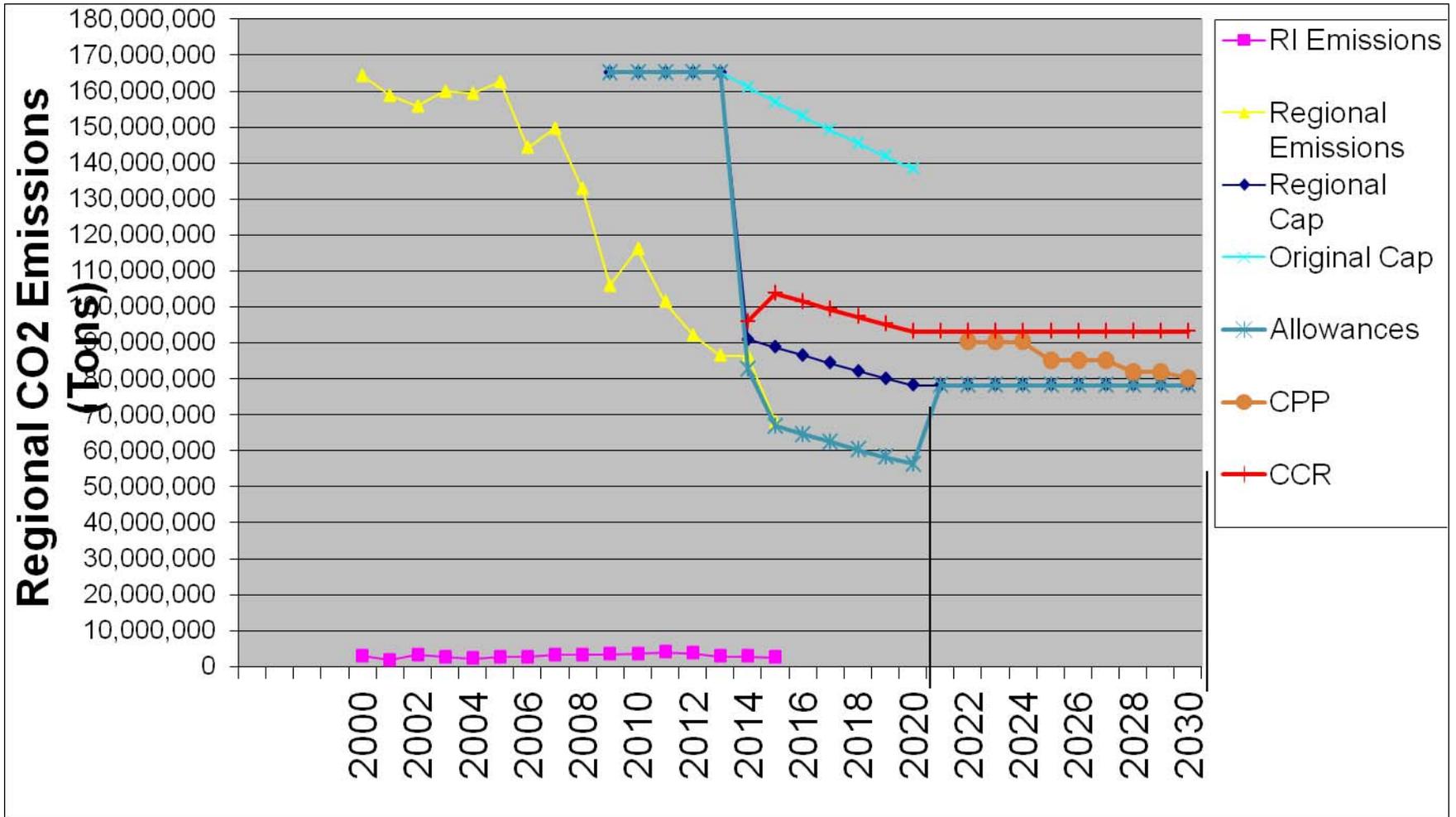
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Will RGGI be sufficient?

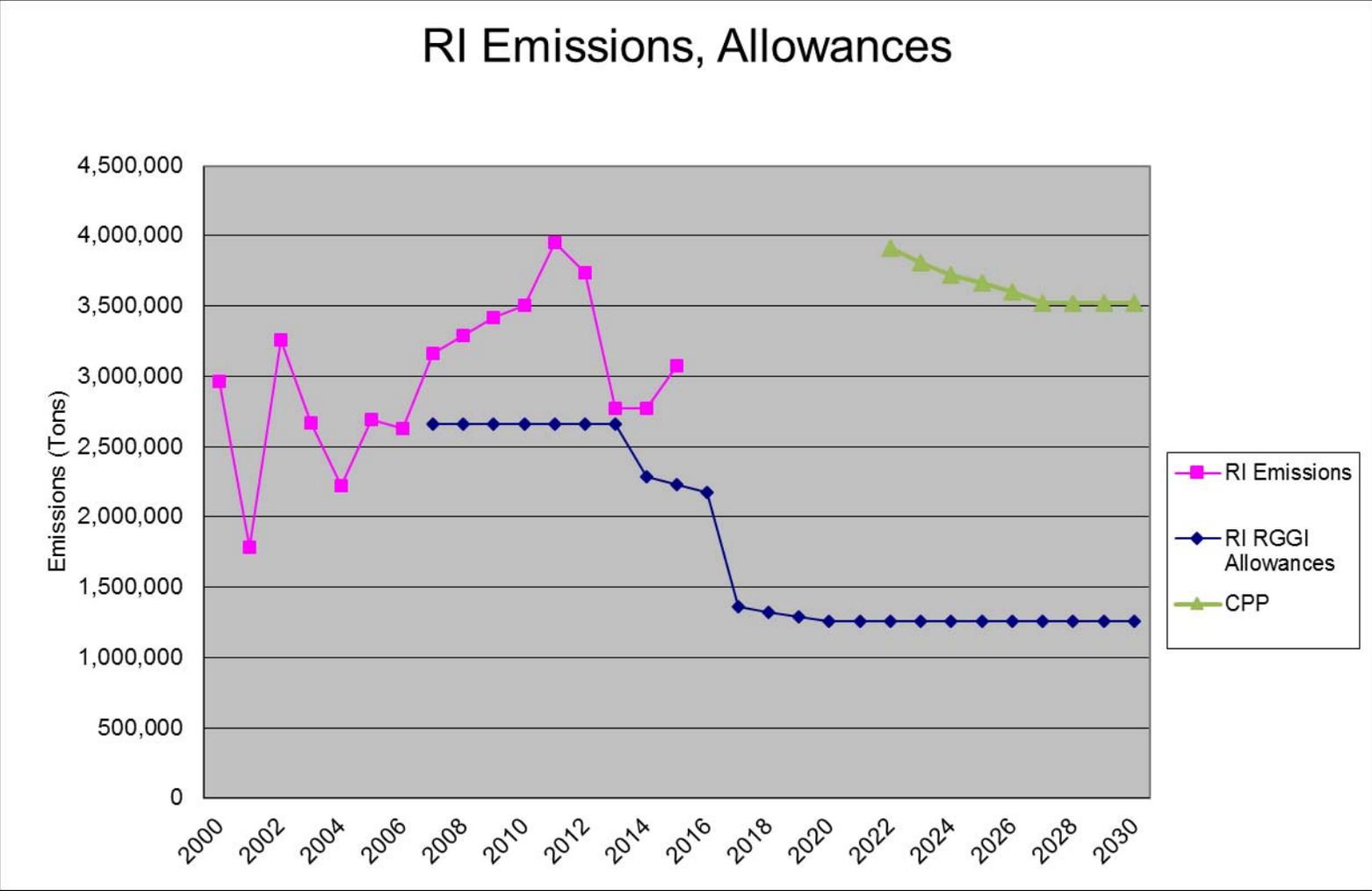
- RGGI is a mass based program (tons emitted per year)
- The RGGI program cap is set out to 2020. The cap in 2020 is 78,175,215 tons.
- The sum of the mass based final goals (2030) for the nine RGGI states is 78,956,898 tons.
- There are elements of the current program that do allow for additional allowances to be added, thereby increasing the cap that will need to be addressed.
- The RGGI states are well-positioned to achieve compliance with the Clean Power Plan.



RGGI Emissions, Caps, Goals



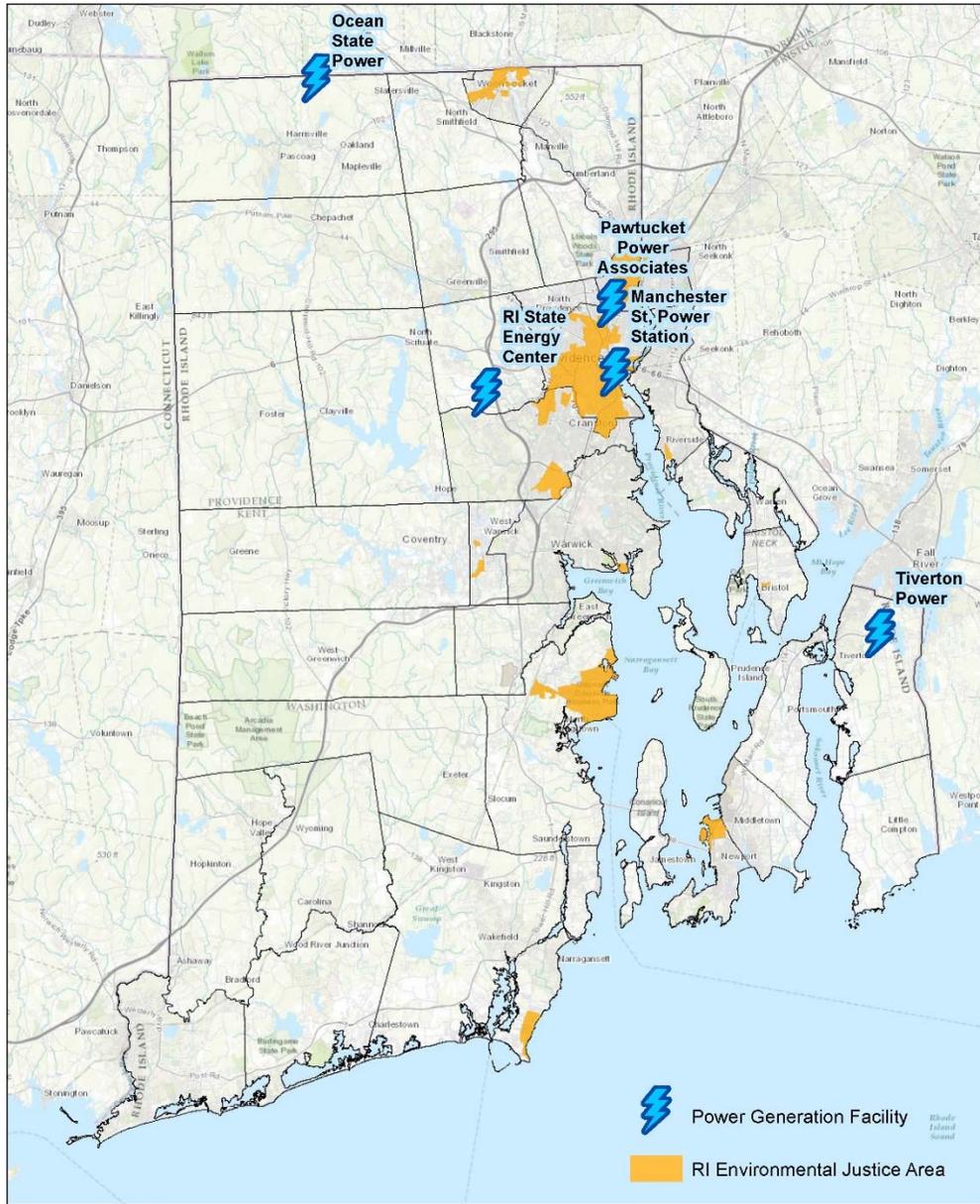
RI Emissions, Allowances, Goals



Outstanding Policy Decisions

- CPP Plan Approach
 - State or Multi-State
 - Choose from options
- Offsets, CCR
- CEIP (Clean Energy Incentive Program)
 - Credit for Early (2020-2021) action EE and RE
 - Demand-side EE in Vulnerable Communities
- RGGI 2016 Program Review issues
- RIDEM Website – Clean Power Plan
www.dem.ri.gov/climate/clean.htm





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Questions?

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RIDEM Website – Clean Power Plan

www.dem.ri.gov/climate/clean.htm

