



THE CLEAN POWER PLAN

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#ActOnClimate #CleanPowerPlan

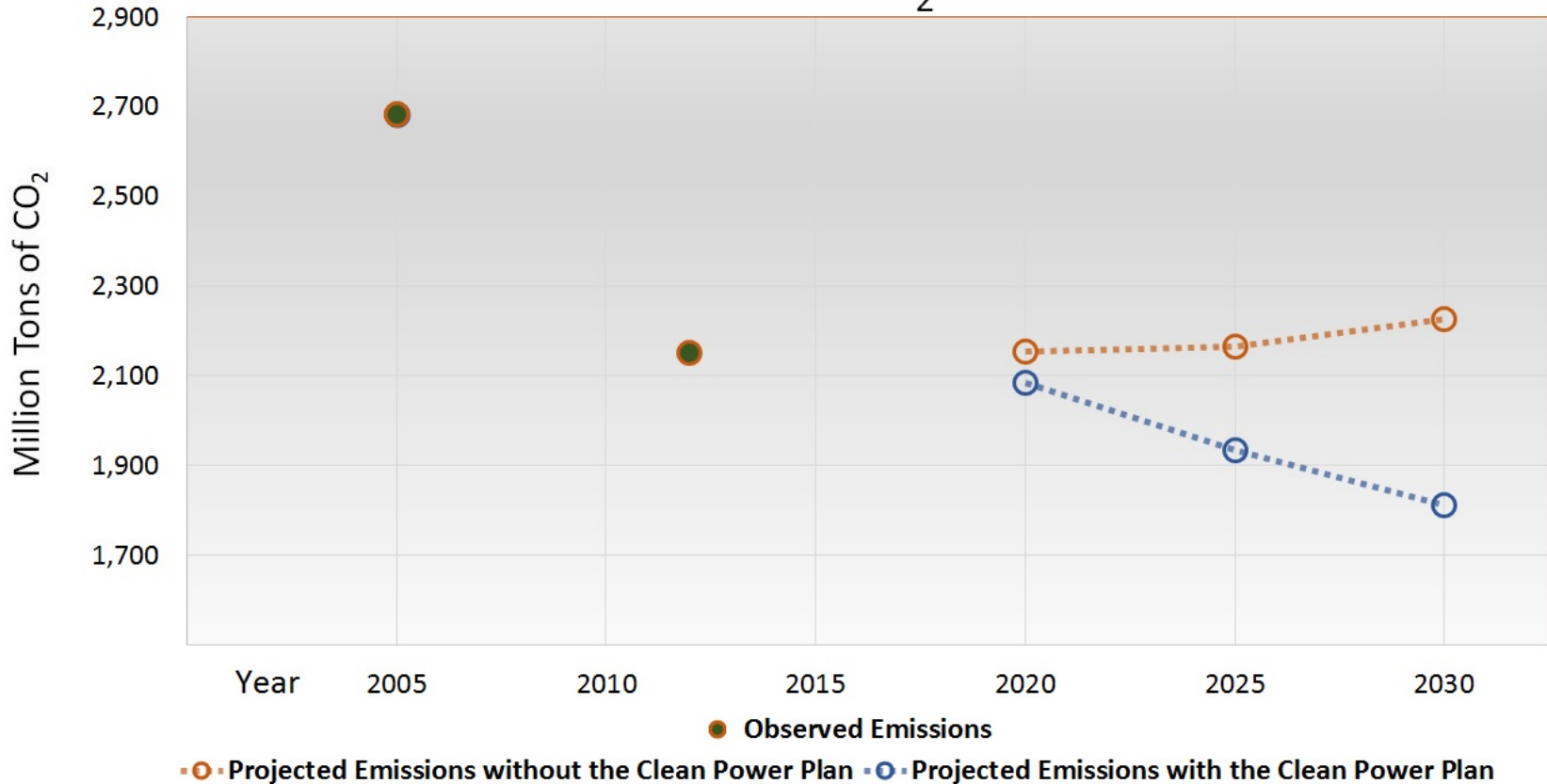
Electricity Advisory Committee Meeting

September 30, 2015



Transition to Clean Energy is Happening Faster than Anticipated

Power Sector CO₂ Emissions



- Carbon and air pollution emissions are already decreasing.
- The Clean Power Plan accelerates this momentum.
- When the Clean Power Plan is fully implemented, by 2030, carbon pollution from the power sector will be 32 percent below 2005 levels.

Clean Power Plan Timeline





Two State Plan Designs

States can choose a plan type:

Emission Standards Plan – state places federally enforceable emission standards on affected electric generating units (EGUs) that fully meet the emission guidelines

State Measures Plan – state includes, at least in part, measures implemented by the state that are not included as federally enforceable emission standards, along with backstop measures that would be federally enforceable if they are needed



Many CO₂ Reduction Opportunities

- Heat rate improvements
- Fuel switching to lower carbon content fuel
- Integration of renewable energy into EGU operations
- Combined heat and power
- Qualified biomass co-firing and repowering
- Renewable energy (new & capacity uprates)
 - Wind, solar, hydro
- Nuclear generation (new & capacity uprates)
- Demand-side energy efficiency programs and policies
- Demand-side management measures
- Electricity transmission and distribution improvements
- Carbon capture and utilization for existing sources
- Carbon capture and sequestration for existing sources