

PJM Clean Power Plan Analysis



Long-Term Analysis

20-year Economic Entry/Exit

- Long-Term Emissions Constraints
- Limited Transmission Constraints

- Reliability Analysis
- Reactive Analysis
- Limited Transmission Screening

Phase 2:

Medium-Term Analysis

Develop emissions shadow prices/quantities with assumed retirements and new entrants.

More detailed transmission, generation and load modeling

Phase 3:

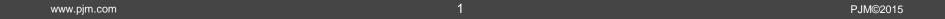
Short-Term Analysis

Solve hourly chronological Energy Market model with full transmission constraints, emissions and reserve and energy constraints

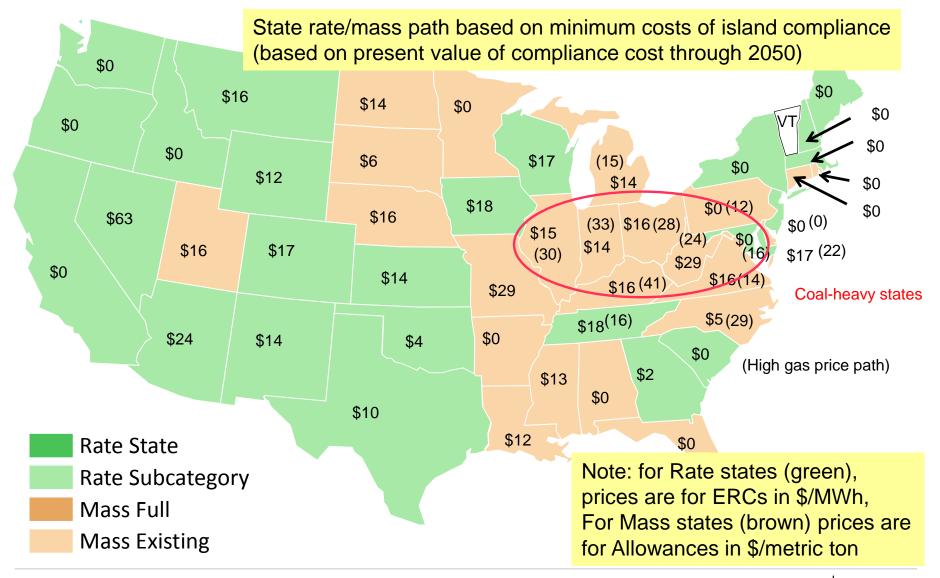
More detailed reliability evaluation as needed

Medium and Short-Term Analysis

- Will initially be studied for 2023, 2026, 2028 and 2030
- Rate and Mass Based Compliance Scenarios
- Interstate and Intra-state Trading

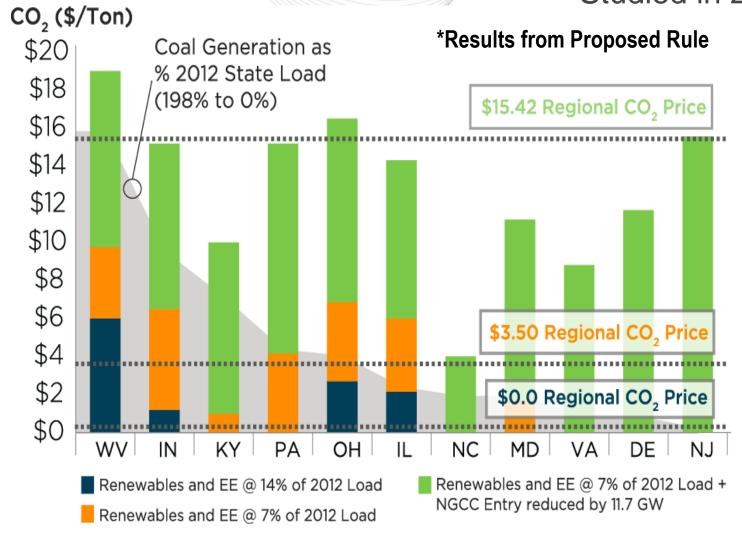


Emission Rate Credit (ERC)/Allowance Prices for 2030 with Full Island Compliance (Low gas price path)





CO₂ Prices for Regional and State Compliance Studied in 2020



2030 Mix2 ERC/Allowance Pricing with Low Gas Prices

