



Paris, The Pope & The Clean Power Plan:

A Grid Operator's Perspective

15th IEA-IETA-EPRI Annual Workshop on
Greenhouse Gas Emission Trading

29-30 September 2015

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“Intended Nationally Determined Contribution”

U.S. Pledge: Greenhouse gas emissions 25-28% below 2005 levels by 2025

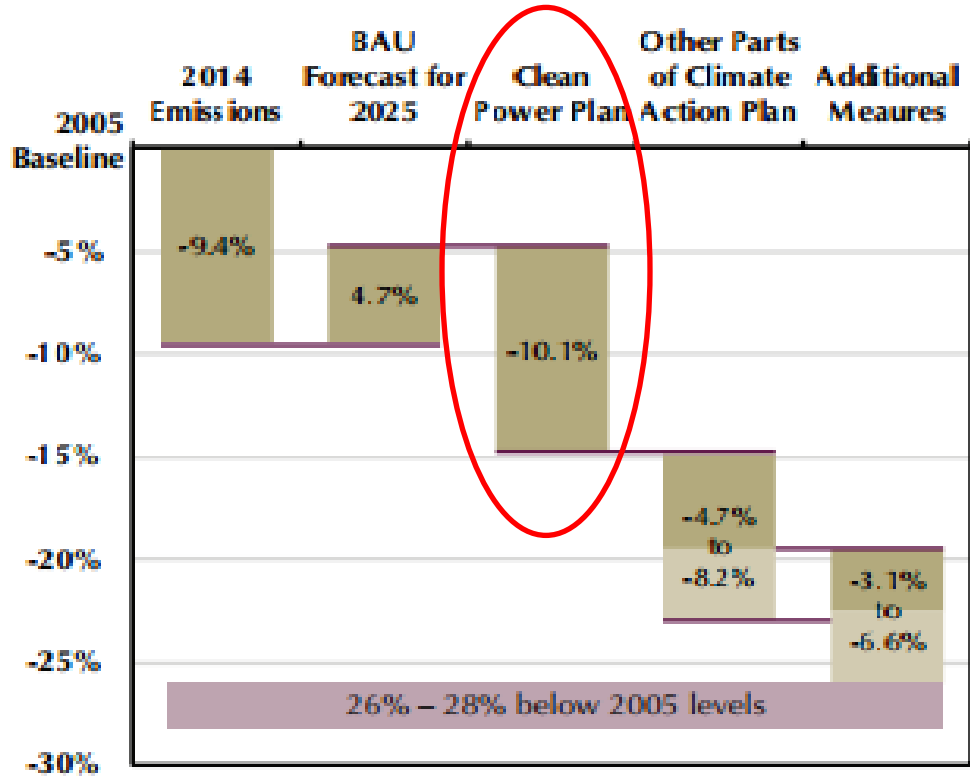
“Climate change is a global problem with grave implications...”



- ❖ *ENCYCLICAL LETTER
LAUDATO SI'
OF THE HOLY FATHER
FRANCIS
ON CARE FOR OUR COMMON HOME*

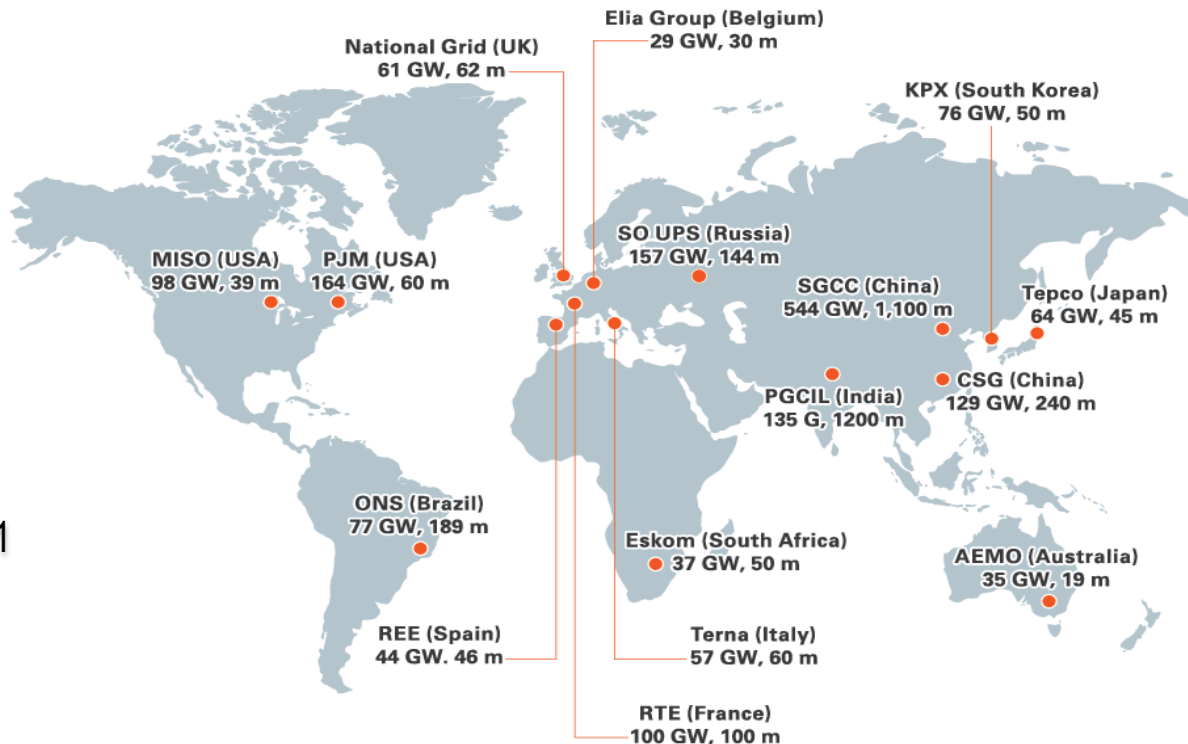
"Mr. President, I find it encouraging that you are proposing an initiative for reducing air pollution."

- ❖ *Comments at White House, September 24, 2015*

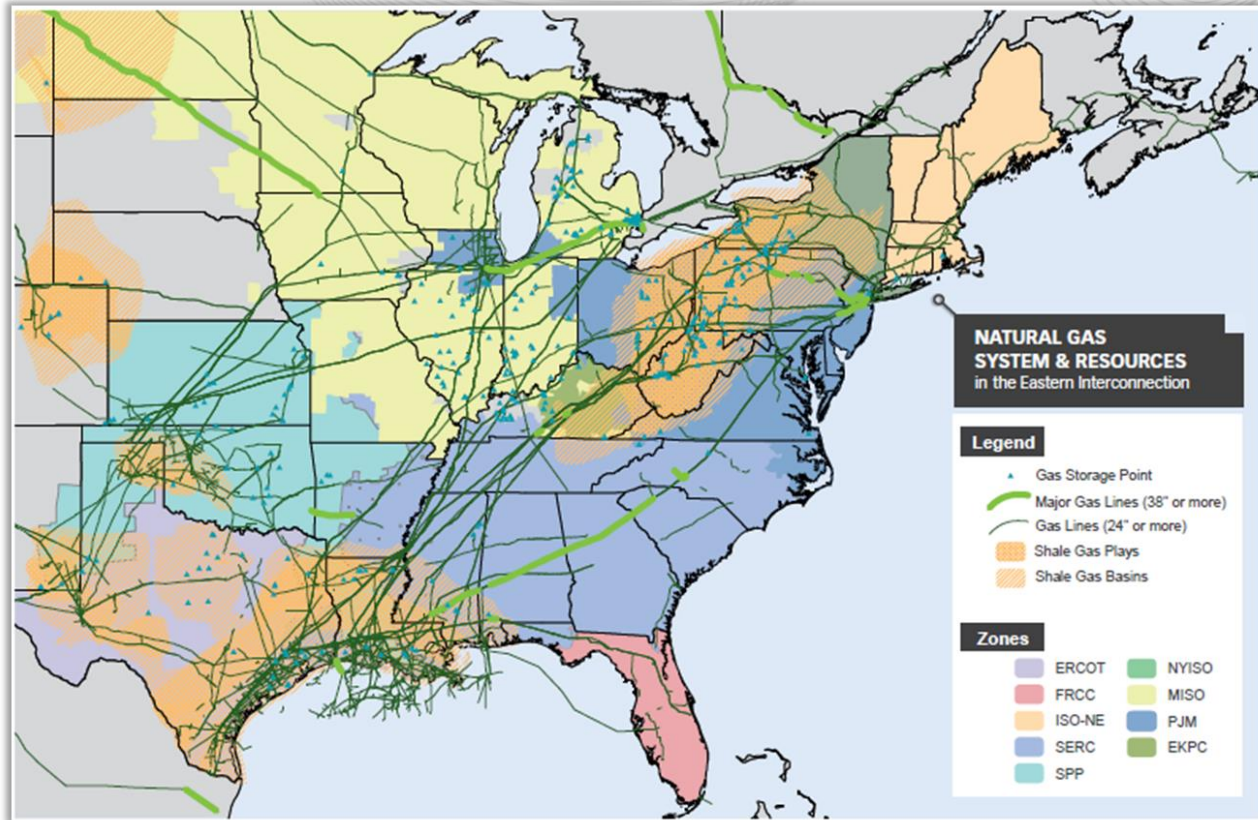


PJM KEY STATISTICS

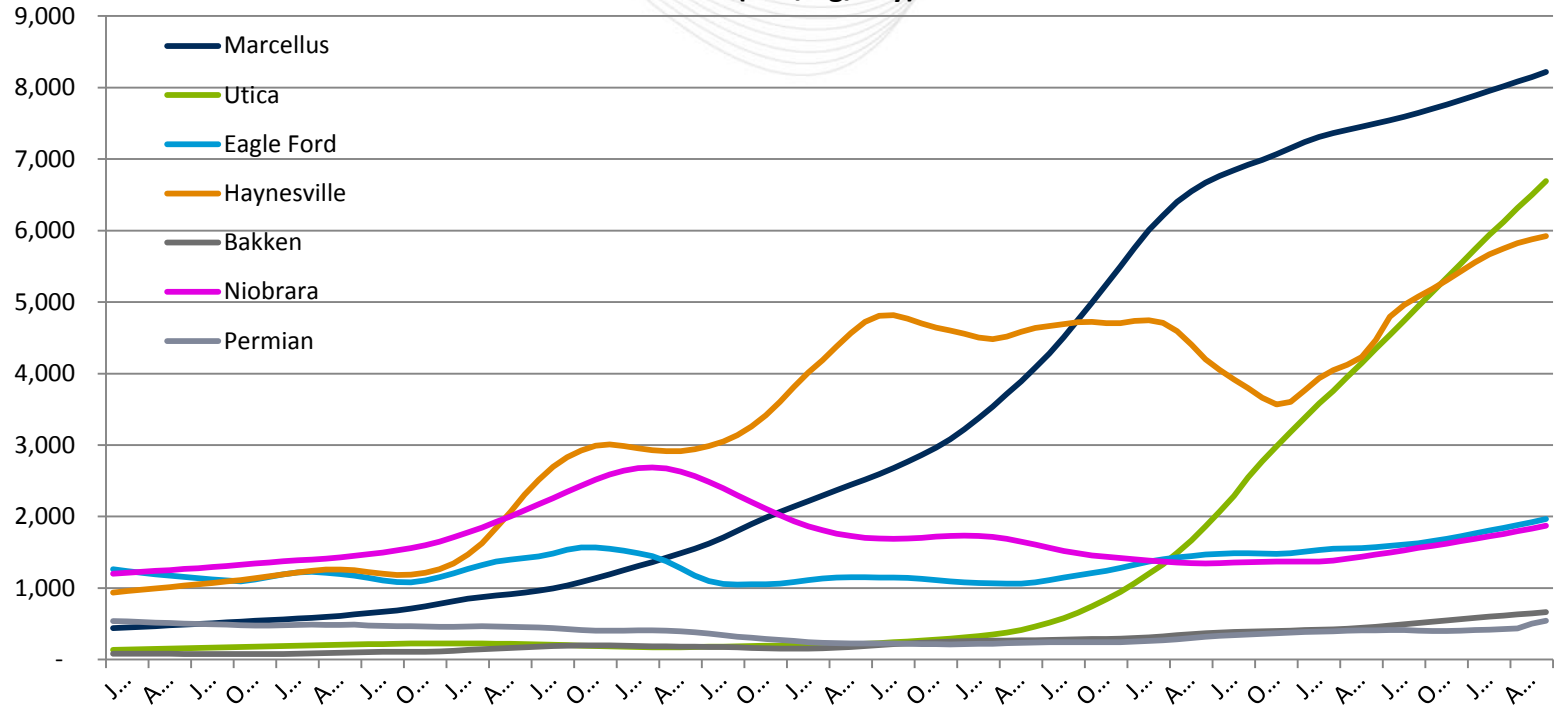
Member companies: 925+
 People Served: 61 Million
 Peak load in megawatts: 165,492
 MWs of generating capacity: 183,604
 Miles of transmission lines: 62,556
 2014 GWh of annual energy: 797,461
 Generation sources: 1,376
 Square miles of territory: 243,417
 States served: 13 + DC

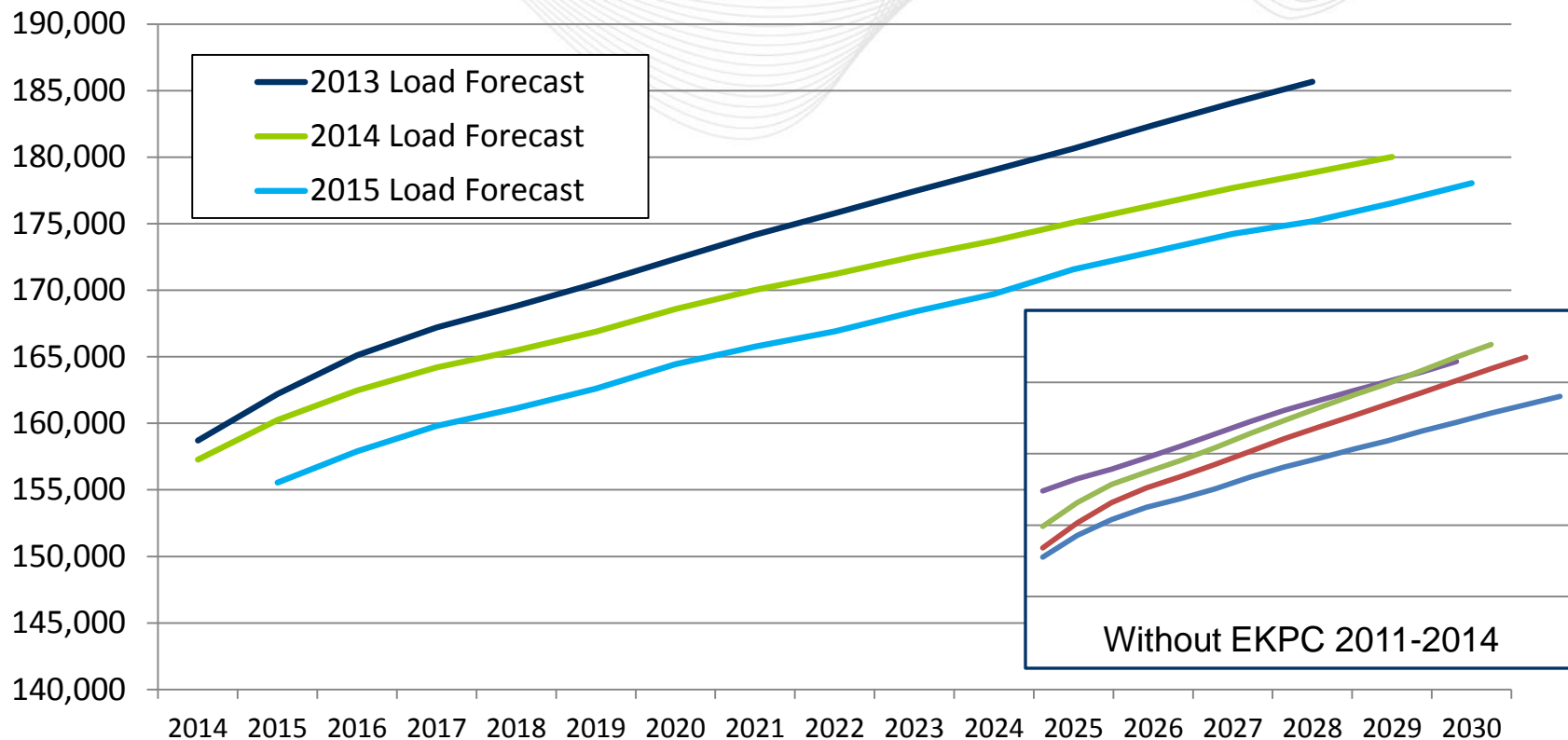


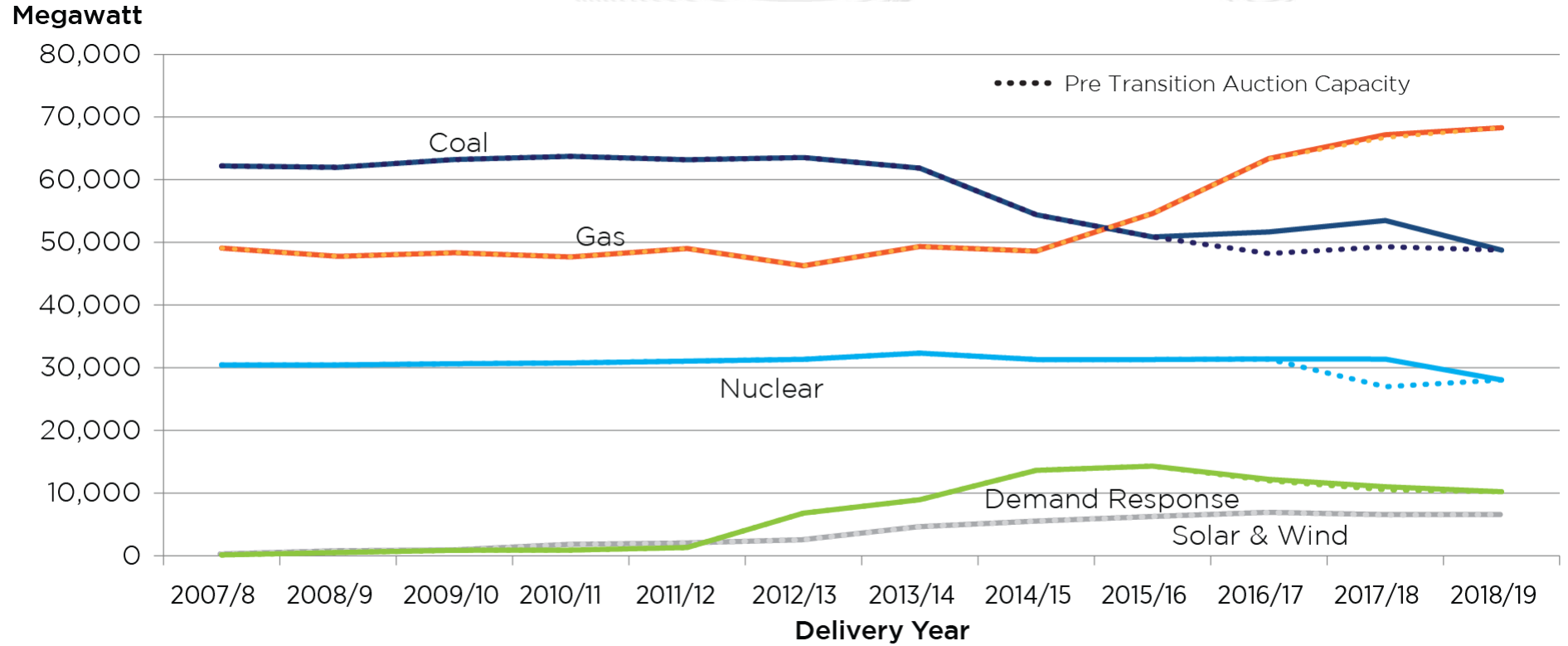
Information for each member refers to peak load and customers served | Source: GO15



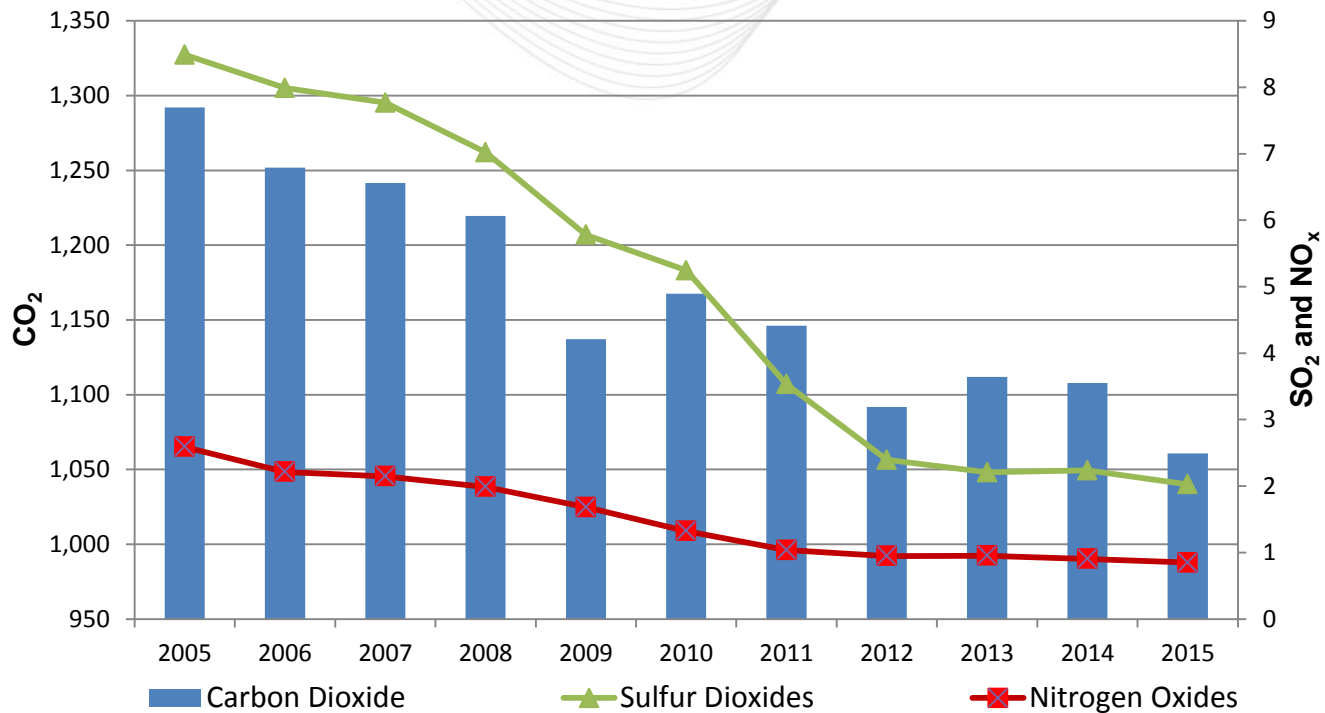
Rig Productivity (mcf/rig/day)



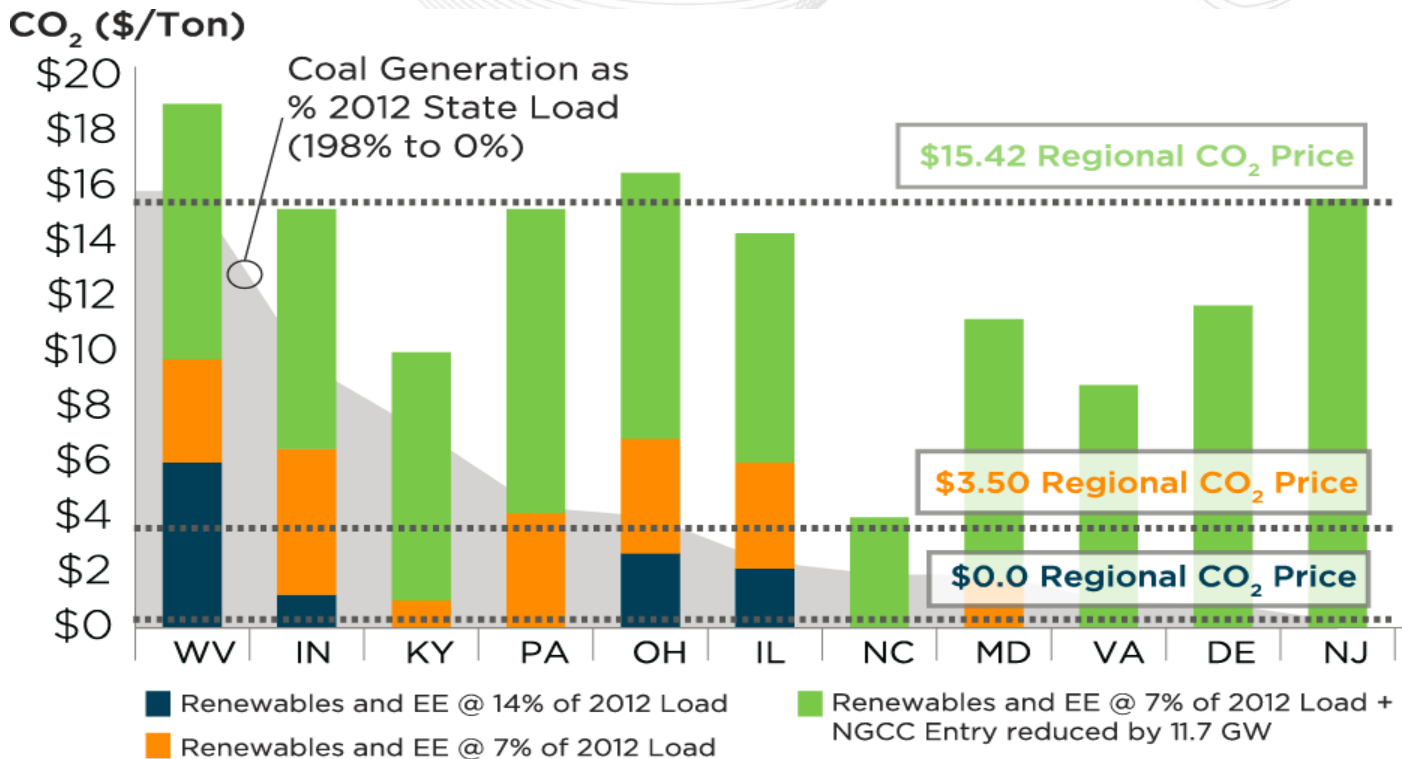


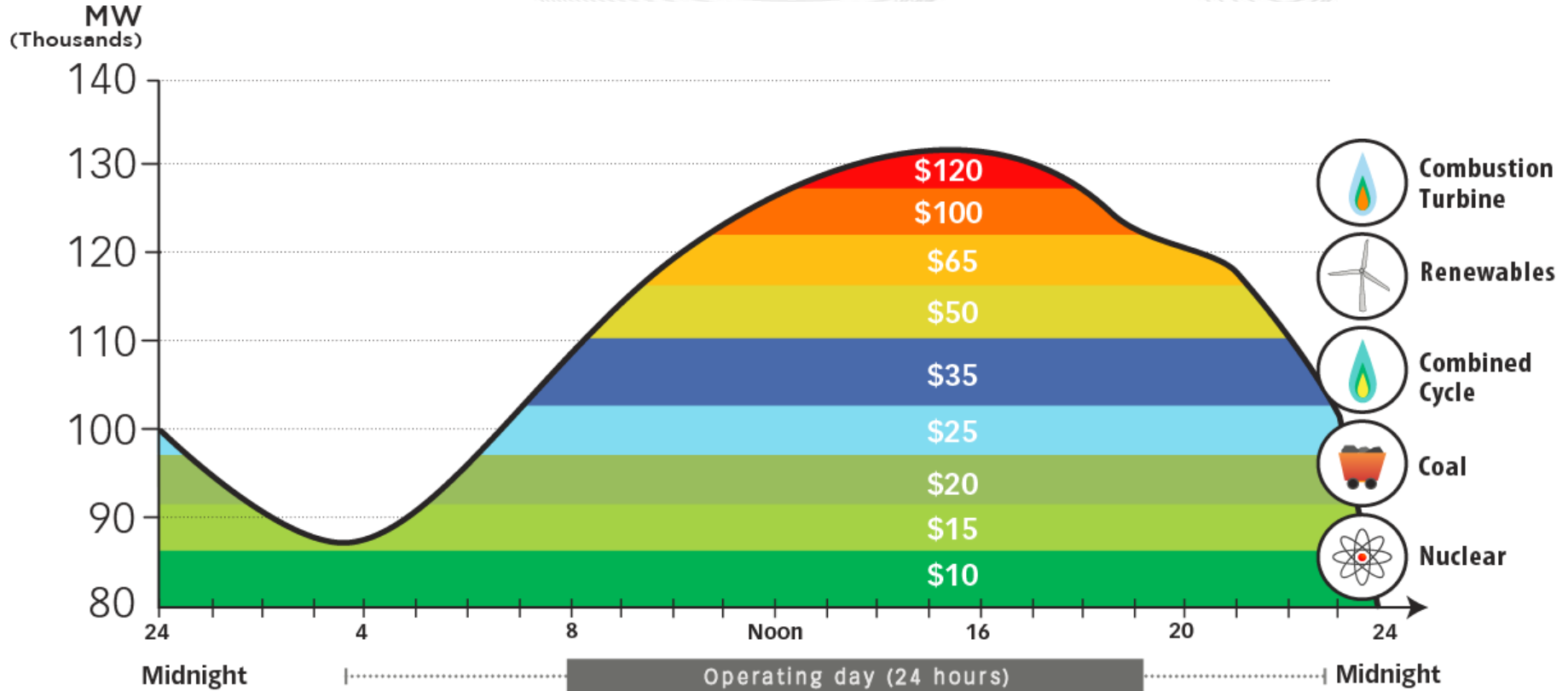


PJM Average Emissions (lbs/MWh)



Analysis of Proposed Rule: Regional and State Compliance Vary





- Interim compliance period (2022-2029)
- Trading
- States consider reliability issues as part of plan submission
- Process for a state to revise its plan for reliability
- Reliability Safety Valve
 - State must get EPA approval
 - 90 days (emissions excluded from CPP)
 - Extensions possible (emissions included)

