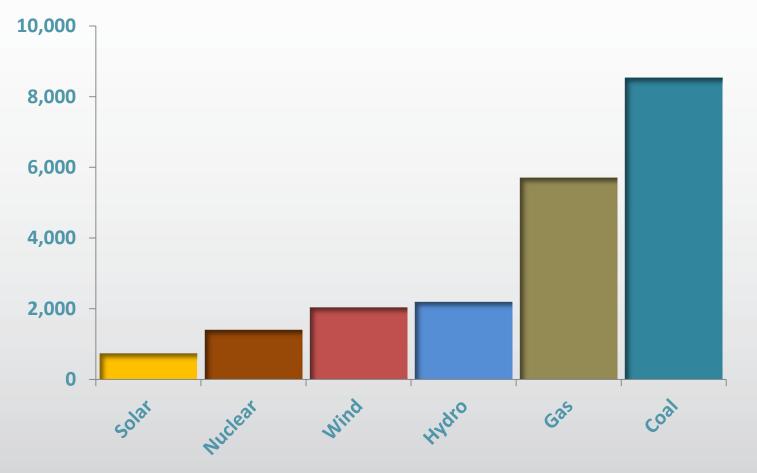
USEA 11th Annual State of the Energy Industry Forum

Hal Quinn President & CEO National Mining Association Washington, DC

January 21, 2015

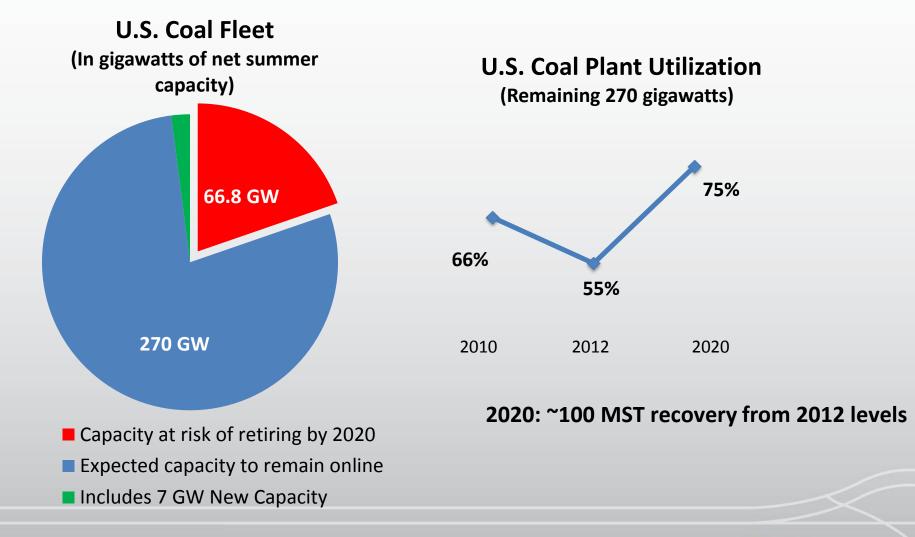


Fossil Fuels Will Supply Two-Thirds of World Incremental Power Generation: 2012-2040 (TWh)



Source: IEA, World Energy Outlook 2014 "Current Policies Forecast"

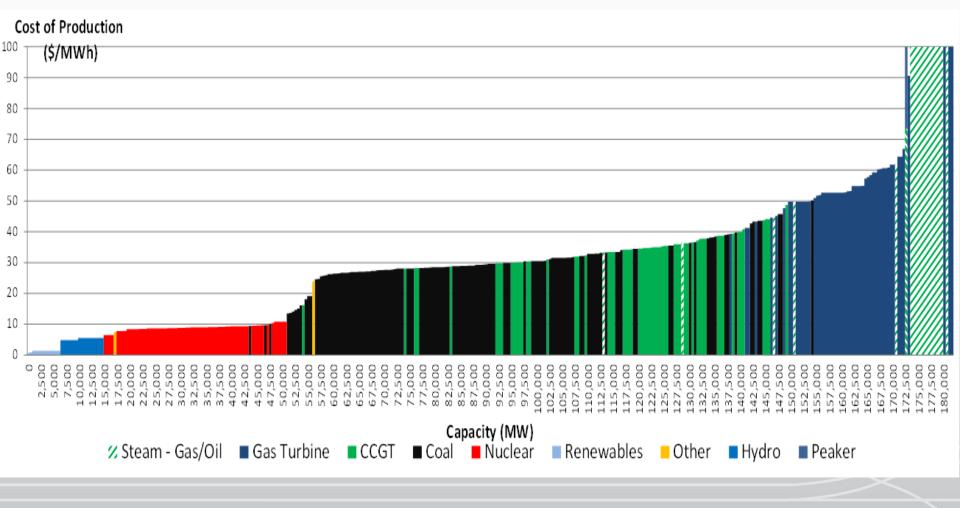
Higher Capacity Factors for Remaining Plants Offset Some Retirements





Costly Power Plan: Restacking the Dispatch Curve

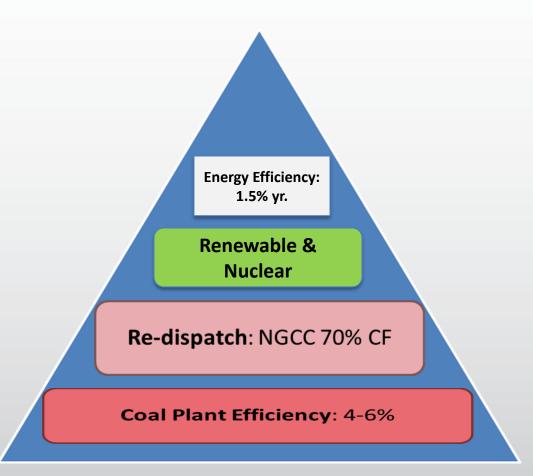
PJM Stack Forecast 2015





EPA Clean ('Costly') Power Plan

Targets Firm—Building Blocks Weak



Implausible Assumptions

- Low cost EE measures already in place; additional will be more difficult and expensive
- Renewable expansion exceeds all gov't projections and economic renewable potential in most states
- NGCC running at 70% CF exceeds historic avg.; infrastructure lags; additional pressure on NG prices
- Least efficient coal plants already retired; remaining plants operating at optimal efficiency; past rules will make plants less efficient due to retrofits.

