



Integrated Grid

Barbara Tyran Director, Washington & State Relations

Environmental Law Institute

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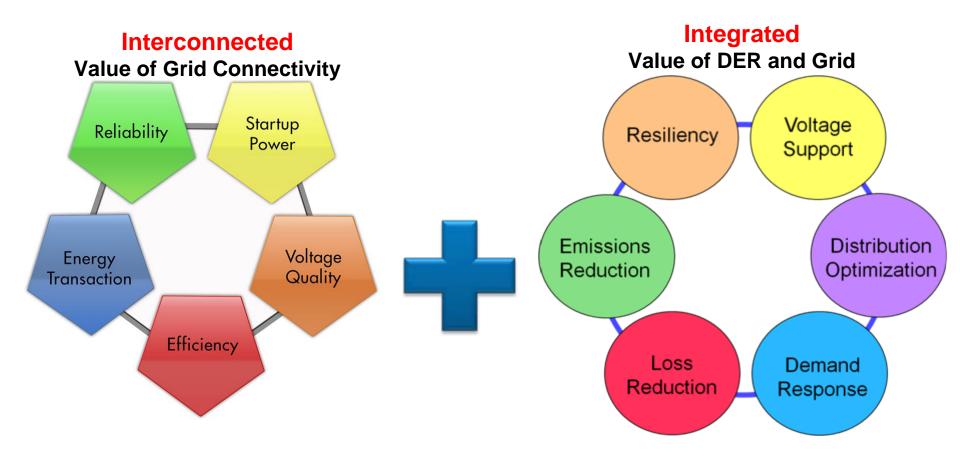
Electric Power Research Institute



Together...Shaping the Future of Electricity



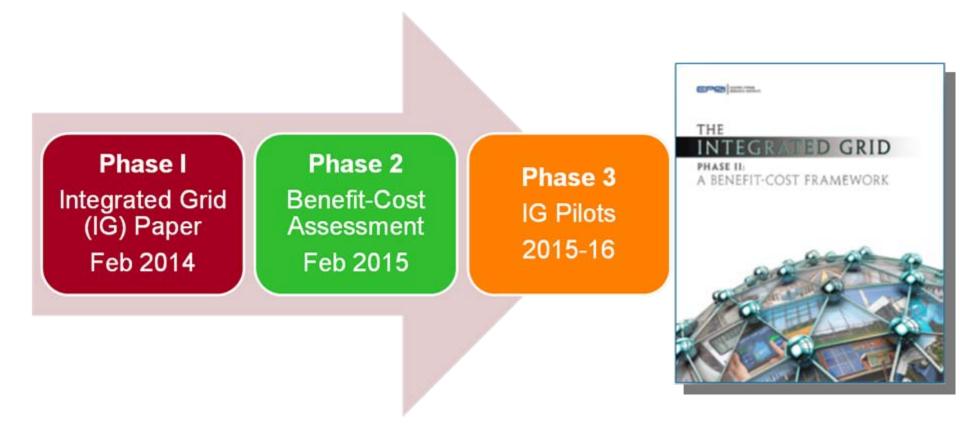
Interconnected but Not Integrated



Integration Enables Values of all Resources



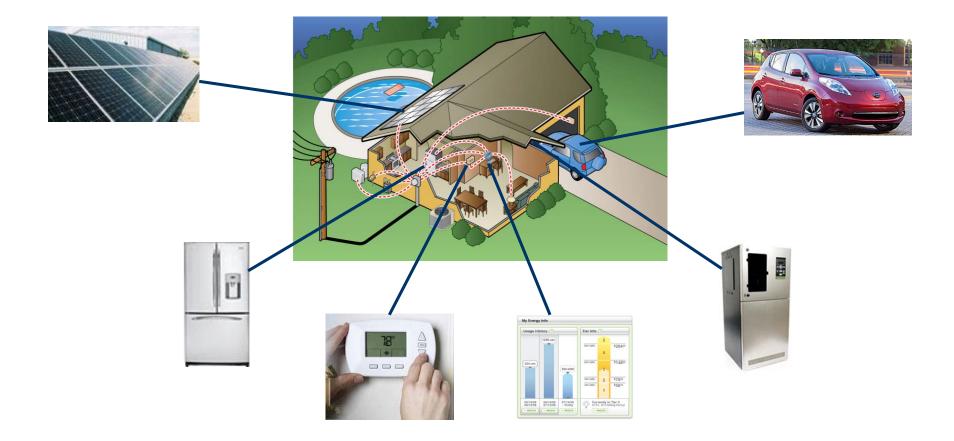
Integrated Grid...Timeline



Extensive Stakeholder Coordination in All Phases



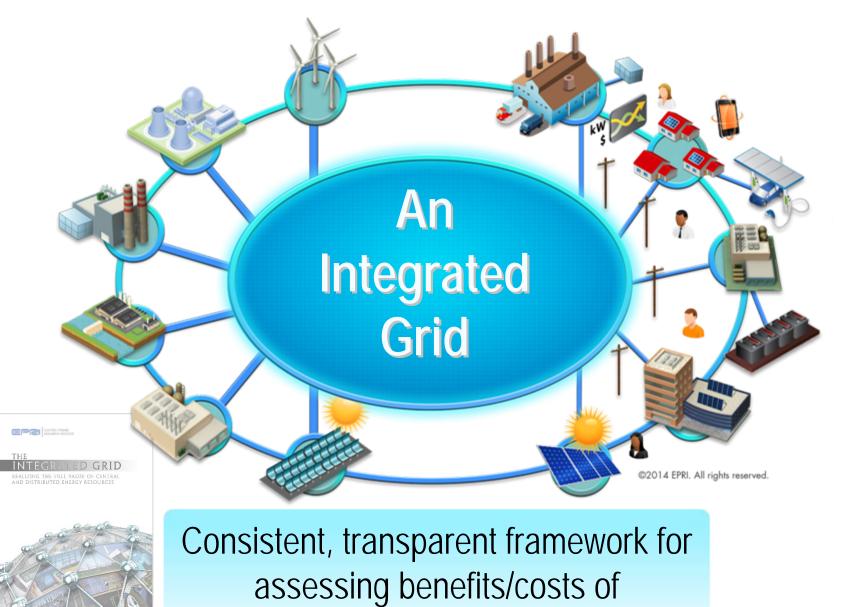
The Integrated Grid is About Enabling the Customer



The integrated grid allows Local Energy Optimization to become part of Global Energy Optimization.



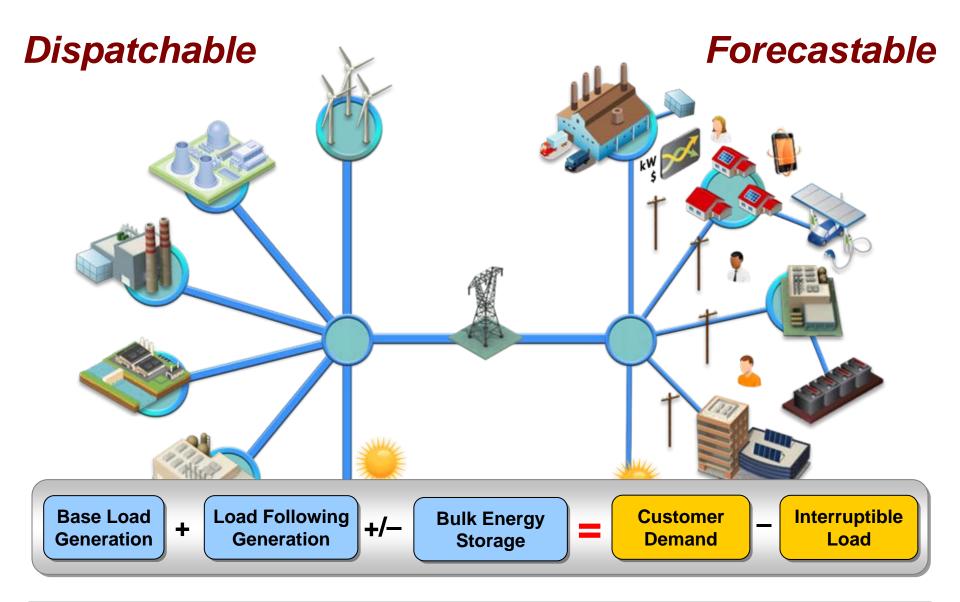
Integrated Approach



transitioning to an Integrated Grid.

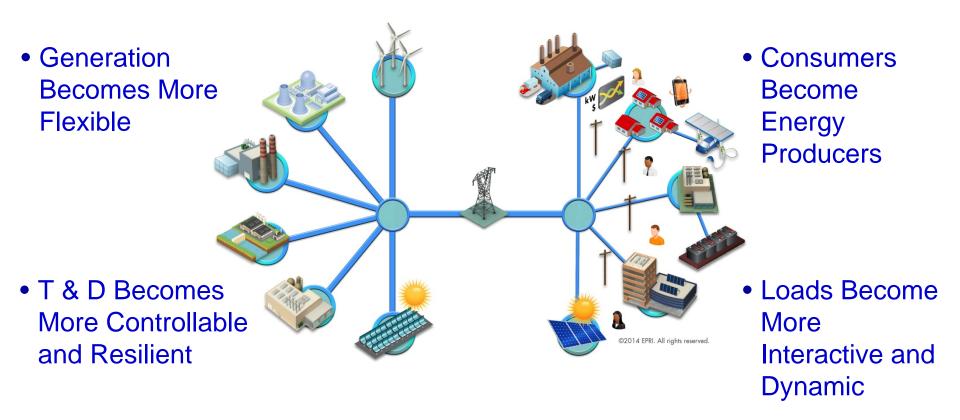


The Power System





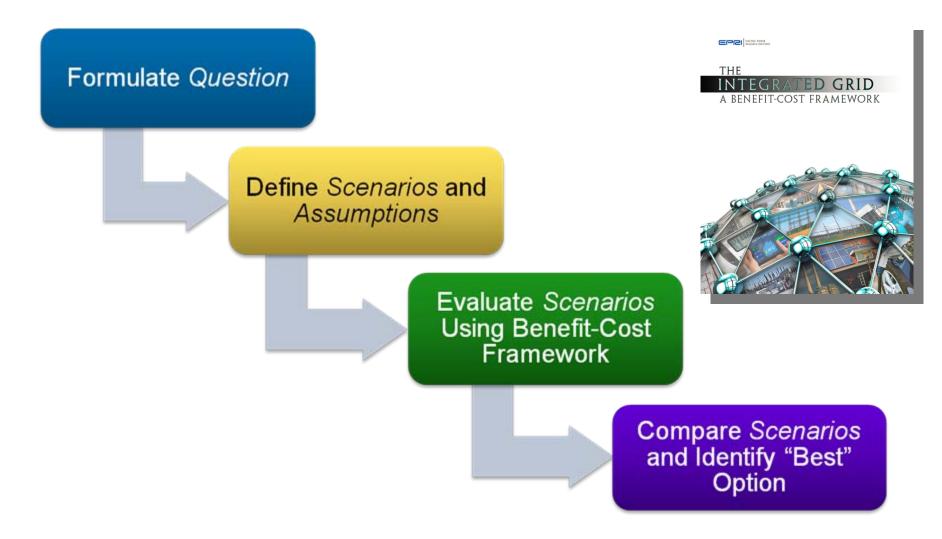
The Power System – Looking Forward



A More Dynamic End-to-End Power System



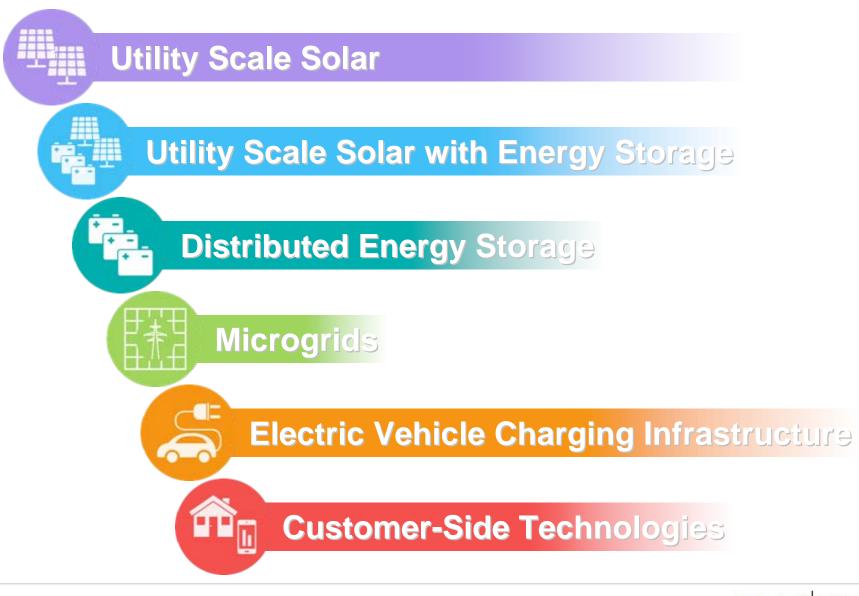
Steps to Apply Benefit-Cost Framework





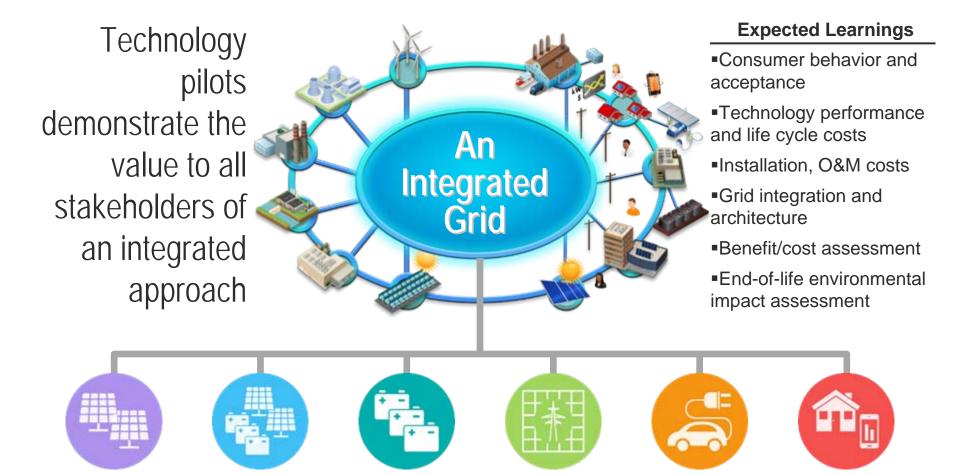
Putting IG Framework to the Test

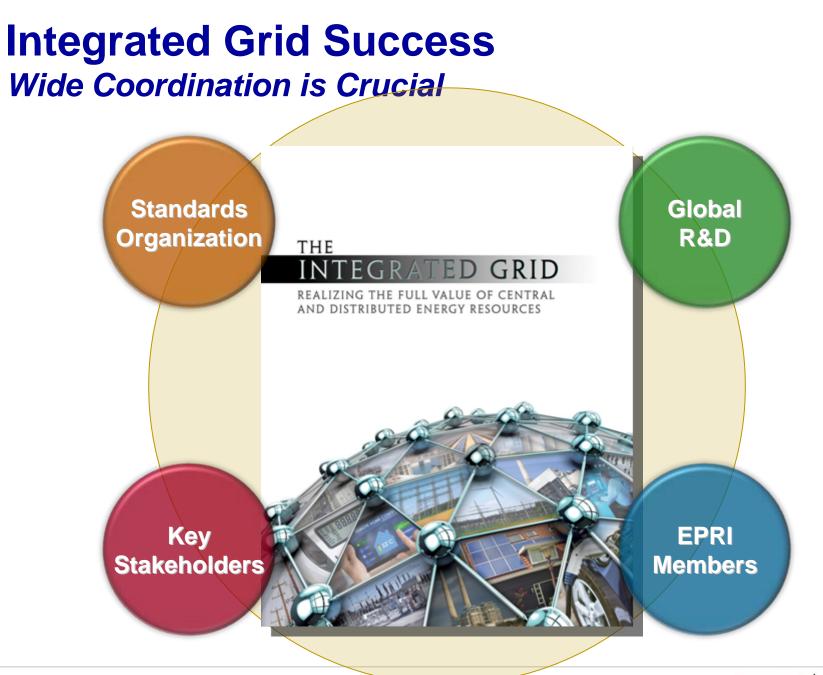
Demonstration Pilots



RESEARCH INSTITUTE

Outcome of Integrated Grid Technology Pilots







Integrated Grid - 2015 Outreach

NATIONAL: State of the Energy Industry Forum, EEI CEO Board, APPA, Center for Public Utilities Conference, IBEW, DOE EIA Energy Conference, US Senate Energy & Natural Resources Committee

NARUC: Electricity and Energy Resources/Environment Committees 5 Regional Conferences, Nationwide Webinars

AND OF REGULATORY CITILITY AND OF REGULATORY CIT

INTERNATIONAL:

CAMPUT, World Forum on Energy Regulation, Global Sustainable Electricity Partnership







2015 State Engagement

- State Utility Commissions: North Carolina, Wisconsin
- NASUCA Energy Committee
- NASEO / ASERTTI Annual Meeting
- National Governors Association Best Practices
- Energy Council
- Council of State Governments





NATIONAL CONFERENCE of STATE LEGISLATURES

The Forum for America's Ideas



of State Energy Officials

ENERGY'S WASHINGTON VOICE





UN Climate Summit





DOE Quadrennial Energy Review





New Source Performance Standards– CO2

Greenhouse Gas Emissions NSPS

- Section 111 (b): New Sources
 – proposed 4/12 re-proposed: 9/20/13; draft rule: 1/9/14
- Section 111 (d): Existing Sources: June 2014
- Federal Implementation Plan



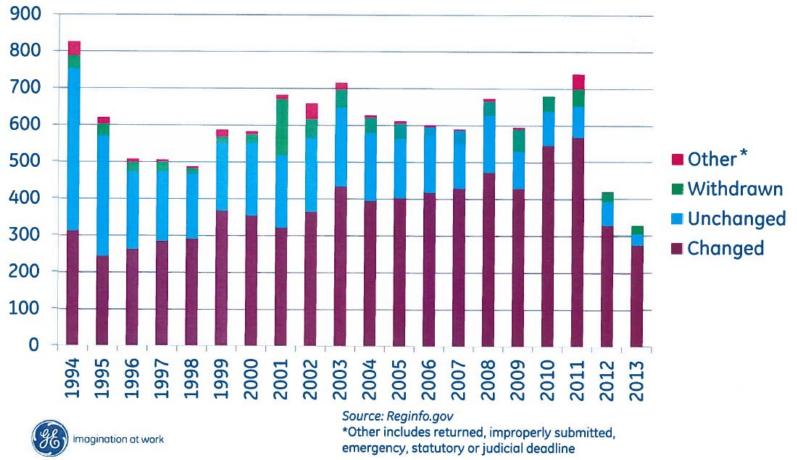




Office of Information & Regulatory Affairs

OIRA Actions by Calendar Year

Number of "changed" rules increasing over time





114th Congress

1st Session

- 54 Republican 46 Democrat (incl. 2 Independents)
- 245 Republican 188 Democrat (two vacancies)
- Largest Republican Congressional majority since 1929

Energy

✓ Comprehensive Energy Policy

Tax

✓ Energy Tax Credits







Together...Shaping the Future of Electricity

For more information contact:

Barbara Tyran, btyran@epri.com

