

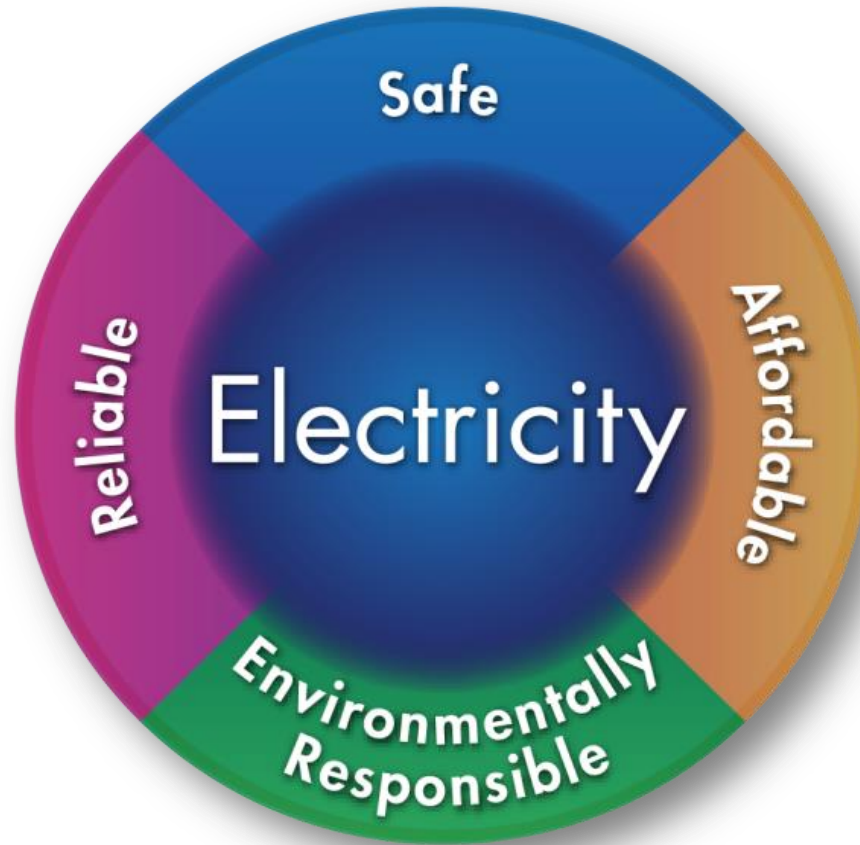
The Integrated Grid *A Transformation of the Power System*



Michael W. Howard, Ph.D., P.E.
President and CEO

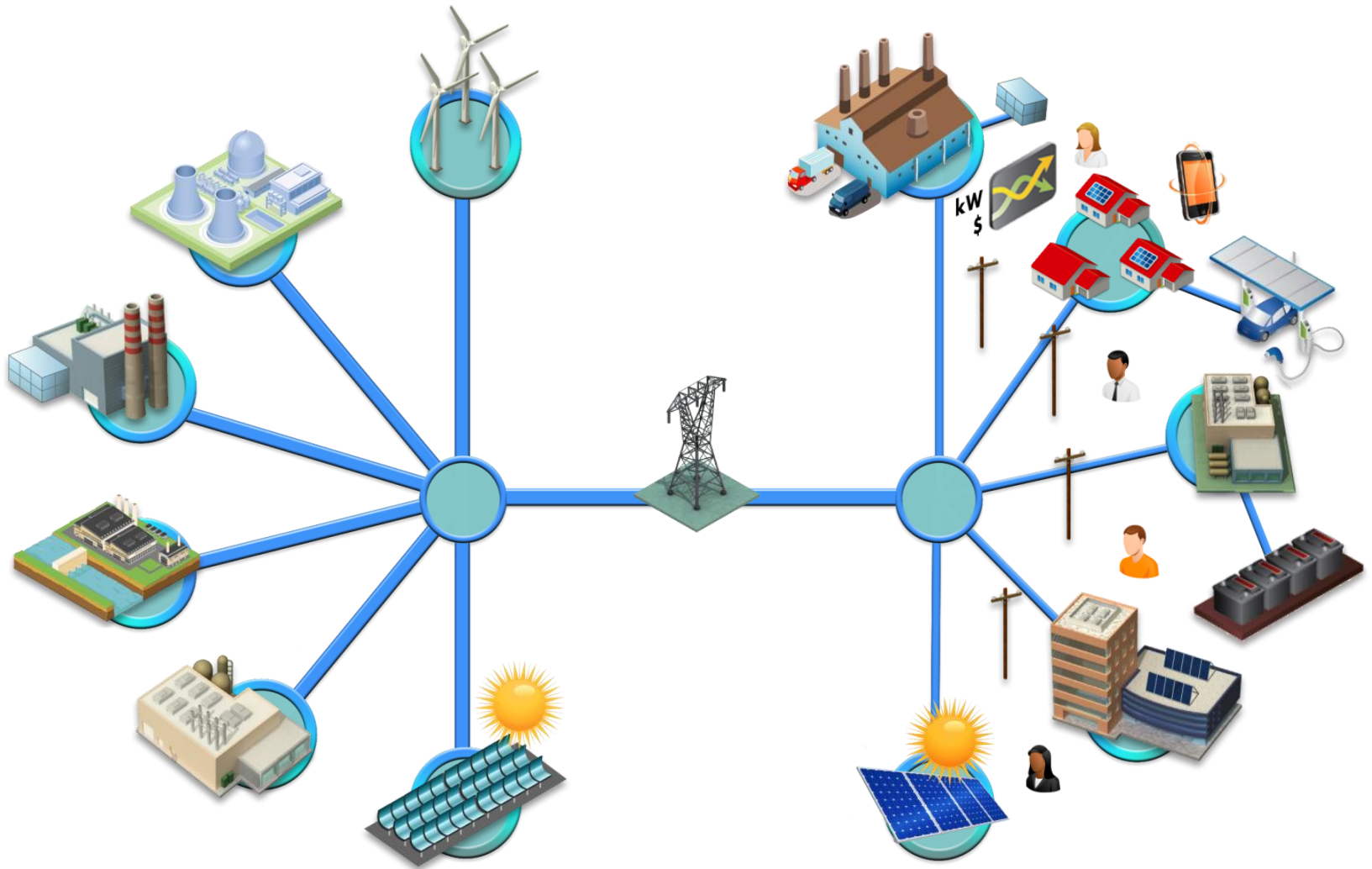
January 21, 2015

Electric Power Research Institute



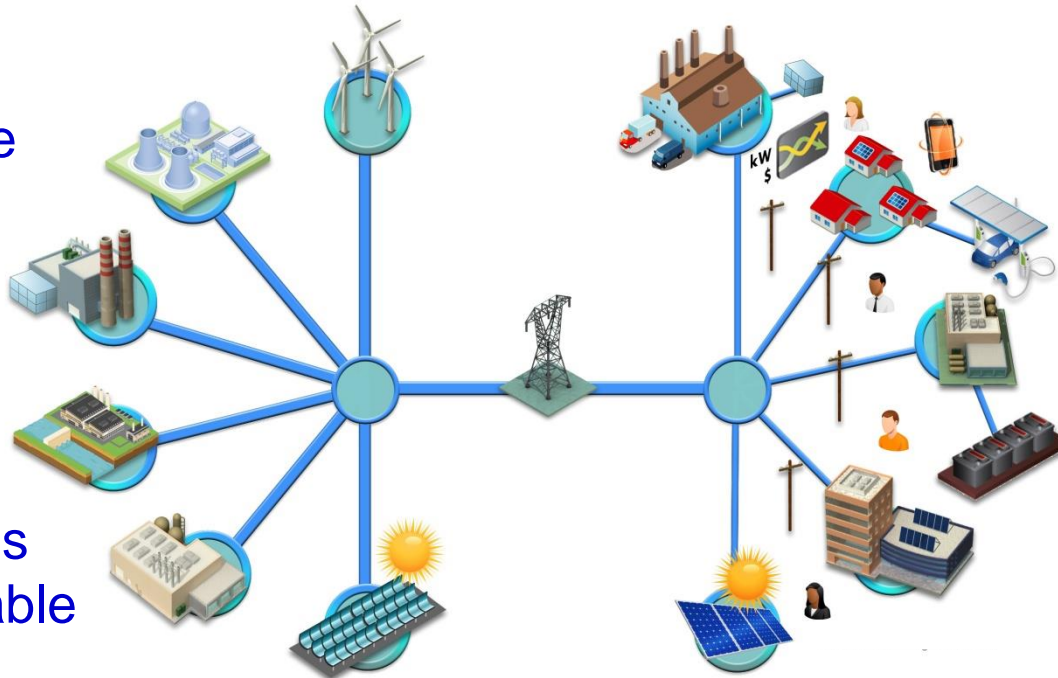
Together...Shaping the Future of Electricity

The Power System



The Power System – *Looking Forward*

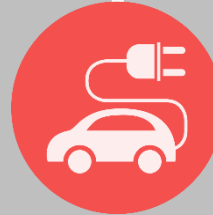
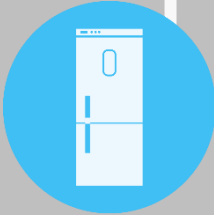
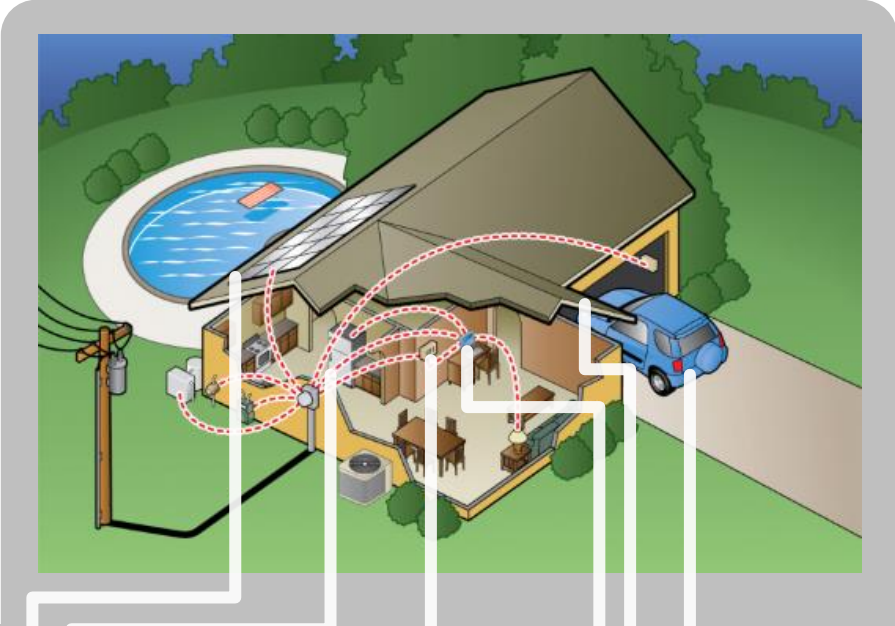
- Generation Becomes More Flexible
- T & D Becomes More Controllable and Resilient



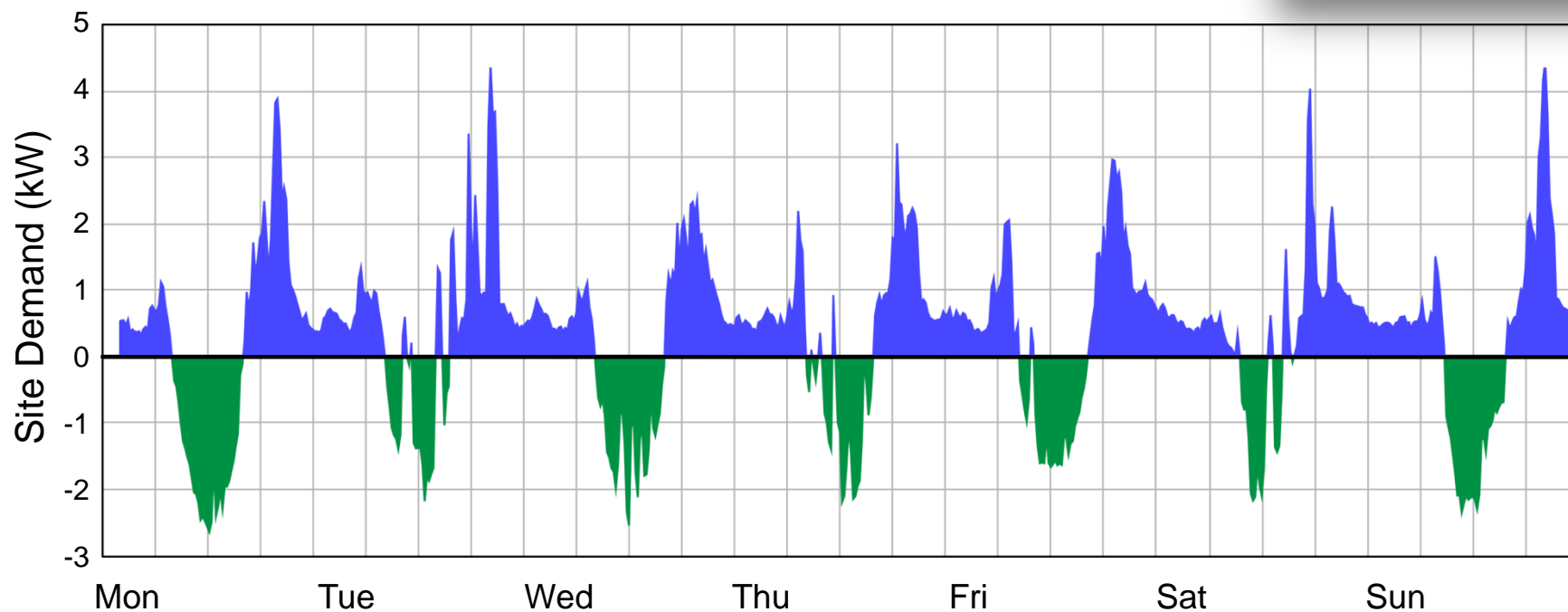
- Consumers Become Energy Producers
- Loads Become More Interactive and Dynamic

A More *Dynamic* End-to-End Power System

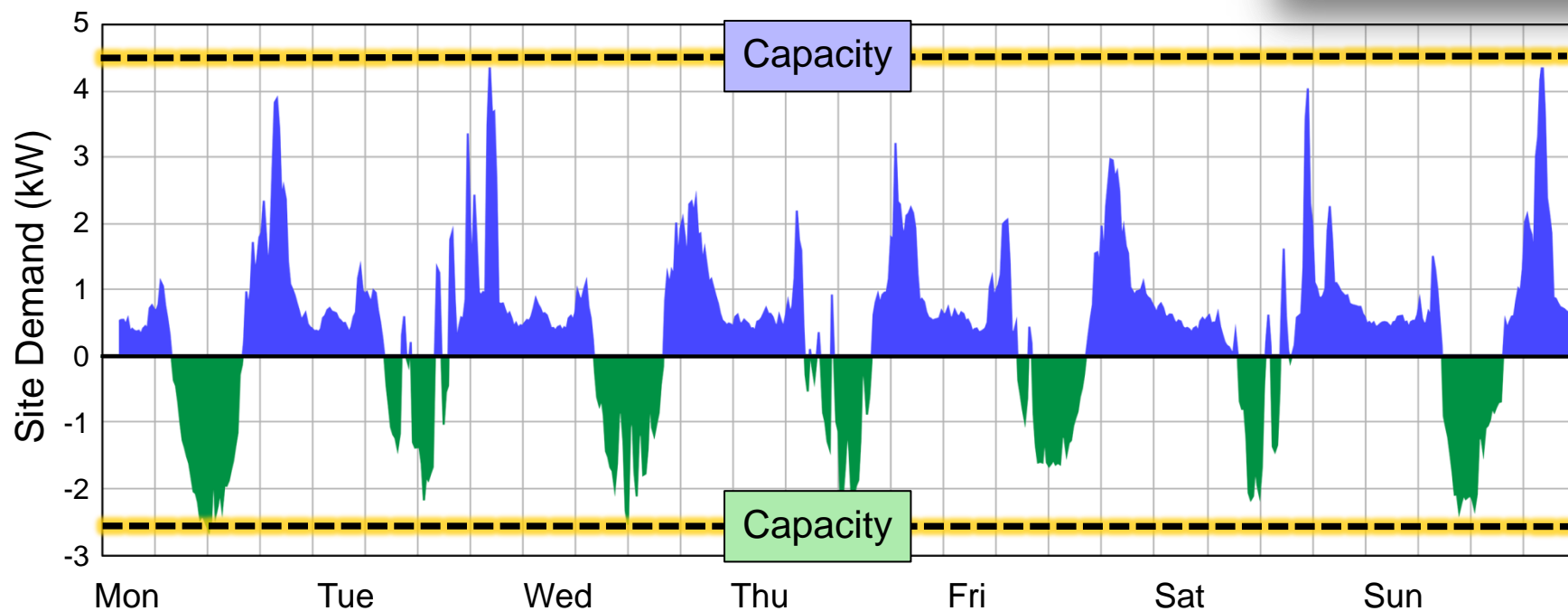
The Power System – *Looking Forward*



Example: Zero Energy Home

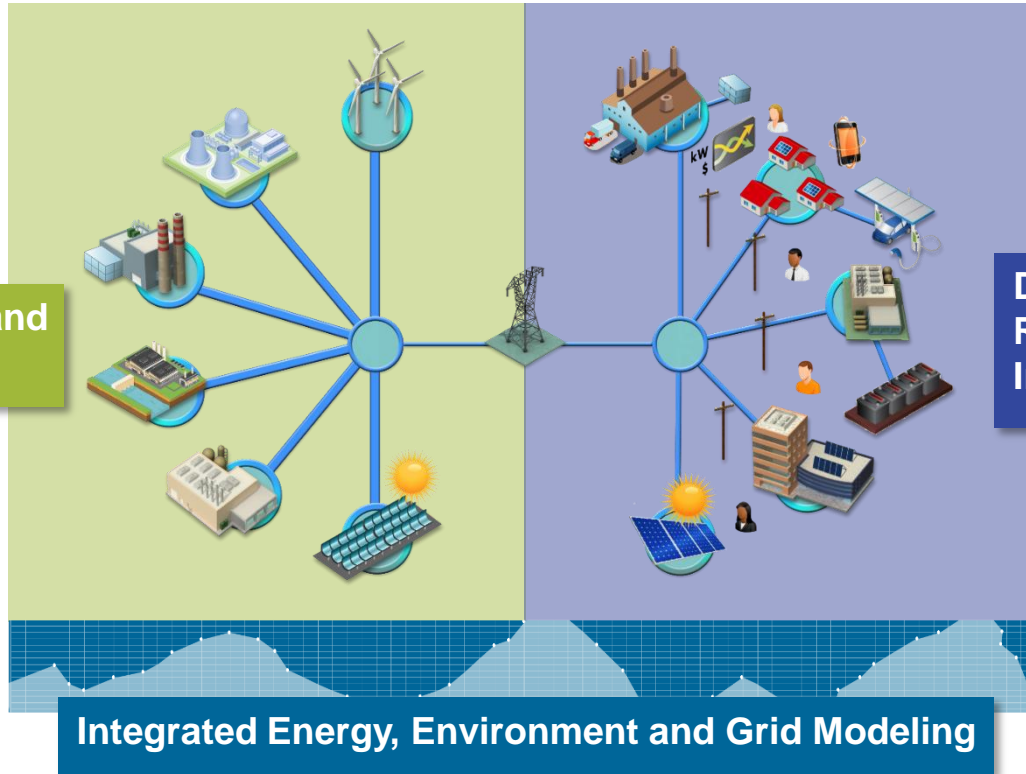


Example: Zero Energy Home



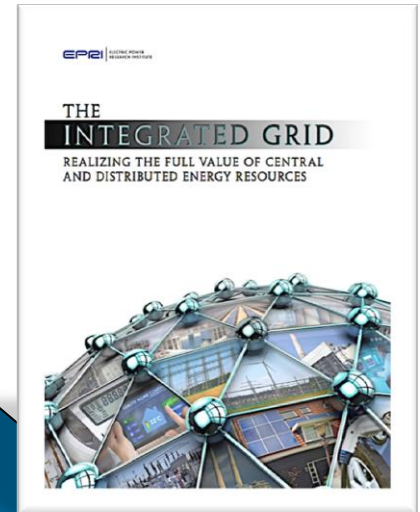
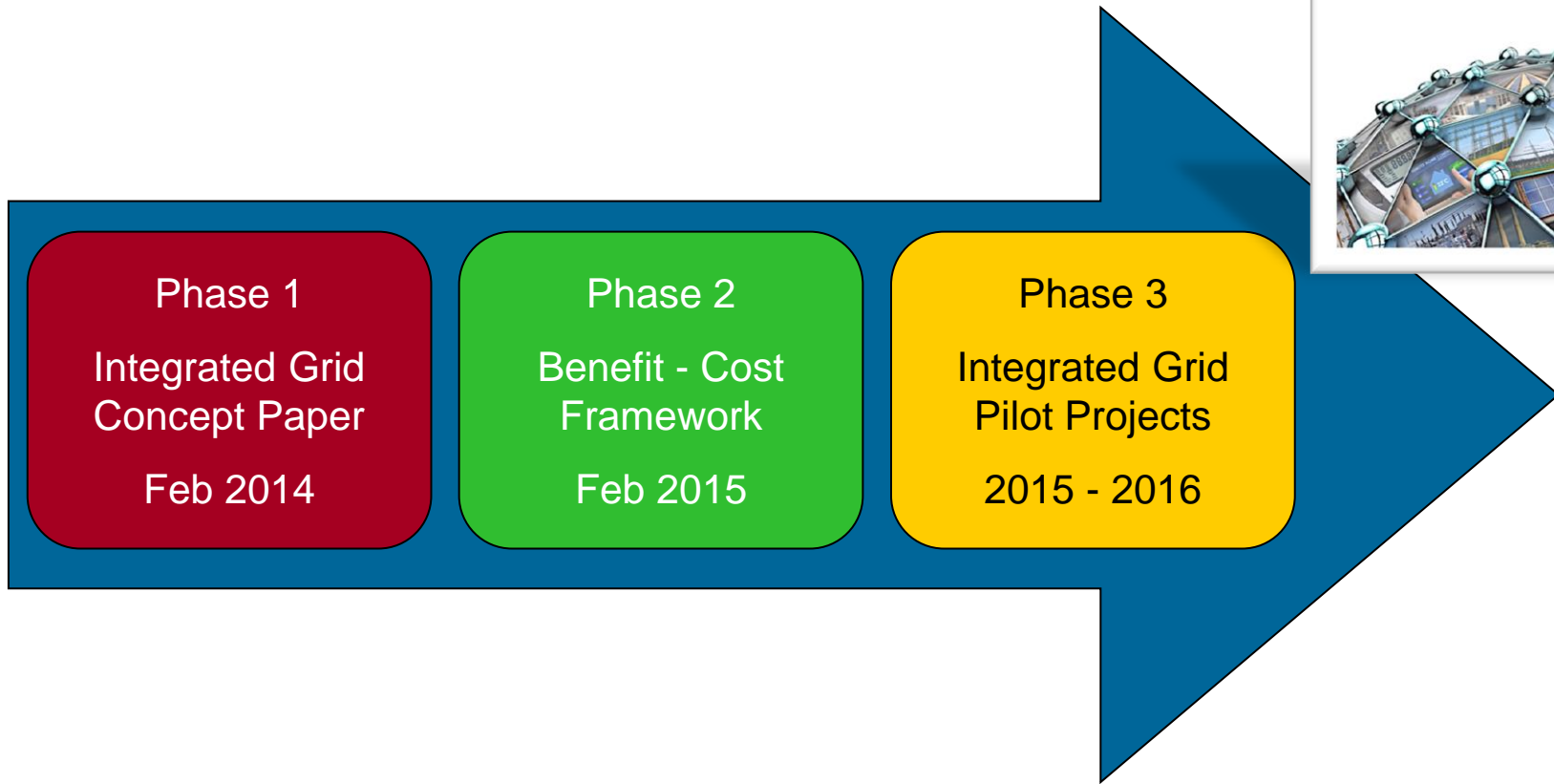
Capacity . . . Reliably *Deliver Energy* Every Second, Every Place

The Power System – *Looking Forward*



Dynamic* Power System Requires an End-to-End *Integrated Approach

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