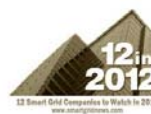
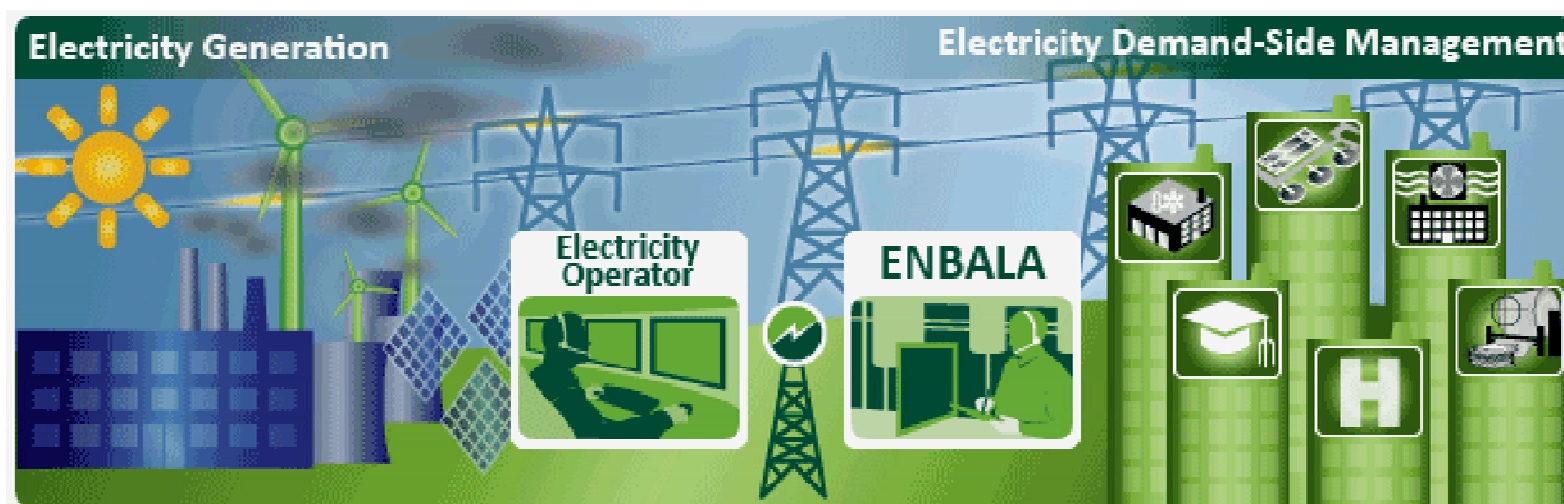


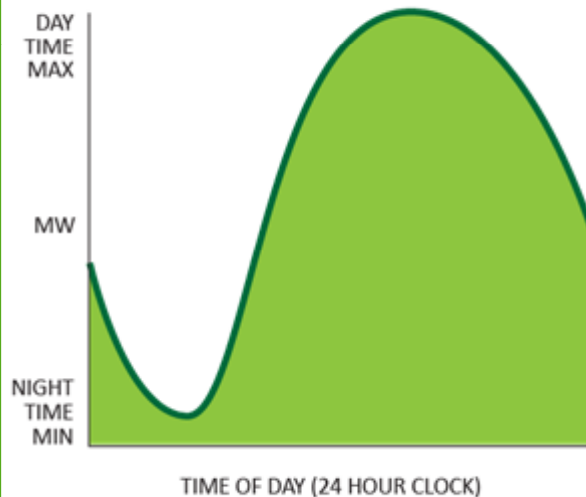


Intelligently Balancing Supply with Demand through Continuously Connected Customers



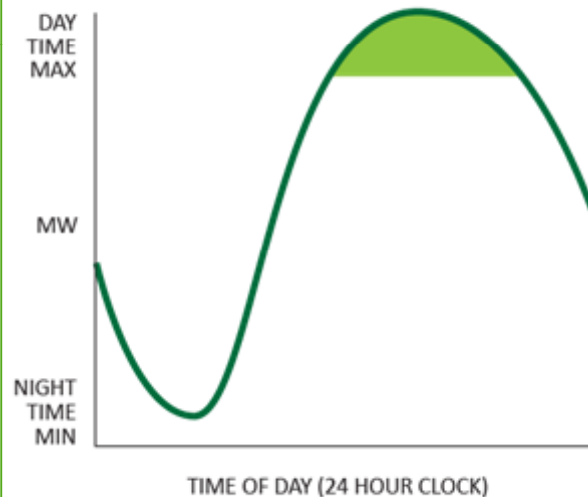
The Power System Needs Real-time Flexibility

Continuous delivery
of electricity



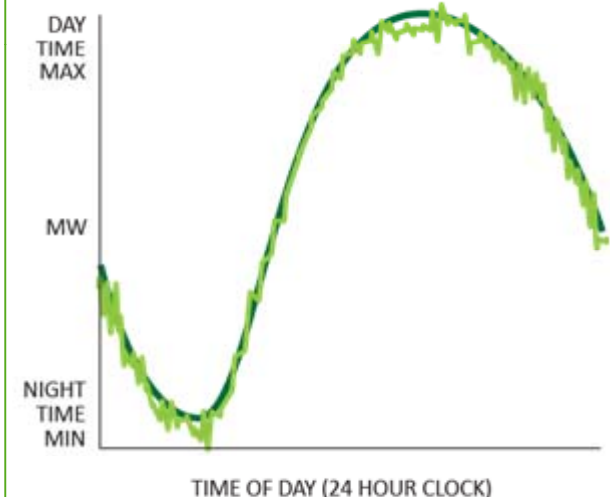
ENERGY

Ability to meet
peak requirement



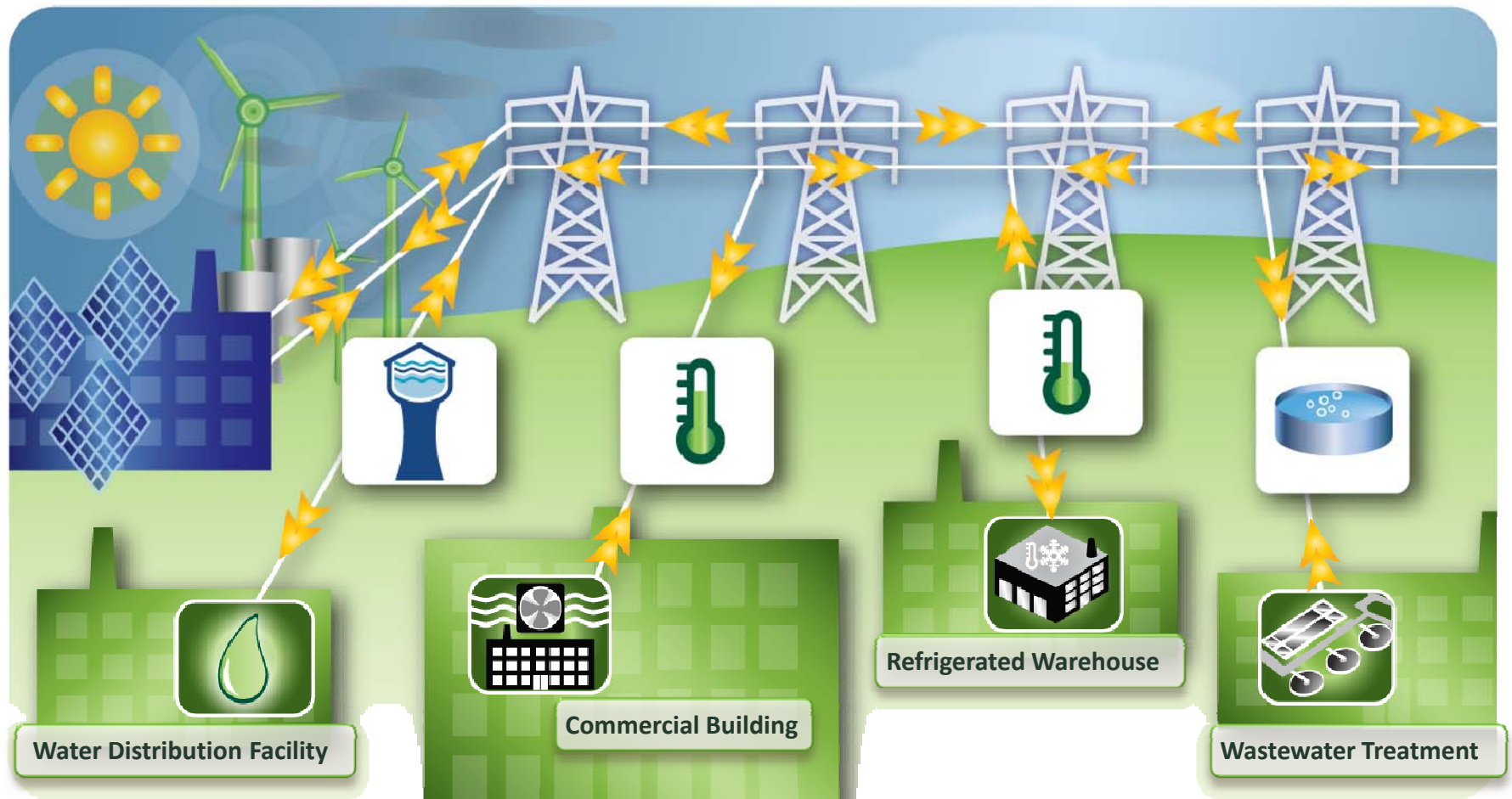
CAPACITY

Ability to continually
match supply & demand
(& manage intermittent
generation)



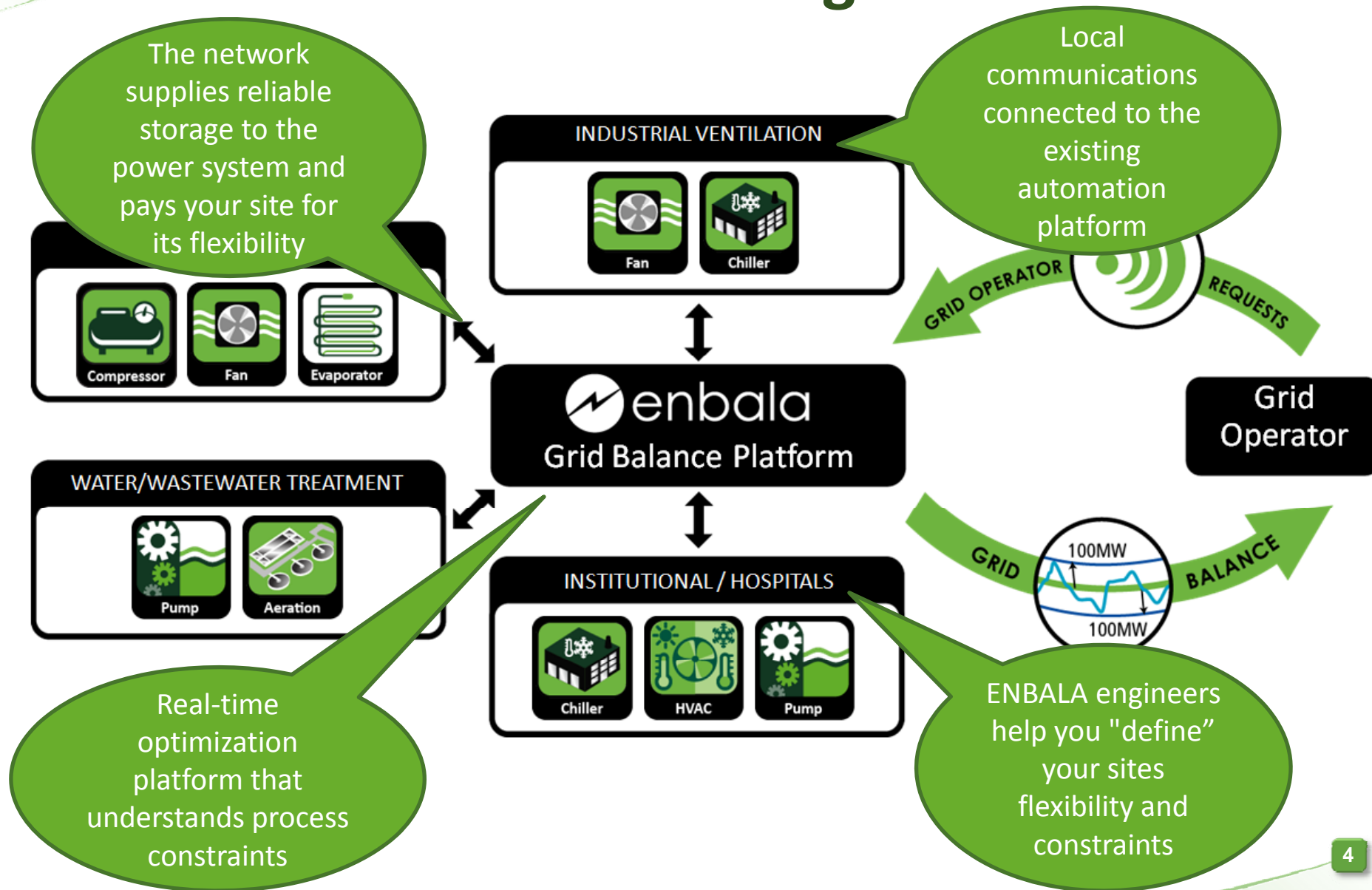
FLEXIBILITY

Inherent Process Storage in Existing Assets

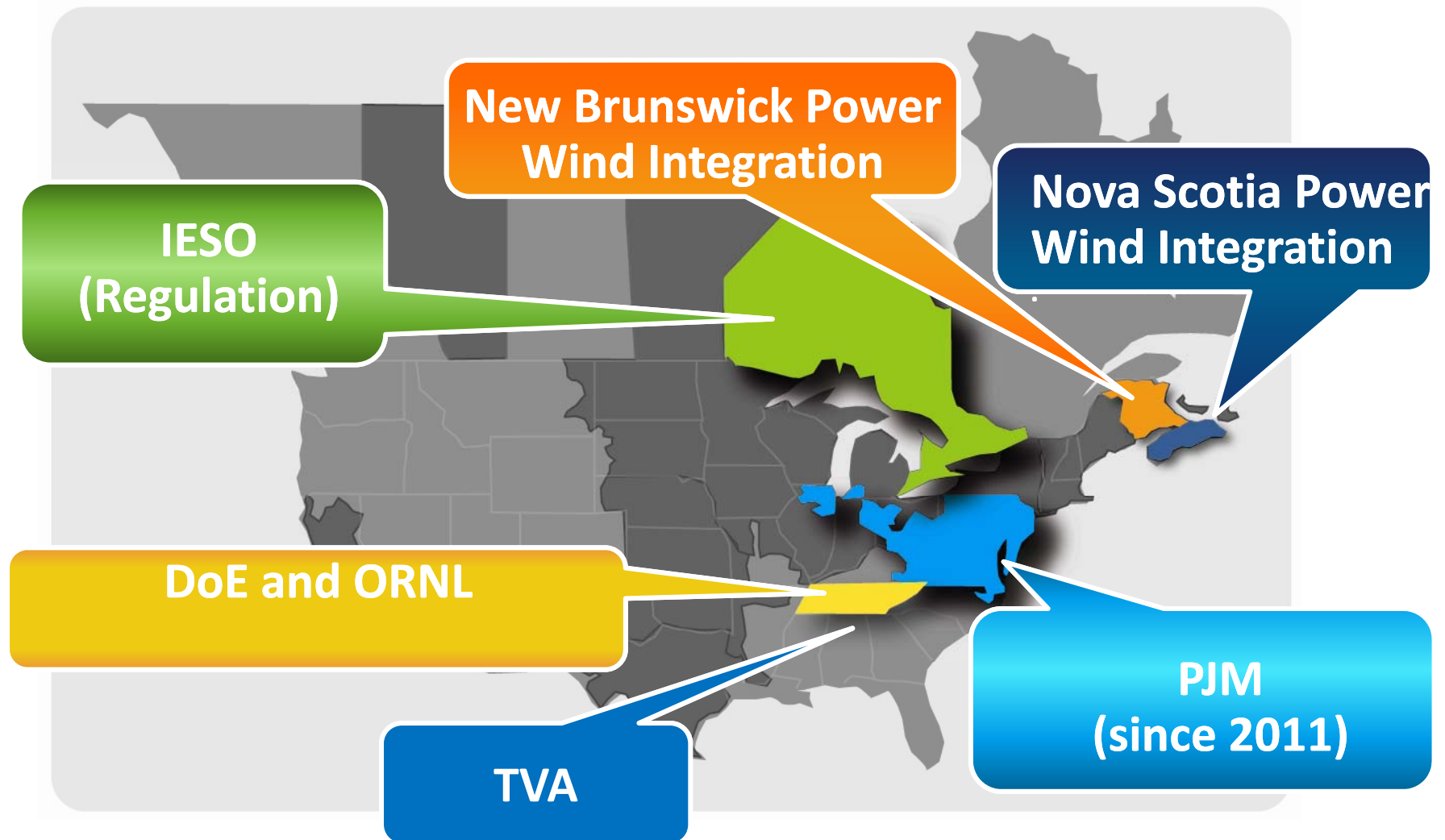


- 1 Storage already exists in the power system
- 2 Storage in industrial systems and processes provides flexibility in consumption
- 3 We only have to connect and manage this storage

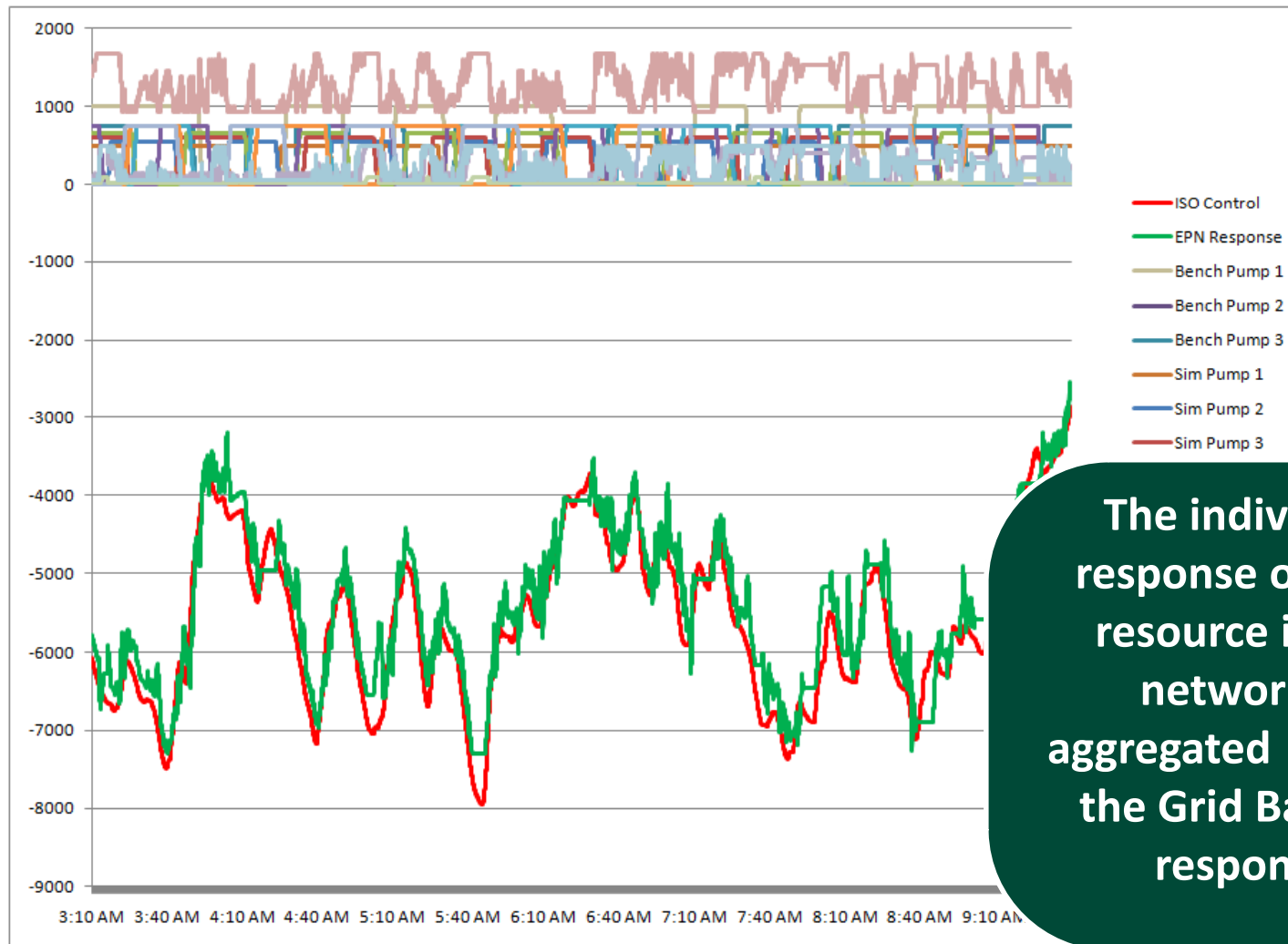
Customers Connecting to the Grid



Proven Technology in the Market Now



Network Load Response



The individual response of each resource in the network is aggregated to form the Grid Balance response

The

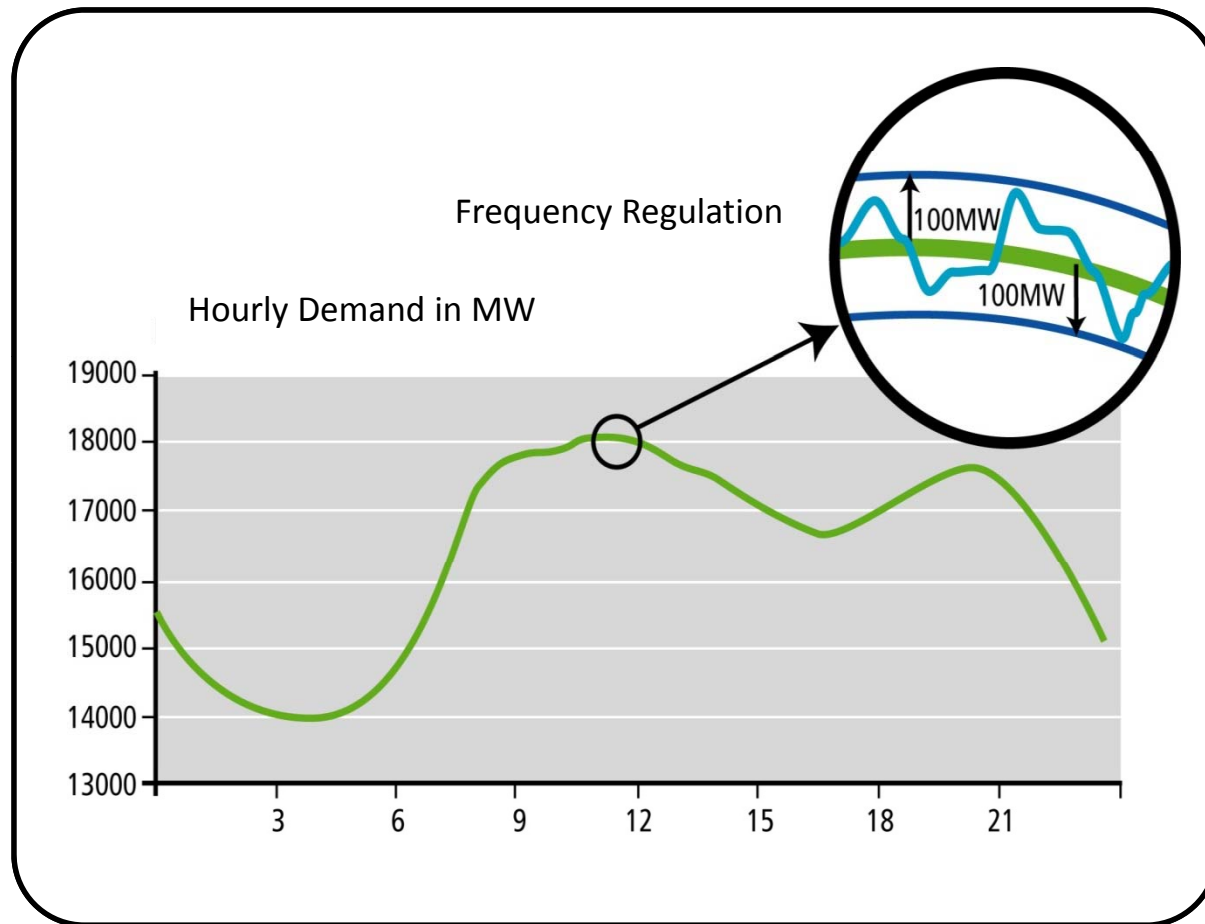
For further information, please contact:

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ENBALA Power Networks

Tel: **416.419.6393**
Email: **rdizy@enbala.com**
URL: **www.enbala.com**

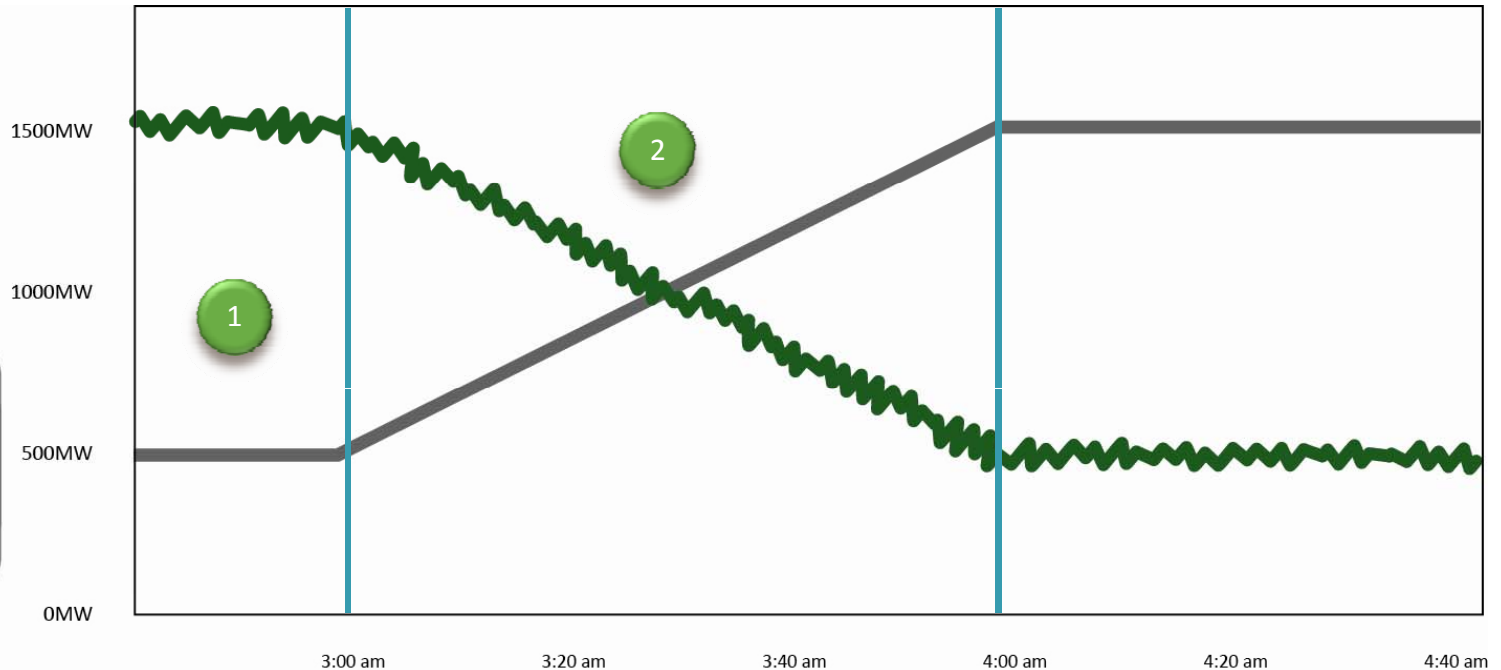


Frequency Regulation



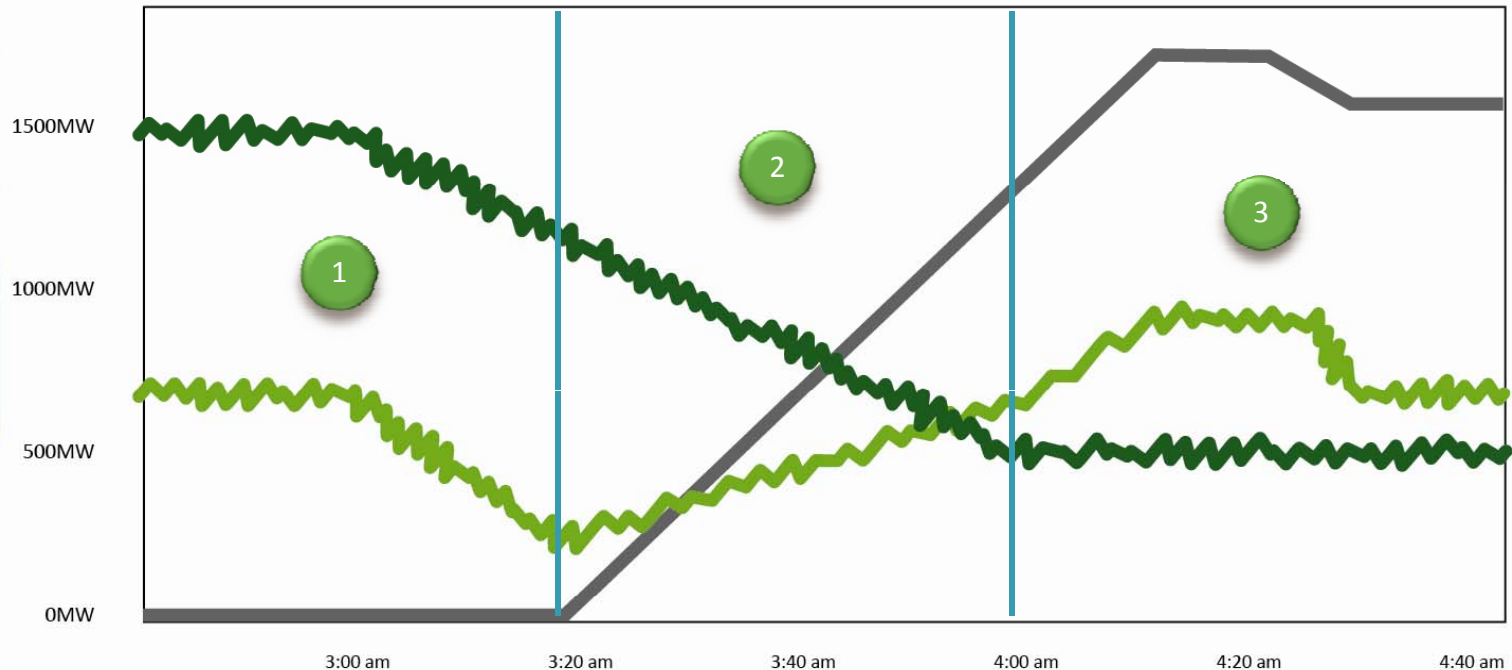
Second by second balancing of supply and load (Frequency Regulation), is currently accomplished by adjusting generation

Traditional Approach to Wind Integration



- 1 Fossil fuel generator running at a low level, ready to provide back-up generation for intermittent wind
- 2 Fossil fuel generator ramps up quickly to generate energy as the wind power falls off

Much Better Approach to Integrating Wind



- 1 The continuously connected network of demand-side loads offset the decline of wind power while the fossil fuel generator prepares to come online
- 2 Loads give the generation fleet time to efficiently turn on and begin ramping up to provide generation as wind falls off
- 3 Loads are recharged back to their neutral point – and continue to provide balance to the generation mix.