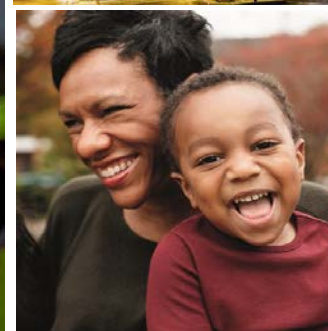



Committed to our customers and the future of energy nationalgrid

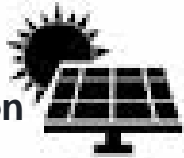



Kayte O'Neill - Vice President, National Grid Regulatory Strategy
March 28, 2018
Advanced Energy Conference 2018 Conference


Our industry is experiencing unprecedented ^{national}grid change, at an unprecedented pace


Decarbonization, Decentralization, Digitization

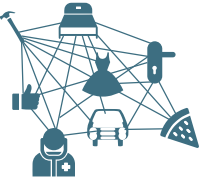
 **Ambitious 80x50 targets**


 **DER penetration**


 **Uncertain load growth**

 **Big data**


 **Internet of things**

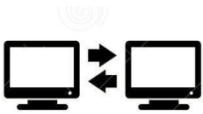
 **Sharing economy**


 **Automation & AI**


 **Changing demographics**

Opportunities

 **Smart technologies**

 **Real-time data**

 **Prosumers**

 **New partnerships**

Challenges

 **Changing capability requirements**

 **Bill pressure**

Demanding a structured, rigorous and thoughtful response

1. Customer empowerment and engagement

Information, control and choice

2. Resiliency and efficiency of the grid

Grid modernization, Advanced Metering Functionality, Non Wires solutions

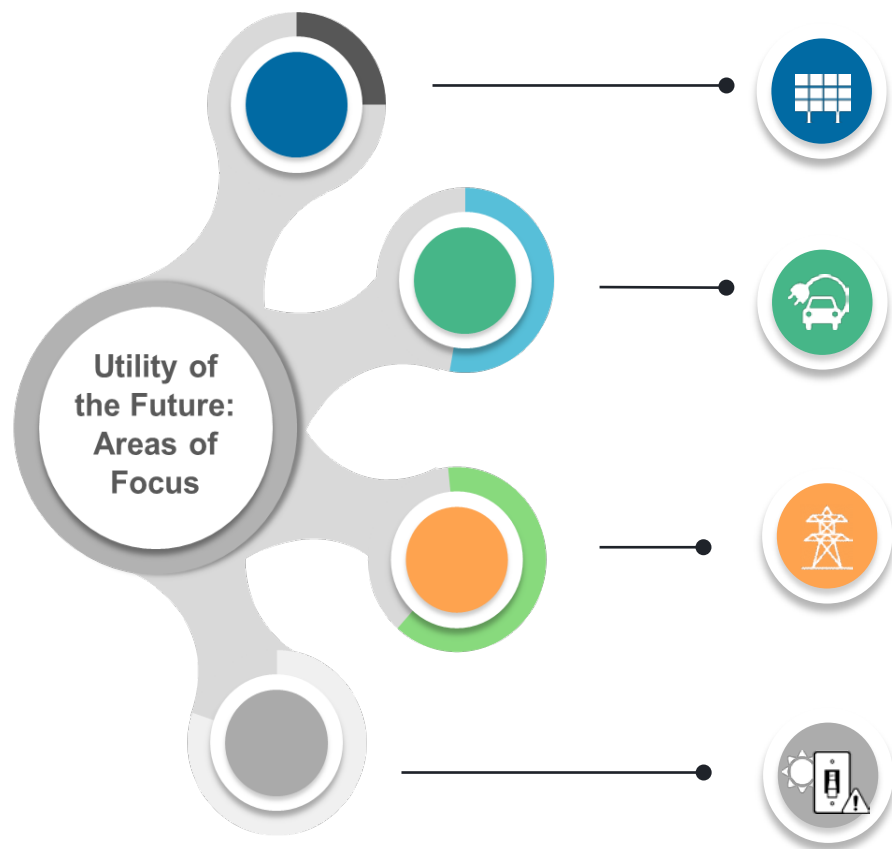
3. Supporting the clean energy transition

Electric vehicles, electric heat, storage, locational value and rate design

4. Shift toward increasing performance based regulation

Encouraging innovation, focus performance on customer value

In the US our focus is on four key areas



DG AND STORAGE

Equitable access to clean generation; resiliency and optimization couple with storage solutions for greater value

CLEAN TRANSPORTATION

Developing an infrastructure to facilitate the expansion of vehicles and fleets with electricity and natural gas

GRID MODERNIZATION

Advancing and integrating technologies to enable a more efficient and effective grid to support the new customer needs

NEXT GEN EE, DR AND NWA_s

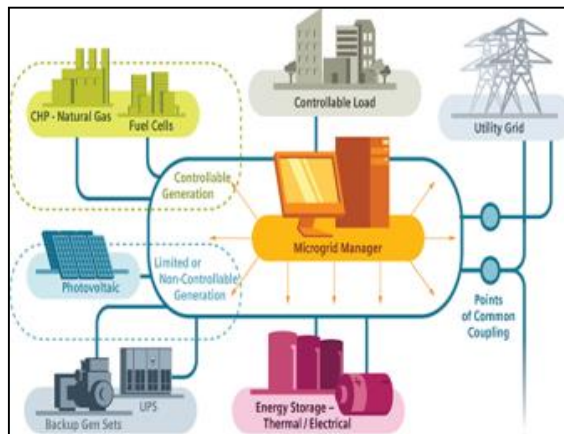
Enabling the value of distributed resources to help reduce electricity usage in constrained areas

In New York we are innovating with business models and technologies

Utility Owned Neighborhood Solar



Distribution System Platform Demonstration Program



Commercial Gas Demand Response Program



national**grid**