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# Resiliency – Building for the Future Connect21



Connecting America's Energy Network to the 21st Century



# Our Challenge

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- Aging infrastructure – both electric and gas systems
- Inefficient – significant loss of energy in heat and leaks
- Not very resilient – networks not designed for the reliability needs of today or the weather changes over the past 5 – years
- Not very agile – much of the system lacks communication and the electric system designed for a one way flow

# Our Opportunity

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**Together we can advance  
America's economic and  
environmental health**

- **Change how we regulate the industry**
- **Embrace technology partners**
- **Put customers in charge**



# Integrated Blueprint

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**The Connect21 framework links customer needs & policy goals with technology & market solutions.**



## Our job

- Build a resilient backbone
- Inform and educate customers about choice and energy management
- Offer customized solutions

# What's Driving the Solution

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## Customer & Policy Drivers

- Resiliency and Reliability
- Cost Efficiency
- Efficient Consumption
- Greenhouse Gas Emissions
- CAFE standards – Alt Fuels
- Oil to Gas Conversions

## The Energy Network

- **Resilient Backbone** – prevents and reduces impact of outages while integrating clean, central and distributed resources
- **Market Enabler** - facilitates and sends the right price signals to customers and 3<sup>rd</sup> parties
- **Customized Solutions** – provides utility-customized solutions

## Technology & Market Drivers

- Energy Efficiency
- Demand Response
- Distributed Generation
- Electric Vehicles
- Information
- Combined Heat & Power
- Energy Storage



# Call to Action

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**Let's build on core US electricity and gas networks to deliver superior customer services**

