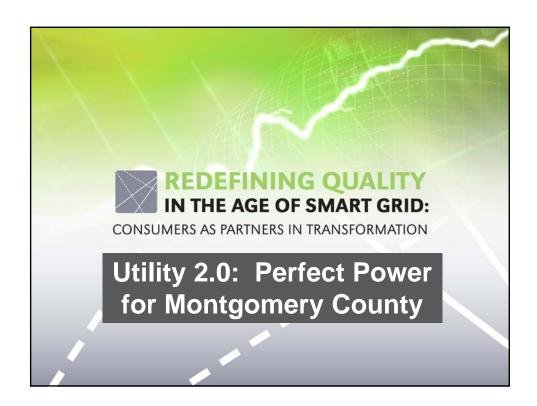
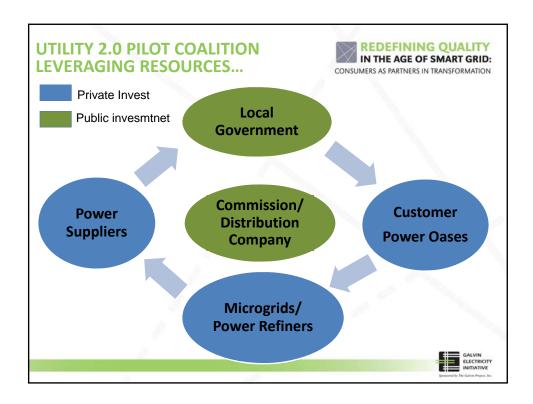
Item #3





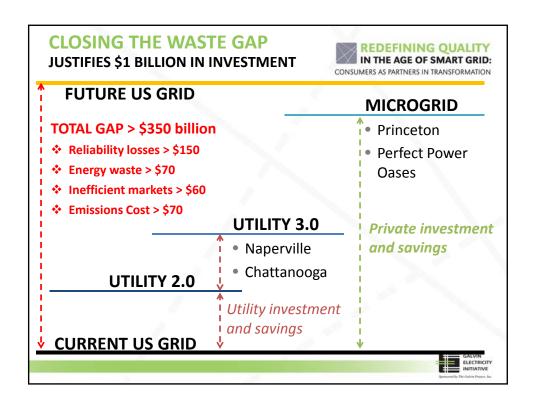


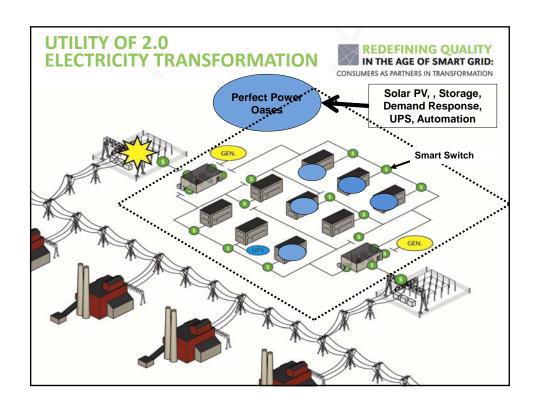
SHIFTING THE FOCUS TO PERFORMANCE OUTCOMES

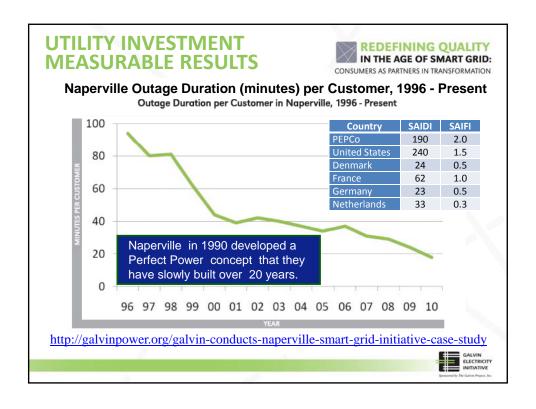


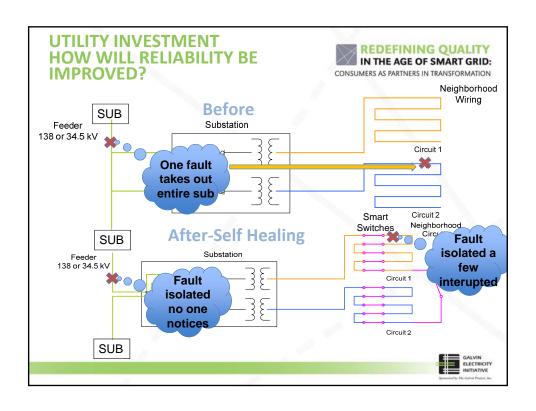
- Reliability SAIDI, SAIFI, MAIFI, power quality
 - For each circuit
- Customer participation
 - Demand response in MW
 - Price response in MW
- Operational efficiency
 - Load profile
 - Grid losses
- Power energy efficiency and environment

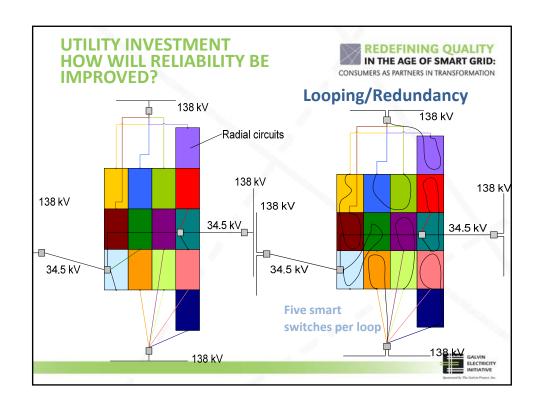


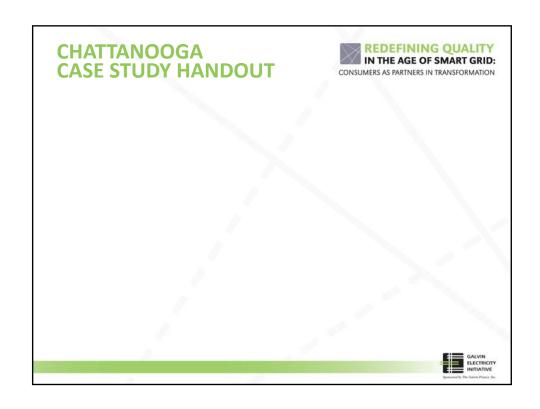












GETTING MORE OUT OF LIMITED RESOURCES...



- Joint County, Utility, Commission design and plan
- Leverage county resources
 - Coordinated tree trimming
 - Conduit installed with new sewer, roads, alley work
- Leverage private investment
 - Power suppliers
 - Microgrid developers
 - New demand response industry
 - Ensuring power to key facilities



WHAT COULD A UTILITY PRIVATE SECTOR PILOT LOOK LIKE IN THE WAKE OF HURRICANE SANDY ...



Private investment into islanding capability

- Automation/DR
- Load shifting
 - Gas fired cooling, ice storage, electricity storage
- Local generation
 - Renewable, DG, CHP, energy recovery

• Medical Centers	• Fuel Stations	• Residential Towers
 Assisted Living 	• Telecom	• Police/Fire
• Shelters	• Hotels	• Schools



PRIVATE INVESTMENT THAT WOULD DELIVER



- Power key facilities and services
- Provide grid services to support the bulk grid, including support for renewable integration
- Lower statewide peak demand and prices
- Increase power energy efficiency and

Imagine \$4 billion in investment in 2,000

MW of local load shifting capability

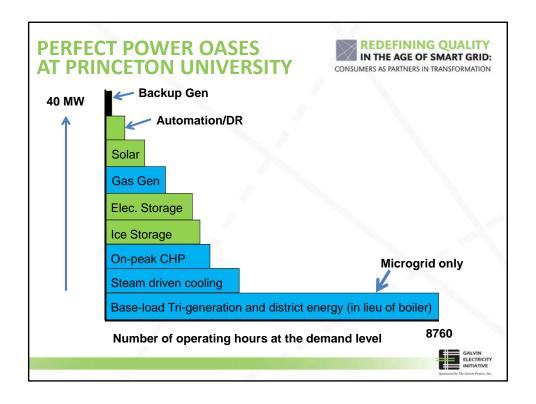


INVESTMENT DESIGNED TO ENSURE UTILITY RESOURCES ARE NOT DEPLETED



- Enter real-time market
 - Limits operating hours and utility revenue reduction
- Reduced interconnect and time
- Multi-year ancillary service agreement
- Ensure utility supplies80%+ of electricity
- In return for utility grid services
- __ DR
- Load response
 - Voltage support
 - Reactive power support
 - Event response







CUSTOMER VALUE



- 50% SAIDI, SAIFI
- 50% \$ Waste
- 50% mmBTU/MWh
- 15% peak demand
- ► 50% COe, NOx, SOx Ibs/MWh
- Supply choice
- Price transparency
- Access to real-time data
- Encourage Interconnect
- Pay for Ancillary Service
- Engage local government
- New utility compact



CONCLUSION



- The Governor's proposal to conduct a pilot is a sound approach and unique
- Never before have a local government and industry team of leaders assisted the local utility and commission with designing a demonstration to:
 - optimize customer value,
 - maximize utility smart grid outcomes (e.g. reliability),
 - leverage county resources, and
 - maximize private investment.

