Creating a Transactive Energy Platform

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2015
New DG > New Gas applications
applications

national grid
Right Place, Right Time...

REGULATORY ENVIRONMENT

MARKET

TECHNOLOGY
Distributed System Platform REV Demo

CURRENT DISTRIBUTION AND TRANSMISSION GRID

BUFFALO NIAGARA MEDICAL CAMPUS

DISTRIBUTED SYSTEM PLATFORM
What’s The Real Value?

LMP+D+E

Bulk
- Avoided NYISO LBMP and ICAP

Distribution
- Capital Investment Deferral (NWA)
- Losses and power quality
- Increased resiliency and reliability

Environmental
- Avoided CO2 Emissions
The Insights

**KEY BENEFITS**

- New revenue streams (Customer & Utility)
- Improve ROI & New DER investments
- Network optimization
- Opportunities to expand offerings

**LESSONS LEARNED & RECOMMENDATIONS**

- Customers value convenience and choice
- BE AGILE! Design → Learn → Pivot
- Automation is critical for P2P
- Interconnection requirements can slow progress
National Grid is actively developing new applications and functionality that can UNLOCK VALUE for National Grid’s customers and communities to accelerate progress towards a sustainable future.
THE BEST WAY TO PREDICT THE FUTURE IS TO CREATE IT.
QUESTIONS?

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