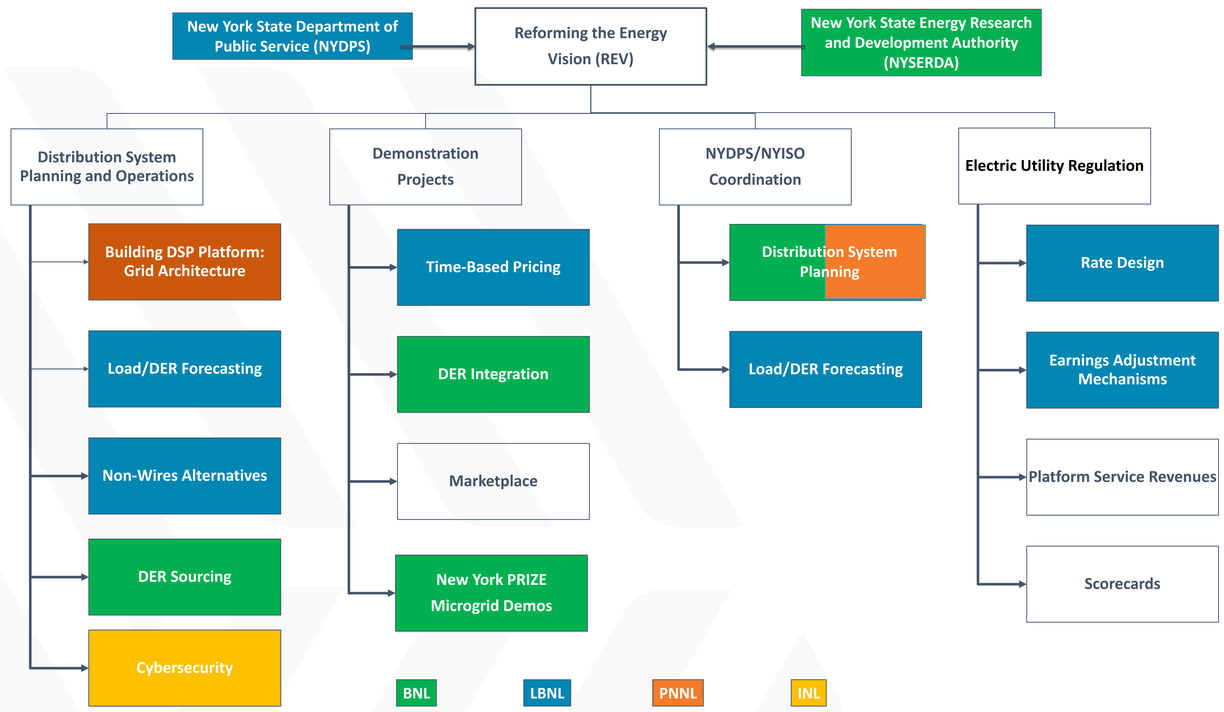
1.3.22 Technical Support to the New York State Reforming the Energy Vision (REV) Initiative

GRID MODERNIZATION INITIATIVE
U.S. Department of Energy

Project Description

The New York State **Reforming the Energy Vision** (REV), initiated in 2014, will fundamentally change the operation of the electric grid in New York State to a more distributed, consumer-focused energy delivery system.

This GMLC project is providing objective technical assistance by a team of experts from the national laboratories to New York State agencies and policy makers to enable the REV, and, as a result, gain knowledge that can be leveraged for DOE's Grid Modernization Initiative.



The REV Team will help address many of the key challenges facing grid modernization and will take advantage of a unique opportunity for obtaining insights and lessons learned that can be applied throughout the nation.

Expected Outcomes

- Technical guidance provided to regulators, policy makers and stakeholders to address challenges associated with establishing a Distributed System Platform envisioned by REV
- Insights on what business models work and why, as well as customer adoption of the REV model
- Lessons learned from REV on deploying DER at the distribution level that can be applied to grid modernization efforts in other states

Milestone (FY16-FY17)	Due Date
Identify high priority TA tasks by NYS agencies	7/15/16
Annual progress report and lessons learned from REV	12/31/16
Midterm progress report and lessons learned from REV	5/1/17
Final Annual progress report	10/1/17
Summary report with insights and lessons learned from REV	10/1/17

Highlights of Accomplishments

TA Provided	Impact
Supported NYPSC and NYDPS review of Joint Utilities Supplemental DSIP filings	Directly impacted PSC Order concerning next wave of filings on DSIPs
Provided input to Avangrid and National Grid on their respective residential time-based rate pilots	Improved pilot design to reduce complexity and improve likelihood that results will be actionable
Developed a use case on addressing two-way power flow on the grid for NYSERDA	Improved utility understanding on how to address this issue
Supported NYDPS on grid architecture issues and DSIP implementation planning; developed analysis of selected communication network issues and relationship to data services models	Provided insights on legacy and forward looking architecture issues in preliminary DSIP filings to be addressed during implementation of REV
Worked on a draft NY REV Security framework with security leads from NY utilities	Improved security framework includes wide range of capabilities from joint utilities