



**Rockland Electric Company (RECO)**

# **2018 LOCAL PLANNING ASSUMPTIONS**

**PJM MID-ATLANTIC SRRTEP MEETING  
January 2018**

# PRESENTATION OUTLINE



**COMPANY BACKGROUND**



**LOCAL PLANNING  
DESIGN CRITERIA**



**TOOLS AND  
METHODOLOGIES**



**DEVELOPMENT OF LOCAL  
PLANS**

# COMPANY BACKGROUND (Service Territory)



## Company Profile:

TO, DP, TOP & TP under NYISO.  
TO & DP under PJM.  
Subsidiary of Con Edison, Inc.

## Existing Circuit Miles:

Transmission (69 kV to 345 kV) :  
554 miles  
Distribution (4 kV to 34.5 kV) :  
3,764 miles  
UG Distribution (13.2 kV) :  
1,696 miles

## Customer Data:

Electric: 300,700 (NY, NJ)  
Gas: 130,000 (NY)

## All time Peak Demand for electricity:

1617 MW (8/2/06)

Number of employees ~ 1100

Service Territory ~ 1350 sq. miles



# **COMPANY BACKGROUND**

## **(Transmission Design Standards)**

- **THERMAL**

- Normal Operating Conditions:
  - Below Normal Rating of Equipment
- N-1 Operating Conditions:
  - Below Normal Rating of Equipment.

- **VOLTAGE**

- Normal and N-1 Operating Conditions:
  - $0.95 < \text{Nominal Bus voltage} < 1.05$

# PLANNING STUDIES

- **NEAR TERM**

- Upcoming summer study

- **MEDIUM TERM**

- Five-year planning assessments (annual)

- **LONG TERM**

- 10-year planning assessments (every 2 years)

- 20-year planning assessments (every 5 years)

# TOOLS & METHODOLOGIES

- Thermal (PSS/E)
- Voltage (PSS/E)
- Thermal and Voltage (TARA)
  - N-1-1 studies
- Short Circuit (ASPEN)
- Equipment Replacements Due to Condition (FIELD INSPECTIONS AND TEST REPORTS)

# DEVELOPMENT OF LOCAL PLANS

- **POSSIBLE MITIGATION FOR CRITERIA VIOLATIONS**

- Load Transfers
- Equipment Upgrades
- New or Reconfiguration of Transmission Lines
- New Switching Stations with new or reconfigured Transmission Lines
- Transmission Station Reconfiguration or Upgrade
- Reactive Power Compensation (Capacitors or Reactors)
- Short Circuit Remediation/Breaker Upgrade
- REV Screening (NY Projects only)
- Non-Wires Alternatives (NWAs)