



Department  
of Public Service

# Distribution Level Interconnection in New York

# New York Interconnection Update Topics

- Overview of the “Standardized Interconnection Requirements” = SIR
- Pending SIR changes
  - Recommended modifications to the SIR
    - Inclusion of Energy Storage Systems (ESS)
    - Consolidation of projects up to 5 MW
    - Use of the Interconnection On Line Application Portal (IOAP)
    - Other process changes
  - Initial comments due March 12, 2018

# New York SIR Overview

- Rules govern generation interconnection up to 5 MW AC proposed to operate in parallel with the distribution system
- Existing SIR structure:
  - Section I – Application
    - Part A – Introduction and scope
    - Part B – Fast track for projects up to 50kW
    - Part C – Rules for projects above 50kW to 5 MW
- Set action deadlines for both developer and utility

# Basic Process

- Submit complete application
- Preliminary and supplemental screening
- Review results and make adjustments
- At each step, look for solutions that allow the project to move forward
- If solution not found at screening stage, developer must either commit to full study or withdraw

# System Impact Study Process

- “Coordinated Electric System Interconnection Review” (CESIR)
- SIR specifies data to be provided by the applicant
- Utility to perform the study within 60 business days
- CESIR report identifies impacts to utility system and necessary system modifications
- Utility also provides cost estimates for system modifications
- Developer has up to 180 business days to make payment or withdraw the application
  - 25% due at 60 business days, balance 120 business days later
- Construct and test

# SIR and Energy Storage Systems

- Pending proposal incorporates ESS in the existing process
- Stand alone or hybrid projects evaluated according to max output
- Components of the proposal:
  - New Section I - Part D – Rules for Energy Storage Systems
  - New Appendix A1 - Standard Interconnection Agreement for ESS
  - New Appendix K
    - ESS Application Requirements
    - System Operating Characteristics
    - Initial Market Election

# More on ESS

- Proposal allows developers to specify operating parameters and intended market participation
- Rules include flexibility to change operating modes, with utility review, as market opportunities evolve

# Projects up to 5 MW

- SIR process already contemplates projects up to 5 MW
- Commission approved extension of Value of D compensation to larger projects at the February 21 Session
  - New applications and expansions may proceed
- However, rules for aggregating projects now in the queue are not final



# Misc / Other Proposed SIR Changes

- Incorporation of updated IEEE 1547 standards
- Net Metering
- Anti – Islanding Criteria
- Monitoring & Control Criteria

# Interconnection Online Application Portal (IOAP)

- Individual IOAP implementation plans submitted by utilities in June 2016 DSIP filings
- Joint Utilities implementation plans were submitted via Supplemental DSIP filings in November 2016
- IOAP implementation includes 3 phase roadmap
  - Phase 1: Automate Application Management
    - Complete - October 2017
  - Phase 2: Automate SIR Technical Screening
    - Requires updated SIR & technical screening approach (2018)
  - Phase 3: Full Automation of Interconnection Process (TBD)
    - May be eliminated due to feasibility, benefits & associated costs
- DPS Staff will be following-up and actively working with the utilities on these efforts to ensure state-wide standardization, timely compliance and efficient cost controls for the IOAP

# Interconnection Technical Working Group

- Goal: identify, discuss, and resolve technical barriers and challenges affecting the interconnection of distributed generation.
- Includes representatives from State agencies, utilities, and DG developers
- Technical consultant (EPRI / Pterra) to assist evaluation process and technical document development
- Initial Topics: Ground Fault Over Voltage / Anti-Islanding Protections / Monitoring & Control
- Current Topics: Energy Storage / Updated Screening / Metering Configurations (ESS)
- More information on ITWG at <http://www.dps.ny.gov>

# Interconnection Policy Working Group

- Goal: develop consensus based solutions and recommendations on policy issues related to the interconnection of DG
- Includes utilities, project developers, trade associations, non-governmental organizations, and customer representatives
- Meeting calendar and agendas at <http://www3.dps.ny.gov/W/PSCWeb.nsf/All/0D7596DBBEF0380885257FD90048ADFA?OpenDocument>

# What Comes Next

- Next Steps
  - SIR changes were published on 1/10/18
  - Initial comments due on March 12, 2018
  - Reply comments due March 29, 2018
  - Commission decision possible at April Session
  - In the mean time
    - ITWG Meetings: 3/21/18 ...
    - IPWG Meetings: 3/28/18 ...

# NYS Interconnection Team

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