

## MEMORANDUM

To: NYSRC EC  
From: R. Clayton  
Re: DER Report  
Date: 5/1/20

### Meetings:

- NERC Planning Committee - May 1, 2020 @ 1:00 pm
- NERC SPIDERWG - May 12/13, 2020 @ 11:00 am
- NPCC RSC Day 2 DER Forum - May 14, 2020 @ 8:30 am
- NYS ITWG - May 21, 2020 @ 12:30 pm
- NERC IRPTF - June, 2020?

### Current Activities:

- **NERC SPIDERWG**
  - White Paper “TPL-001 Review for Incorporation of DER” April 2020
    - Posted comments were reviewed
    - Initial comments
      - Too early for SARs
      - Need for review of other approaches, not enough guidance, scope beyond BES?
    - Recommendations
      - Need to clarify requirements
    - Approval to forward to full PC for their approval scheduled at 5/1/20 PC Executive Committee meeting
  - Guideline “BPS Perspectives for Implementing IEEE 1547-2018”
    - Approved at PC 3/3/20 meeting
  - Draft Guideline “DER Data Collection for Transmission Planning”
    - Approved to post for comment at PC 3/3/20 meeting
  - MOD-032 SAR “Data for Power System Modeling & Analysis”
    - Approved to post for comment at SC 3/18/20 meeting
- **NERC IRPTF**
  - White Paper “Inverter Based Resource Monitoring”
    - Approved at 3/3/20 PC meeting
    - Comment on imposition of IBR costs without reliability benefit
  - Technical Report “BPS-Connected IBR Modeling & Studies” March 2020
    - Posted comments being reviewed
    - Recommendations
      - Alert Findings – need for dynamic base case updates
      - Study Findings – need for detailed analyses with accurate IBR models & protection
      - Modeling Issues – need for verification of dynamic models, detailed modeling & accurate parameterization
    - Approval to forward to full PC for their approval scheduled at 5/1/20 PC meeting

- White Paper “Review of NERC Reliability Standards Applicability” March 2020
  - Approved at PC 3/3/20 meeting
  - Recommendations:
    - FAC-001-3/FAC-002-2 - Facility Interconnection Requirements/Studies
    - MOD-026-1/MOD-027-1 – Verification of Models & Data for Generator/Turbine Controls
    - PRC-002-2 – Disturbance Monitoring & Reporting
    - TPL-001-4 – Transmission System Planning Performance Requirements
    - VAR-002-4.1 – Generator Operation for Maintaining Network Voltages
  - Initial comments
    - Too early for SARs?
    - Need for review of definition of “materially modify”, process, performance expectations, other approaches?
- White Paper “Fast Frequency Response Concepts & BPS Reliability Needs” March 2020
  - Approved at PC 3/3/20 meeting
  - Recommendations
    - Fast frequency response identified as an essential reliability service with higher penetrations of IBR
    - High initial rate of change of frequency caused by decreased system inertia requires fast IBR energy injection
    - Factors: System Inertia; Size of contingency; Magnitude of response; Speed of response
- **NPCC RSC**
  - DER Guidance Document - Version 2
    - Scope discussed at DER Task Force 3/30/20 meeting
      - ISO-NE provided suggested revisions
      - Input items solicited from members and NERC SPIDER/IRPTF groups
  - NPCC RSC Day 2 DER 5/14/20 Forum
    - Six presentations scheduled
- **NYCA ITWG**
  - ITWG 4/16/20 meeting agenda
    - Coordinated Electric System Interconnect Review (CESIR)
      - Interconnection cost estimates
    - Energy Storage Systems
      - Auxiliary metering requirements