

## NYSRC 2022 Goal A-2a - Present Scope to EC by May 2022

### Existing NYSRC Reliability Rules Affected by DER, IBR & Storage Resources

RR Section	Rule
A. Resource Adequacy	A.1 NYCA IRM A.2 LCR ICAP A.3 RA Assessment
B Transmission Planning	B.1 Requirements B.2 Assessments B.3 BPS List B.4 Special Studies
I Modeling & Data	I.1 Verification Testing I.2 EFORD & SCR Performance I.3 Load Forecasting I.4 Transmission Data

#### 4. NYSRC Procedure for New York Control Area Transmission Reviews

#### Challenges applicable to all/some/new NYSRC RR?

1. Standards. Adopt IEEE1547 & 2800, NPCC DER
  - standardize data & model requirements
  - model verification for DER, IBR & storage
2. System conditions - no wind & no sun combinations
  - load levels 90/10, 99/1
  - no external support
  - ramp rate limitations
  - winter load levels
3. Extreme conting
  - loss of all gas resources
  - extreme cold
4. Fault levels
  - impact of no/low DER/IBR fault duty
5. Expand to include DER, IBR & storage simulation in all NYISO studies
  - Interconnection
  - RNA & CRP

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