Part 2 – Provisional ACL Project Content Overview
Demand Response Information System (DRIS) Training for March 2014 Deployment

Michael Lavillotti
Product Business Analyst
New York Independent System Operator

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Training Topics

- ## Part 1: Introduction to DRIS
  - *DRIS User Requirements*
  - *User Privileges*
  - *Access to DRIS*

- ## **Part 2: Provisional ACL Project Content Overview**
  - ***Provisional ACL***
  - ***Request for ACL Data***
  - ***Incremental ACL***
  - ***SCR Change of Status/Shutdown kW***

- ## Part 3: Resource Enrollment in DRIS
  - *Provisional ACL Eligibility*
  - *Export Enrollment File*
  - *Import Resources*
  - *Resource Import Validations*

- ## Part 4: Managing ACL Data Requests
  - *View Resources*
  - *Resource Enrollment Validations*

- ## Part 5: Enrollment Screens
  - *ACL Details*
  - *Event Responses*
  - *ACL Adjustments*
  - *Top Hours*

- ## Part 6: Second Test and Additional Items
  - *DADRP/DSASP kW Adjustments*
  - *Changes to Top Hours*
  - *Second Test Requirements*

- ## Part 7: Deployment
  - *Additional Training Sessions*
  - *Deployment Activities*

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Provisional ACL Project Overview Topics

- **Provisional ACL Project Functionality**
  - *Provisional ACL*
  - *Request for ACL Data*
  - *Incremental ACL*
  - *SCR Change of Status/Shutdown kW*
- **Installed Capacity (ICAP) Manual Language**

PROVISIONAL ACL

Average Coincident Load

- **The Average Coincident Load ("ACL") is the baseline load reduction capability of a resource**

- **Based on the average of the resource's top 20 metered load values that are coincident with the top 40 SCR Load Zone Peak Hours from the Prior Equivalent Capability Period**

Average Coincident Load con't

- ◆ **Used to establish the baseline of the available capacity of the resource**

  - ▪ *Establishes the capacity the resource can offer into the ICAP Market*
    - • **Resource DV cannot be greater than its Net ACL**
    - • **ICAP = DV * (1+Transmission Loss Factor)**
    - • **UCAP = ICAP * Aggregation PF**
      - • **Or MP PF when resource is new to SCR program**

  - ▪ *The capacity baseline used to measure hourly event response*

Provisional ACL

- **An estimate provided by the RIP of the resource's average peak load**

- **One value imported on the enrollment file**

  - *Used when the resource was not previously enrolled in the ICAP/SCR program or did not have meter data from the Prior Equivalent Capability Period*

    - **New conditions for use of a Provisional ACL are applicable for Summer 2014**

Summary of Provisional ACL Changes

◆ **Changes to existing rules for use of Provisional ACL will impact:**

- *Enrollment: the determination of when a resource will be allowed to enroll using a Provisional ACL*
  - Additional functionality added to enrollment process
  - Changes to validations allowing a resource to enroll with a Provisional ACL

- *Provisional ACL Shortfall calculation: change to the calculation of the Provisional ACL Shortfall*
  - Inputs to the calculation

- *Verification Sanction: may be subject to at the resource level, for failure to report required Provisional ACL Verification data*

Provisional ACL Enrollment Rules – Prior to Summer 2014

◆ **A resource cannot enroll with a Provisional ACL for more than three consecutive Capability Periods, <u>regardless of RIP</u>**

- *A resource may only be enrolled in the third consecutive Capability Period, with the same or a new RIP, when the resource was enrolled for <u>less than 40 of the 40 top hours</u> during the Prior Equivalent Capability Period, based on the resource Meter Installation Date*

Provisional ACL Enrollment Rules – Beginning Summer 2014

- **A resource cannot enroll with a Provisional ACL for more than three consecutive Capability Periods, <u>with the same RIP</u>**

  - *A resource may only be enrolled in the third consecutive Capability Period, with the same RIP, when the resource was enrolled for <u>less than 20 of the top 40 hours</u> during the Prior Equivalent Capability Period, based on the resource Meter Installation Date*

Enrollment Rule Change: Provisional ACL

◆ **When a RIP attempts to enroll a resource with a Provisional ACL, one of three outcomes can occur**

  ▪ *Resource may be enrolled with a Provisional ACL, dependent upon a combination of:*

    • **Same or new RIP**

    • **Number of consecutive Capability Periods already enrolled with a Provisional ACL**

    • **Meter Installation Date**

    • **Required meter data available in DRIS**

  ▪ *Resource <u>will</u> not be permitted to be enrolled with a Provisional ACL when the NYISO has the data available for the resource to be enrolled with an ACL*

    • **The RIP will be able to request the data from the NYISO**

  ▪ *Resource <u>will not be</u> permitted to be enrolled with a Provisional ACL*

Enrollment Rule Change: When a Resource May be Enrolled with a Provisional ACL

- ◆ **Resource will be permitted to be enrolled with a Provisional ACL:**

  - ▪ *With any RIP when*
    - • Resource is new to SCR program (current rule)

  - ▪ *With the same RIP when*
    - • Resource is new to SCR program for the Capability Period (current rule), or
    - • Resource enrolled with Provisional ACL with same RIP in Prior Equivalent Capability Period
      - • Fewer than 20 hours of Provisional ACL verification meter data from Prior Equivalent Capability Period were required and reported (rule change to: number of required hours) based on meter installation date

  - ▪ *With a new RIP when*
    - • Resource enrolled with Provisional ACL in Prior Equivalent Capability Period with a different RIP
      - • Fewer than 20 hours of Provisional ACL verification meter data from Prior Equivalent Capability Period were required and reported (rule change to: number of required hours) based on meter installation date
      - • Required Provisional ACL data not reported by the previous RIP and not obtainable by the new RIP (new rule)
    - • Resource was enrolled with ACL in Prior Equivalent Capability Period with a different RIP and data is not available for enrollment in the current Capability Period

Enrollment Rule Change: When a Resource *Cannot* be Enrolled with a Provisional ACL

◆ **Resource will *not* be allowed to be enrolled with a Provisional ACL:**

   ▪ *With the same RIP when*

   - Resource enrolled with Provisional ACL with same RIP in Prior Equivalent Capability Period, and

      - 20 or more hours of Provisional ACL verification meter data from Prior Equivalent Capability Period were not reported (rule change to: number of required hours)

   ▪ *With a new RIP when*

   - Resource enrolled with Provisional ACL in Prior Equivalent Capability Period, and

      - 20 or more hours of Provisional ACL verification meter data from Prior Equivalent Capability Period reported to the NYISO (rule change to: number of required hours AND NYISO providing available data to calculate an ACL)

New Enrollment Features

- **RIPs will have the ability to check on the eligibility of a resource to be enrolled with a Provisional ACL based on the availability of meter data for the resource in DRIS**

    - *Eligibility will be determined using the resource's TO Account Number*

- **When a resource may not be enrolled with a Provisional ACL, the RIP may request the available data for calculating an ACL when the RIP enrolls the resource**

INCREMENTAL ACL

Incremental ACL Terms

- **Incremental ACL (new tariff-defined term)**
  - *The kW value applied to a resource calculated ACL which increases the resource peak load from the Prior Equivalent Capability Period*

- **Shutdown (existing term used in DRIS)**
  - *DRIS term for the kW value of the SCR Change in Status as reported and reflected in DRIS*

- **Monthly Average Coincident Load ("Monthly ACL") (new tariff-defined term)**
  - *Used in the verification procedure for resources enrolled with an Incremental ACL*

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Incremental ACL Terms con't

- **Net Average Coincident Load ("Net ACL") (new tariff-defined term) :**
  - *The effective Average Coincident Load calculated and used by the NYISO for a Special Case Resource during a specific month in which a SCR Change of Status was reported for the resource or, beginning with the Summer 2014 Capability Period, an Incremental Average Coincident Load was reported for the resource.*

Summary of Incremental ACL Changes

- **Enrollment: establishes the conditions under which a resource may be enrolled with an increase to the ACL**

- **Procedures for how a resource will enroll with an increase to ACL**
  - *Modifications to enrollment import file*

- **Testing: additional testing requirements of a resource enrolled with an Incremental ACL**

- **Testing Sanctions: at the resource level for not testing**

- **Verification: of the increase to ACL following the close of Capability Period (Incremental ACL verification data)**

- **Verification Sanctions: at the resource level for failure to report verification data**

Incremental ACL Enrollment Rule: Threshold Requirement

- **Threshold for an increase to ACL is the same as the existing rules for SCR Change of Load and SCR Change of Status**

  - *Resource must have a calculated ACL of 500 kW or greater*

  - *Increase must be greater than or equal to the lesser of*

    - **Thirty percent of the calculated ACL and**

    - **5 MW in the NYC Locality or 10 MW if in any other Load Zone**

  - *A Resource may be enrolled with an Incremental ACL kW value between 20 and 29.99% provided there is no change to its Declared Value*

Incremental ACL Enrollment Rule: Maximum Increase

- **The amount of increase to the resource ACL cannot be greater than 100% of the ACL that has been calculated for the SCR when it first enrolls in the Capability Period**

    - *The ACL is calculated based on the average of the resource's top 20 metered load values that are coincident with the top 40 peak hours, by Load Zone, in the Prior Equivalent Capability Period*

Enrollment Process for a Resource with an Increase to ACL

- ◆ **Similar to Shutdown field on SCR Enrollment Import**

- ◆ **More information contained in Slide Deck 3 – Resource Enrollment**

Performance Testing Requirement for an Increase to ACL

- **When the resource ACL is increased prior to the first performance test in the Capability Period**

  - *Resource will be required to demonstrate its maximum enrolled capability for the Capability Period based on the Net ACL in the first performance test*

- **When the resource ACL and Declared Value are increased after the first performance test in the Capability Period**

  - *Resource will be required to demonstrate its maximum enrolled capability based on the Net ACL, for the portion of the Capability Period in which the Incremental ACL is in effect, in the second performance test in the Capability Period*

  - *Response to the first performance test will be used to measure the maximum enrolled capability prior to enrollment with the Incremental ACL*

  - *Performance in both tests will be used in the calculation of the resource, MP, and Aggregation Performance Factors, and the calculation of RIP Shortfalls*

Additional Concepts for an Increase to ACL

- **A resource ACL may be increased only once per Capability Period**

  - *An Incremental ACL is expected to be the result of an increase that will be in effect for the rest of the Capability Period, not normal load fluctuations from month to month such as weather adjustment or seasonal load variations*

- **A resource enrolled with an Incremental ACL may not enroll with another RIP until the next Capability Period**
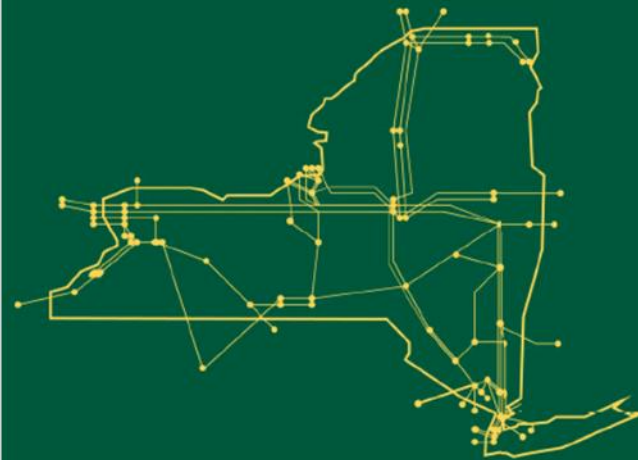
- **A resource enrolled with a Provisional ACL may not use the Incremental ACL to increase its ACL in a Capability Period**

Installed Capacity Manual

- **Deployment related content contained in sections 4.3, 4.4, 4.8 & 4.12 of the ICAP Manual**
  - *Interim Technical Bulletin will be prepared to cover the period while the ICAP Manual changes are being finalized through the stakeholder process*

- **Topics:**
  - *Requirements for Special Case Resources (SCRs)*
  - *Provider Responsibilities*
  - *Participation Requirements*
  - *Enrolling Demand Side Resources*

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