

Aggregation Manual Revisions

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Agenda

- Overview of Proposed Aggregation Manual Revisions
- Proposed Aggregation Manual Revisions
- Next Steps

Overview of Proposed Aggregation Manual Revisions

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- Municipal Electric Utility/TO/Aggregator Agreement
- DSASP/DADRP Language
- DMNC Testing
- Metering & Telemetry
- Updates to Figures
- Ministerial Edits

Proposed Aggregation Manual Revisions

Aggregation Manual: Municipal Electric Utility/TO/Aggregator Agreement

- The NYISO has heard from Transmission Owners and Municipal Electric Utilities who feel there is need for increased Real Time operations coordination in order to support DER facilities within Municipal Electric Utility territory, especially in cases where the DER facility injects.
- Additionally, Aggregators have expressed interest in enrolling DER facilities located within Municipal Electric Utility territories in the DER & Aggregation participation model.
- The NYISO proposes the addition of a new Section 4.4.2 in the Aggregation Manual to support participation of DER facilities in Municipal Electric Utility territory.
 - When enrolling a DER facility located in a Municipal Electric Utility territory, the Aggregator must provide a signed agreement between the Aggregator, Transmission Owner, and Municipal Electric Utility (as the Distribution Utility (DU)) outlining how and ensuring that reliable Real Time Operation of the DER facility will be achieved.

Aggregation Manual: DSASP/DADRP Language

- Removal of references to DSASP and DADRP in Section 4.3.3.
- Section 8 Settlements
 - Section 8.5 DER Demand Response Cost Allocation
 - Transfer of Demand Response Cost Allocation language from DADRP Manual to Aggregation Manual.
 - No changes were made to the language or coefficient values.

Aggregation Manual: DMNC Testing

■ Section 2.2.5 Installed Capacity Market Participation

- Proposed removal of language pertaining to Aggregation System submission of DMNC records for SRT ESR Aggregations, as it is no longer applicable.
 - This is due to a code enhancement in the NYISO Aggregation System.
 - The SRT ESR Aggregation DMNC submission can now be done in a 1-hour format, as described in the ICAP Manual Section 4.2.2.
- Proposed inclusion that when submitting a DMNC record for a DER facility whose capability has contributed to an Aggregation's UCAP in a given Capability Year and is changing to another Aggregation of the same type, the Market Participant should reach out to the NYISO at DER@nyiso.com.

Aggregation Manual: Metering & Telemetry

■ Section 7.3 Telemetry Requirements

- Clarification on requirements for telemetry.
 - The actual load point of an Aggregation is needed for situational awareness for NYISO operations.
- Section 7.3.1 NYISO-Member System Aggregator Telemetry Testing Procedure
 - Clarification on when Aggregation Telemetry and Object IDs will be provided to the Aggregator and Member System.
 - Telemetry and Object IDs will be provided once initial review of the Aggregation's composition is complete.

■ Section 7.5 Economic Customer Baseline Load (ECBL)

- Replacement of NERC holidays with NYISO ICAP Calendar holidays for use in ECBL calculations.

Aggregation Manual: Updates to Figures

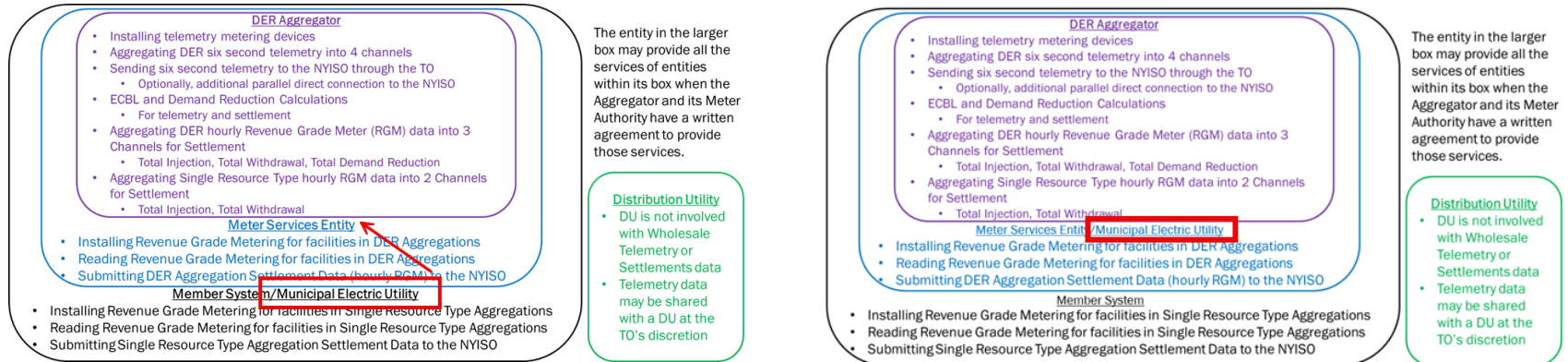
■ Section 6.1 Operating Data Exchange

- Figures 7, 8, 9, 13, 14, 15, 16, 17, 18, 19
 - Replacement of “DGOCP” with “GOCP” in diagrams, resolving a typo.
- Figure 11 Aggregation Flexible Bidding Example
 - Updated to clarify boundaries for incremental bid curve ranges for Aggregation Flexible Bidding.
 - Aggregations bidding as Flexible cannot provide a bid ranging from a withdrawal to an injection. A Flexible bid must be a bid to inject or a separate bid to withdraw.
- Figure 12 Available Aggregation Bid Modes
 - Clarification of available bid modes for Wind, Solar, and Landfill Gas Aggregation types.
 - All SRT IPR Aggregations may only bid ISO-Committed Flexible, as per MST 4.4.1.2.1.

Aggregation Manual: Updates to Figures (cont.)

■ Appendix A

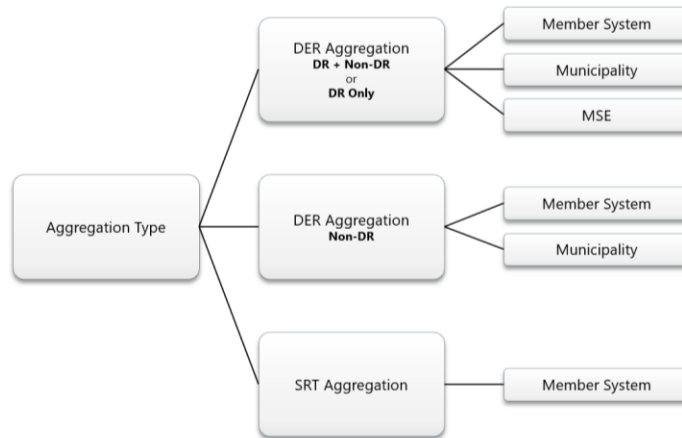
- Figure 1 Metering & Telemetry Data Responsibilities
 - The placement of Municipal Electric Utility in the diagram was shifted to be alongside Meter Services Entity, to accurately reflect their metering and telemetry data capabilities.



Aggregation Manual: Updates to Figures (cont.)

■ Appendix A

- Figure 2 Meter Authority Option depending on Aggregation Type
 - Added Figure 2 to improve clarity regarding Aggregators' options for Meter Authorities dependent on the type of Aggregation.
 - Remaining Appendix A Figure numbering updated to reflect the addition of Figure 2.



Aggregation Manual: Ministerial Edits

- **Section 2.1.1 Distributed Energy Resource**
 - Clarify that a DER Aggregation can be a heterogenous Aggregation or an Aggregation comprised of one or more Demand Side Resources.
- **Section 3 Interconnection**
 - References to NYISO Small Generator Interconnection Procedure (“SGIP”) replaced with NYISO Standard Interconnection Procedure (“SIR”).
 - Addition of references to Attachment HH of the NYISO OATT.
- **Removal of references to Capacity Limited Resources (“CLRs”).**
- **Revisions to improve clarity on acronyms and specific ICAP Manual/ISO Tariff references.**
- **Global edits to grammar, concision, and formatting.**

Next Steps

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- The NYISO will return as needed to a future ICAPWG to further discuss proposed Aggregation Manual revisions.
- The NYISO is targeting a January BIC for stakeholder approval of the Aggregation Manual revisions.
- For questions or feedback, please email DER@nyiso.com.

Our Mission and Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation



Questions?