



JOINT UTILITIES OF NEW YORK

ISO-DSP Coordination

Stakeholder Engagement Session

October 23, 2017



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10/23 ISO-DSP Stakeholder Engagement Agenda

- Introduction
- Overview of Joint Utilities ISO-DSP Working Group
- Operational Coordination between DSP, Aggregator, DER, NYISO
- DSP-Aggregator Agreement for NYISO's Pilot Program
- Dual Participation in Distribution and Wholesale Markets
- NYISO Presentation on DER Roadmap
- Wrap Up and Next Steps



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Additional Resources

- The Joint Utilities shared two draft documents with stakeholders to help facilitate discussion during the session. Both documents are posted on the Joint Utilities website.
 - [Draft DSP Communications and Coordination Manual](#) – This draft is for discussion purposes and is meant to document the Joint Utilities’ ideas regarding data requirements and communications between the DSP, NYISO, DER and DER aggregators in order to facilitate the wholesale DER markets while preserving reliability and power quality.
 - [Draft DSP-Aggregator Agreement for NYISO Pilot Program](#) – This draft outlines the roles, responsibilities, and operational coordination for the DSP and aggregator participating in the NYISO Pilot Program. The DSP-Aggregator Agreement is intended to inform the development of a more complete DSP-aggregator operational agreement for future use.
- NYISO provided an overview of its efforts related to its [DER Roadmap](#). Additional information on NYISO’s DER Roadmap and relevant stakeholder forums can be found [here](#).



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Summary of Stakeholder Input from EG Session



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Key Stakeholder Feedback

Stakeholder Input	Discussion Points	Next Steps
For which types of DER and under what circumstances will the DSP's communications and coordination requirements apply?	<ul style="list-style-type: none"> The types of communication and coordination outlined in the Draft DSP Communications and Coordination Manual will apply to all forms of DER, including DR, DG (e.g., PV), and storage DSP-Aggregator-DER communications and coordination will primarily occur during abnormal circuit configurations when there is a change in the ability for DER to perform In the near term, there is a greater need for the DSP to have visibility into injecting resources larger than 50 kW (as reflected in the JU Monitoring and Control requirements developed through the Interconnection Technical Working Group) Ultimately, the DSP will need to know the mix of DER on a feeder level to ensure the aggregate DER activity does not cause operational problems 	OPEN – The Joint Utilities will continue to assess communications and coordination requirements to preserve distribution system safety and reliability while facilitating DER wholesale market participation. The Joint Utilities Monitoring and Control Working Group will continue to identify future requirements for DER visibility and control.



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Key Stakeholder Feedback

Stakeholder Input	Discussion Points	Next Steps
There should be a mechanism in place for the Aggregator to have insight into distribution system constraints impacting its portfolio of DER	<ul style="list-style-type: none"> The Joint Utilities proposed notifying individual DER of distribution system constraints because: <ul style="list-style-type: none"> With only a notification of which feeder/circuit is constrained, it would be difficult for an Aggregator to determine corresponding impacts to DER in its portfolio There may be privacy concerns with providing Aggregators with personally identifiable information (PII) There may be an opportunity for the DSP to simultaneously notify both the DER and Aggregator of distribution system constraints Some DR aggregators have customers sign a letter of authorization that grants the Aggregator access to customer data In the future, the DSP may develop a portal that would enable the Aggregator to automatically download notifications for its DER if it received prior permission from the DER owner 	OPEN – The Joint Utilities will continue to explore opportunities for notifying Aggregators of distribution system constraints, including what information to provide and the notification mechanism.



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Key Stakeholder Feedback

Stakeholder Input	Discussion Points	Next Steps
How will Aggregator interactions with the DSP and NYISO evolve over time?	<ul style="list-style-type: none"> The current framework proposed by the NYISO allows for optionality whereby communications can (1) go to the NYISO through the DSP or (2) follow simultaneous Aggregator-to-DSP and Aggregator-to-NYISO paths. This is the same framework available to DR aggregators currently. Future evolution of these interactions will be informed by the rate of DER growth, but will ultimately be grounded in what the DSP and NYISO need to preserve system safety and reliability 	OPEN – The Joint Utilities will continue coordinating with the NYISO and stakeholders to determine the most efficient evolution of the communications framework
It would be helpful if non-wires solution (NWS) call windows allow enough time to adjust NYISO bids	<ul style="list-style-type: none"> Call windows will depend on the specific NWS, but the Joint Utilities seek to develop them in a way that, to the extent possible, aligns with the timing of NYISO's bidding schedule 	OPEN – This group will continue coordinating with the Joint Utilities DER Sourcing Working Group to inform future NWS call windows



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Key Stakeholder Feedback

Stakeholder Input	Discussion Points	Next Steps
The Joint Utilities should not only consider what forms of telemetry they require today, but how that may evolve moving forward	<ul style="list-style-type: none">• The Joint Utilities confirmed they have data needs both for operations (i.e., real-time telemetry) and measurement and verification (i.e., after-the-fact metering)• Although the Joint Utilities in the near term do not require real-time telemetry from DR resources, there may be a time in the future where that information becomes necessary• There is a balance between not creating short-term barriers to DER participation by imposing additional data requirements, but at the same time ensuring the DSP has a long-term path forward to have access to the data it needs to preserve system safety and reliability	OPEN – The Joint Utilities continue to explore operational data requirements through the Interconnection Technical Working Group (ITWG)



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Key Stakeholder Feedback

Stakeholder Input	Discussion Points	Next Steps
How frequently does the DSP need to receive updates on individual DER operating status?	<ul style="list-style-type: none"> The Joint Utilities use information on DER operating status to proactively identify any distribution system constraints The Joint Utilities will only need to know when there is a change in a DER's operating status rather than the Aggregator re-confirming the status if it hasn't changed 	CLOSED – The Joint Utilities will revise the related language in its next iteration of the DSP Communications and Coordination Manual
What penalties/uplift mechanisms will NYISO apply to DER participating in the wholesale market?	<ul style="list-style-type: none"> The NYISO continues to explore potential mechanisms and how they relate/differ from current procedures 	CLOSED – This topic will be addressed with stakeholders in the respective NYISO stakeholder forums



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Stakeholder Participation

Name(s)	Company	In Person / Phone
Benjamin Mandel	City of NY	In Person
Christopher Wentlent	Constellation New Energy	Phone
Erin Hogan	Dept. of State Utility Intervention Unit	Phone
Tammy Mitchell, Chris Graves	NY DPS	Phone
Ronny Sandoval	EDF	In Person
Greg Geller	EnerNOC	In Person
Travis Arnce	ENGIE	Phone
Becky Wingenroth	EPRI	Phone
Sneha Ayyagari	NRDC	Phone
Kelli Joseph	NRG	Phone
Bill Acker	NY-BEST	Phone
James Pigeon, Michael Lavillotti	NYISO	In Person
Greg Campbell, Vijaya Ganugula, Michael Ferrari	NYISO	Phone
Schuyler Matteson, Michael Razanousky	NYSERDA	Phone
Roni Epstein	PACE Energy & Climate Center	Phone
Scott Kohler	Schneider Electric	Phone



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