



JOINT UTILITIES OF NEW YORK

Day Ahead Operating Plan (DDAOP)

May 23, 2023

NYISO ICAP Working Group Meeting

Day Ahead Operating Plan (DDAOP)

- This presentation is a continuation of the discussion between DU's and stakeholders on 11/08/22 where the JU took an action item to come back to Stakeholders with additional details on format and communications.
- The DDAOP provides DERA granular DER dispatch data to the Distribution Utility (DU) for DER participating in the NYISO wholesale market, either individually or through an aggregator, which is required to ensure safe and reliable operation of the electric system.
- [Link to JU website which contains the DER Granular Dispatch Data Whitepaper \(jointutilitiesofny.org\)](http://jointutilitiesofny.org)
- From a DERA perspective the development of the DDAOP and utility submittal will be uniform in format.

DDAOP Format

- The format of the DDAOP will follow the same format of the NYISO DAOP with some additional information to help define the resource.
- This data is not expected to be more than an aggregator would need to assemble in order to develop a bid for the aggregation. i.e. understanding each resource's role in meeting an hourly NYISO wholesale DERA bid.
- The JU aim to provide a link to a public web site containing data submission templates for Aggregator access – this presentation will be reposted when available.

Gmt Ltz(Date Hr)	Station Na	Gen Name	SubZone Name	Upper Op	Minimum	Energy	Regulator	Min10 Spi	10Min No	30Min Spi	30Min No	Forecast R	Gen Ptid	Facility ID
01-Jan-2022 00	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 01	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 02	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 04	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 05	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 06	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
01-Jan-2022 07	Station A	GenA	NMPC Central	10	1	4		0		0		0	12345	1111111
...
01-Jan-2022 23	Station A	GenA	NMPC Central	10	1	1.5		0		0		0	12345	1111112
01-Jan-2022 00	Station A	GenA	NMPC Central	10	1	1.5		0		0		0	12345	1111112
01-Jan-2022 01	Station A	GenA	NMPC Central	10	1	1.5		0		0		0	12345	1111112

DDAOP Communication & Coordination Timeline

The communication of the DDAOP file will be as follows:

- The DERA will make the file available to the responsible DU according to that DU’s method of collection
- The DU will use the data to analyze the system impacts. If issues are identified the DU will contact the DERA to review and resolve the issue. E.g., redispatch resources to meet bid, derate the aggregation, etc.
- If there are several issues, the DU reserves the right to request an updated DDAOP from the Aggregator.

Section	Time	Description
2.3.1.	Until 3:00 PM Two Days Before Dispatch	The Distribution Utility and/or Transmission owner shall notify the DER/Aggregator of planned distribution and/or transmission system maintenance that may impact operations
2.3.2.	Up to 14 Days Prior and Until 5:00 AM on the Day Before Dispatch	Aggregator may submit and update Day-Ahead Market Bids through the NYISO’s Market Information System.
2.3.3.	By 11:00 AM on the Day Before Dispatch	NYISO will provide Aggregators with Day-Ahead Schedules for its Aggregation(s). Per existing processes, the NYISO shall also provide each Transmission Owner with its Day-Ahead Operating Plan.
2.3.4.	By 12:00 PM on the Day Before Dispatch	An Aggregator shall communicate the schedules of the individual DER it intends to dispatch to meet its Day-Ahead Market Schedule to the Distribution Utility.
2.3.5.	After 12:00 PM and No Later than 10:00 PM on the Day Before Dispatch	The Distribution Utility may review each Aggregator’s submitted dispatch plan.

National Grid DDAOP Process – Day 1 of Operations¹

- Aggregators shall upload their DDAOP to a National Grid SharePoint
 - The file name must include the DDAOP date and Aggregation ID
 - The Gen PTID used in the file must match the aggregation's NYISO ID (from the application file)
- Aggregators will be provided with individual-level credentials
 - Service/Machine access is not permitted at this time
 - These credentials shall confer access to see only the DDAOPs the aggregator has uploaded
- If there is an issue with the file provided on a given day, The Aggregator will be contacted by the respective NG Control Room (i.e. via phone or email)
 - The NG Control room operator will also review each DDAOP to ensure there is not conflict with planned maintenance/emergency works and abnormal circuit configurations that may affect the operation of any DER expect to be part of the aggregated dispatch the next day
 - In the event of data issues (incorrect bid format, malformed IDs, etc.), the aggregator will be required to re-upload the file with the data issues addressed for the DDAOP to be considered submitted.
 - In the event of system impact or concerns with the submitted schedule, the requirement to re-upload the file with the updated schedule will be determined by the Control Room Operator. If the system impact is limited to one DER, re-upload will likely not be required
 - Initially, any outreach related to discrepancies between the DAOP and the DDAOP will be handled manually on a case by case basis
 - In all circumstances, the Control Room Operator will communicate if the DDAOP will need to be re-uploaded

¹This method of collecting the DDAOP is subject to change over time; SharePoint is the Day 1

Other JU Companies' DDAOP Processes – Day 1 of Operations

- Con Edison, Orange & Rockland Utilities, Central Hudson, and Avangrid each expect to implement processes to receive and utilize granular DER dispatch data for DER participating in the NYISO wholesale market, either individually or through an aggregator.
- It is the utilities' intent to create a uniform process as described in this slide deck (e.g., similar data types, transmittal methods, etc.)
- Each JU member Distribution Utility will require that a Day Ahead Operating Plan be submitted beginning on Day 1 of operations.



Appendix

- The Joint Utilities will post today's discussion slides with prior NYISO DER Aggregation Market and FERC 2222 discussion materials at <https://jointutilitiesofny.org/about/stakeholder-information>.

View the JU [DER Granular Dispatch Data Whitepaper](#), which provides background on day-ahead information sharing requirements for the NYISO DER participation model between DER participating in the NYISO wholesale market either individually or through an aggregator and Utility required to ensure safe and reliable operation of the system.

On **August 30th 2022**, the Joint Utilities hosted a stakeholder session to review the telemetry requirements for communication between Aggregators and DU/TOs regarding the implementation of the NYISO's DER Participation model. View the [presentation deck](#) or [recorded webinar](#).

On **April 29th 2022**, the Joint Utilities hosted a stakeholder workshop with the Aggregator community and other interested parties to review the distribution utilities' plans to support the implementation of the NYISO's DER Participation model, including the FERC 2222 tariff revisions. These market innovations will entail the opening of the wholesale markets to aggregated resources, including generation and load reduction, located on the distributed system. View the [presentation deck](#) or [recorded webinar](#).

