

JOINT UTILITIES OF NEW YORK

DISTRIBUTED SYSTEM PLATFORM (DSP) ENABLEMENT QUARTERLY NEWSLETTER

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Potential Changes Coming to the Distributed System Implementation Plans (DSIPs)

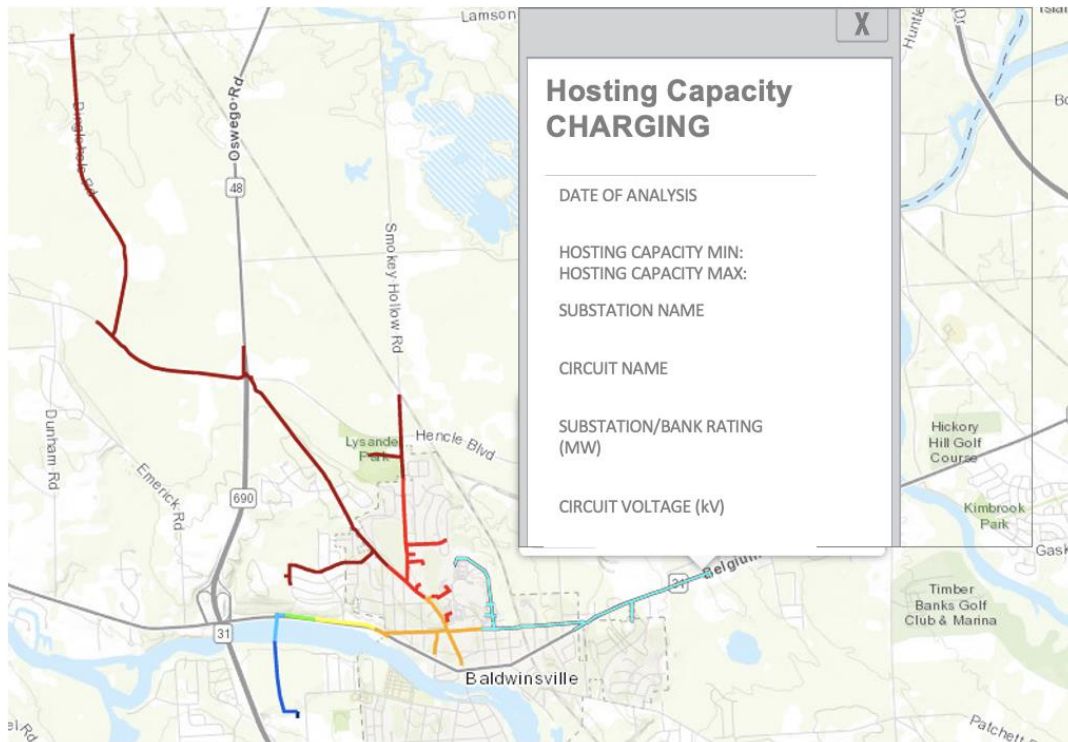
Every two years, Distributed Systems Implementation Plans (DSIPs) are filed by each company among the Joint Utilities of New York. The DSIPs provide updates on Distributed System Platform (DSP) functions as well as actions and advancements related to the Reforming the Energy Vision (REV) proceeding and state policy goals, such as those provided in the Climate Leadership and Protection Act (CLCPA). The 2020 DSIPs can be found on the Joint Utilities [website](#). The Joint Utilities were initially scheduled to file the 2022 DSIPs in June but – in consultation with Department of Public Service (DPS) Staff – have filed for an initial extension to December 31, 2022 to allow Staff to collaborate with stakeholders regarding transmission planning in Case 20-E-0197 with the goal of aligning the DSIPs to transmission and distribution planning efforts.

As the next round of DSIP filings approaches, the companies will continue to actively reach out to stakeholders through stakeholder meetings, webinars, and through this newsletter. We want to make sure that the DSIP filings are just one part of an interactive, ongoing conversation among utilities, stakeholders, and regulators about how we can work together to achieve New York policy goals. We strongly encourage stakeholders to send us feedback to help us to advance our thinking and so that we may provide informative, useful documents. You can reach out at info@jointutilitiesofnewyork.org.

Stage 1 of the Storage Hosting Capacity Maps to be Published Soon

The Joint Utilities of New York have collaborated with stakeholders for the past five years to determine which hosting capacity features. Most recently, the Joint Utilities held a stakeholder meeting in November 2021 to finalize plans for Stage 1 of the Hosting Capacity Map for storage, which will roll out between April and May 2022.

At this stage, the map will provide data at the feeder-level, be updated on an annual basis, and will allow for toggling between load and generation hosting capacity. Below is an illustrative example of the charging view in Stage 1.



Beyond working to release Stage 1, the companies are addressing longer-term stakeholder requests, including discussion on items such as load profile case displays, seasonality and more. The Joint Utilities are hopeful that they may be able to provide further granularity prior to Stage 2. The Joint Utilities are grateful to all the stakeholders who continue to work with us, providing input and help as we refine our plan in a way that best meets their needs.

The Joint Utilities Address Developers' Concerns Regarding Voltage Flicker

The Joint Utilities continue to work with stakeholders and DPS Staff to enhance the Coordinated Electric System Interconnection Review (CESIR) process, an extremely important part of getting DER connected to the grid. The CESIR is a comprehensive engineering study that evaluates the impact of a proposed distributed generation interconnection to the utility distribution system. The CESIR determines what equipment upgrades, if any, will be required to host proposed projects and it provides developers with estimated costs for interconnection.

To more accurately reflect potential voltage flicker impacts of solar PV projects, the Joint Utilities have worked with EPRI and Pterra Consulting to develop a new equation that will be adopted into the existing voltage flicker screen test in the CESIR. This equation will also be used in the interconnection supplemental screen (Screen H) of the New York Standardized Interconnection Requirements (SIR).

By adopting this new approach, the Joint Utilities believe that the process will lead to fewer projects failing the voltage flicker screen. In other words, we think our new approach will mean more projects will pass the screens and be interconnected to the grid, which will be better for developers, customers, and achieving state policy goals.

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To better match the developers' intended use cases for energy storage applications, the Joint Utilities are also working with industry members to enhance the CESIR study processes for energy storage systems with multiple operational setpoints over varying annual time periods. We are looking forward to bringing similar benefits to this process soon.

The Joint Utilities Continue to Work on Rolling Out Smart Inverter Functionality

Advancements in inverter technology have resulted in the development of “smart” inverters. Smart inverters enable two-way communication between the grid and utility control centers and can facilitate utilities to remotely read data from distributed resources. They are also programmed to provide automated support functions in response to changing electrical parameters (such as voltage and frequency) on the grid. Smart inverters could thus help to preserve grid resiliency and reliability during unforeseen events, provide better continuity of service for customers, and aid in improving field situational awareness for utilities.



The Joint Utilities continue to test and roll out effective ways to utilize this technology via their Smart Inverter Roadmap. The Smart Inverter Roadmap provides a pathway for the utilities to achieve more standardization of smart inverter settings. Getting settings better aligned across the Joint Utilities will benefit both developers and customers, saving time for device manufacturers and

project developers since inverter setpoints may not need modifications in the field.

The Joint Utilities have determined bulk power system (BPS) and voltage support settings for smart inverters and are developing a timeline to implement these unattended smart inverter settings in their service territories. To do so, the utilities have been coordinating with the NYISO, equipment manufacturers, and other stakeholders.

Going forward, the utilities are discussing the appropriate mechanisms and documentation to make the settings publicly available to industry members and stakeholders. The companies will also begin discussions on monitoring requirements for inverters to acquire data from DERs.

The Joint Utilities Involve Stakeholders in FERC 2222 Integration

FERC Order No. 2222 (FERC 2222) opens regional wholesale electricity markets to aggregated DERs. By enabling more actors to participate in the market, FERC 2222 increases competition, which could lead to innovation and lower costs for consumers. Through market incentives, the order may also shape the use of DERs in a way that enhances grid flexibility and resilience.

Complex system changes are necessary in order to realize this vision. New York's distribution utilities are critical partners in this process, as resources located on the local distribution system will now be participants in NYISO's wholesale markets. As such, the Joint Utilities have identified several issues to be addressed through a multi-lateral stakeholder engagement process prior to the implementation of FERC 2222. These issues

include registration and enrollment of resources and aggregations, operational coordination and metering, telemetry, and settlements.

The Joint Utilities have taken a three-pronged approach to working with stakeholders on these questions.

First, the Joint Utilities are collaborating with the NYISO to implement the NYISO participation model for DERs in Q4, 2022. Together, the Joint Utilities and NYISO have initiated a series of workshops with DPS Staff to document the processes and procedures required within existing and new NYISO guidelines. The first of these workshops was held on March 1st and addressed operational coordination between the NYISO and the distribution utilities.



Second, the Joint Utilities have initiated separate discussions with Staff to develop certain processes – such as a NYPSC process for resolving disputes pertaining to DER registration – that require collaboration.

Third, to ensure that the input of the DER community is appropriately heard and addressed, the Joint Utilities will host one or more workshops for Spring 2022.

The workshops provide a venue (with NYISO/DPS participation) for a productive dialogue on utility processes and procedures related to DER integration in the NYISO's wholesale markets.

The Joint Utilities are grateful for the continued collaboration and coordination between the NYISO, Staff, and developers without which FERC 2222 integration would not be possible.

The Joint Utilities Continue to Collaborate on State Data Sharing Initiatives

The Joint Utilities are committed to sharing relevant information with customers and developers to advance New York's clean energy goals. The Joint Utilities continue to collaborate in various venues with NYSERDA, DPS Staff, and stakeholders to define data

use-cases that provide value and to push forward the process of creating a robust and dynamic source of information for everyone.

As NYSERDA moves forward with the Integrated Energy Data Resource (IEDR) and the modifications to the Utility Energy Registry (UER), the utilities continue to join working meetings to support the design and implementation process. Each utility filed the IEDR Q4 2021 report on January 31, 2022, under [Case 20-M-0082](#). Each utility continues to make internal changes to prepare for IEDR implementation. Once the first use cases for Phase 1 are confirmed by NYSERDA, the Joint Utilities will focus on setting up the processes to systematically collect the data and transfer it over to the IEDR with the appropriate legal and privacy considerations.

On February 28, each utility also submitted responses to the [Notice of Utility Data Requirements \(UDR\)](#) issued by NYSERDA on February 7, 2022. The UDR requested an approach to deliver preliminary data elements to the IEDR by May 2022. While the Joint Utilities are fully supportive of sharing useful information to achieve New York's clean energy goals, customer privacy and cybersecurity must also be given careful consideration. As such, the utilities are coordinating additional discussions with DPS Staff and NYSERDA to put in place the necessary mechanisms consistent with New York privacy laws and regulations.

For more information regarding the data proceeding, visit:

- [Case 20-M-0082](#) Proceeding on Motion of the Public Service Commission Regarding Strategic Use of Energy Related Data
- [NYSERDA IEDR website](#).

Utilities Promote Electric Vehicle (EV) Deployment through the Make-Ready Program

The goal of the Electric Vehicle ("EV") Make-Ready Program ("EV Make-Ready Program") is to support the development of electric infrastructure and equipment necessary to accommodate an increased deployment of EVs within New York State by reducing the upfront costs of building charging stations for EVs.



Make-Ready Program 2021 Annual Reports

The July 2020 Make-Ready Order requires the Joint Utilities to file an annual report by March 1 of each year. To give Make-Ready Program participants and the utilities more time to deliver complete data, the Public Service Commission approved a 45-day extension to the filing deadline. With the extension, the Joint Utilities will file their 2021 annual reports by April 15, 2022. Annual reports and related program filings can be found on the [DPS website](#) under Case Number: 18-E-0138.

Approved Contractor and Customer Resources

The Joint Utilities make resources available that help customers and contractors get useful information faster and participate in the Make-Ready Program more easily. Customers looking to install EV charging stations through the MRP can find information on the Joint Utilities website regarding [program eligibility](#) and find an [Approved Contractor](#). Contractors looking to perform EV charging equipment installations under the MRP can apply to become an Approved Contractor and have their business information listed on the Joint Utilities website.

For more information on how to participate in the MRP, contact info@jointutilitiesofny.org or visit your utility's MRP landing page listed below.

Upcoming Make-Ready Webinars

Central Hudson, Con Edison, and National Grid offer regular webinars and office hours for customers and contractors participating in the Make-Ready Program to learn about available incentives, share best practices, to speak directly with your utility's EV charging experts. If you are interested in attending an upcoming utility program webinar, please email the utilities using the contact information provided in the table below for more information.

Utility	Email	Website
Central Hudson	EVMakeready@cenhud.com	<u>Electric Vehicle Make-Ready Infrastructure Program</u>
Con Edison	EVMRP@coned.com	<u>Electric Vehicle PowerReady Program</u>
National Grid	EVNationalGridUNY@nationalgrid.com	<u>Electric Vehicle Charging Station Programs</u>
NYSEG	EVPrograms@nyseg.com	<u>Electric Vehicle Charger Make-Ready Program</u>
RG&E	EVPrograms@rge.com	<u>Electric Vehicle Charger Make-Ready Program</u>
Orange & Rockland	ev@oru.com	<u>Electric Vehicle Make-Ready Program</u>



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