

JOINT UTILITIES OF NEW YORK

DISTRIBUTED SYSTEM PLATFORM (DSP) ENABLEMENT QUARTERLY NEWSLETTER

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DSIP Filings Coming This Summer

Every two years, each of the companies among the Joint Utilities of New York (JU) files Distributed System Implementation Plan (“DSIP”). The DSIPs provide updates regarding the implementation of Distributed System Platform (“DSP”) functions and the utilities’ overall approach to advancing the objectives of the Reforming the Energy Vision (“REV”) Proceeding and other state goals including the Climate Leadership and Community Protection Act (“CLCPA”). The 2020 DSIPs are available on the Joint Utilities website here.

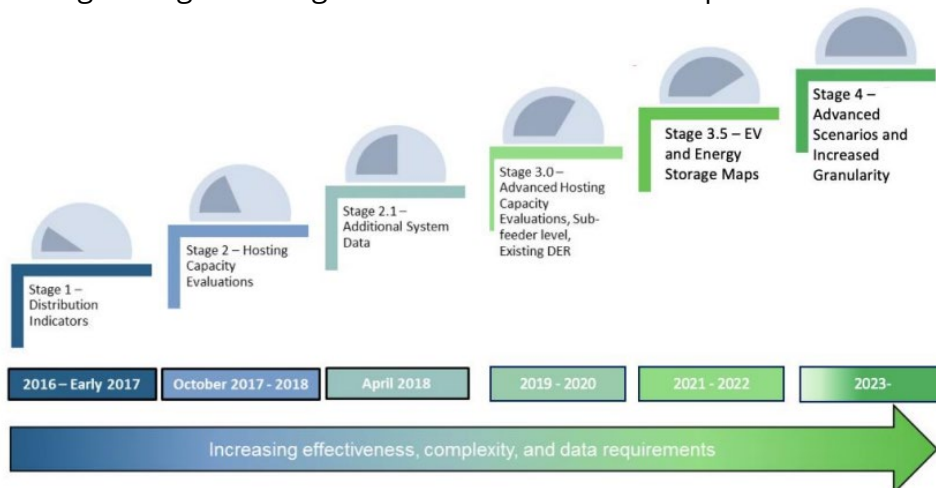
The next DSIPs will be filed June 30, 2023. While the Joint Utilities typically file DSIP filings every two years, the June 30 date will mark three years. This is because the Joint Utilities filed a request for extension of the 2022 DSIP Updates to June 30, 2023 based on continuing consultation with Department of Public Service (DPS) Staff and the need to collect stakeholder input and align the DSIP process with the local transmission and distribution planning process initiated in the Proceeding on Motion of the Commission to Implement Transmission Planning Pursuant to the Accelerated Renewable Energy Growth and Community Benefit Act in Case 20-E-0197. Further DSIP Guidance was provided this year from Staff this year, including the addition of new topical areas.

As we prepare for the upcoming filing, we continue to encourage stakeholders to send us ongoing feedback at info@jointutilities.org

Hosting Capacity Map Functionality Updates are Here

Overview

Hosting capacity is an estimate of the amount of DER that may be accommodated without adversely impacting power quality or reliability under current configurations and without requiring infrastructure upgrades. Each of the Joint Utilities (JU) currently shares a PV Hosting Capacity Map and a Storage Hosting Capacity (HC) Map. Since 2016, the JU has been progressing through the stages of an overall HC Roadmap shown below.



April Updates!

This April, each of the Joint Utilities is updating their HC maps to provide the following:

- Sub Feeder Level for Storage HC Map
- Nodal Constraints (Criteria Violations) on PV and Storage HC Maps
- The amount of DG Connected Since Last HCA Refresh
- Cost Share 2.0 Order Items as shown below

- **Substation.**

A planned upgrade's location

- **Hosting Capacity Upgrade.**

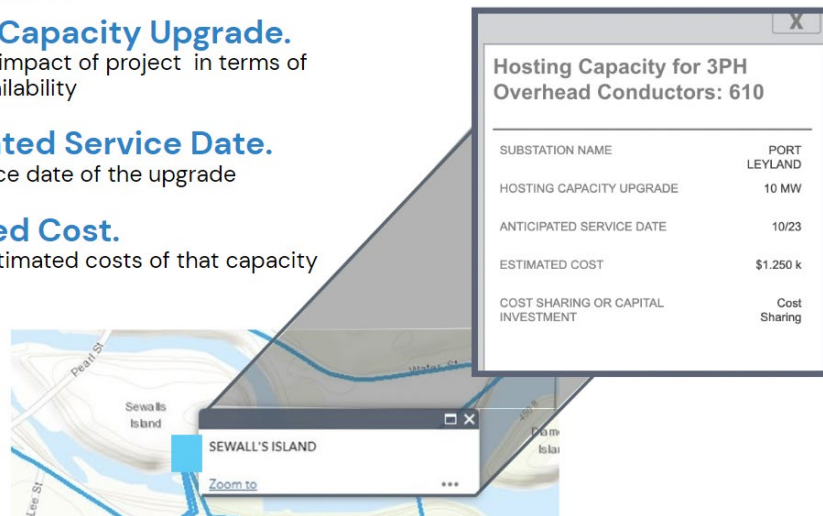
Anticipated impact of project in terms of capacity availability

- **Anticipated Service Date.**

The in-service date of the upgrade

- **Estimated Cost.**

Known or estimated costs of that capacity



The JU is also providing the following information:

- More frequent (Six-month) Update for Circuits that have an Increase in DG > 500kW on the PV Hosting Capacity Maps
- Links and/or instruction to access 8760 data
- Updated storage HC data will be made available via the API

Upcoming Stakeholder Session

Consultations with stakeholders to get feedback and ideas for new enhancements are integral to the roadmap. The JU will host a stakeholder session at the end of May to garner feedback about the new HC updates, share instructions for use of the HC maps, and discuss next steps. The date of this stakeholder session is TBD. The stakeholder session will be posted on the stakeholder calendar at the bottom of [this webpage](#). At this time, the utilities will also share a guidance document sharing assumptions, definitions, etc., as well as answer frequently asked questions.

Next Steps

To better link the HC Maps to the CESIR and SIR, the JU invites stakeholders to collaborate with the Interconnection Technical Working Group (ITWG). The ITWG will consider

developer use cases for interconnection and some of these use cases will be reviewed for inclusion in future Storage capacity map updates.

To stay updated on all things related to Hosting Capacity and access the individual utility map portals, click [here](#). Your feedback and participation enable the JU to deliver more useful system data outputs and to develop the DER marketplace more rapidly.

Information Sharing Leaping Forward

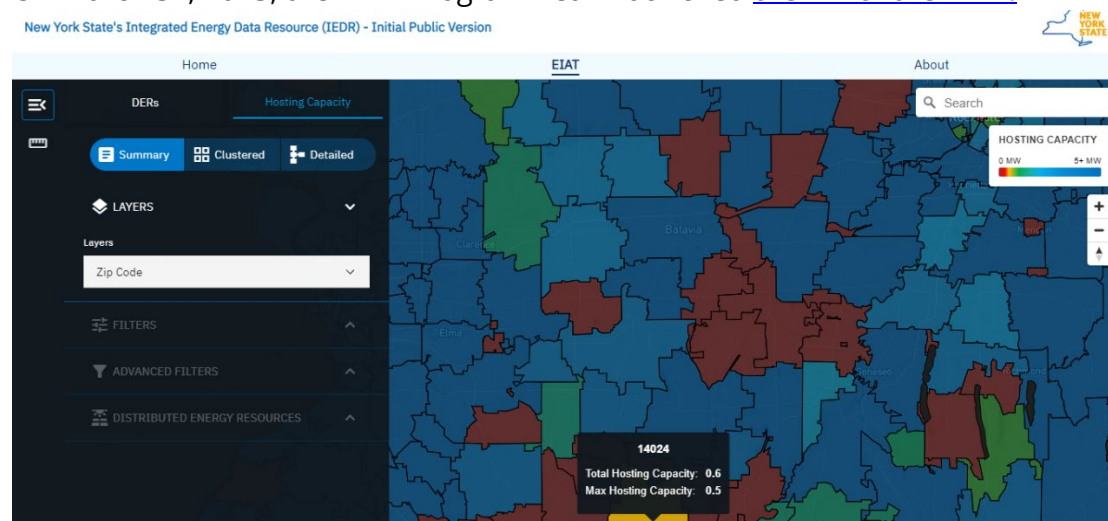
Utilities Look Ahead to the Next Chapter of IEDR

On February 11, 2021, the New York Public Service Commission (PSC) issued an Order approving the design and implementation of a statewide Integrated Energy Data Resource (IEDR) Platform. For the past two years, the Joint Utilities of New York have been collaborating with the Department of Public Service (DPS) Staff, the New York State Energy Research and Development Authority (NYSERDA), as the Program Sponsor, the IEDR Program Team, and the IEDR Development Team - comprised of seven vendors contracted by NYSERDA. As part of the collaboration with DPS Staff, NYSERDA, and its vendors, the Joint Utilities have participated in the Utility Coordination Group (UCG), meeting regularly to implement Phase 1 of the IEDR.

This quarter, the Joint Utilities have been working with NYSERDA and the IEDR Development Team to transfer publicly available data sets necessary to test and launch the Initial Public Version (IPV) of the platform. Three use cases will be published with the IPV:

1. Installed DERs
2. Planned DERs
3. Consolidated Hosting Capacity Maps

On March 31, 2023, the IEDR Program Team launched [the IPV of the IEDR](#).



The Joint Utilities now look forward to developing the Minimum Viable Product (MVP) portion of the IEDR Phase 1. The MVP will focus on five additional use cases targeted for deployment by Q4 2023, including:

- DER Siting
- Enhanced Hosting Capacity & DER Maps
- NYS Customer Billing Data
- NYS Rates & Tariff Data

On December 1, 2022, the Joint Utilities filed a Petition for clarification seeking commission direction regarding the direct sharing of protected customer data with the IEDR platform administrator. In February/March 2023, the Joint Utilities received three stakeholder comments on this petition from [NYSERDA](#), the [Alliance for Clean Energy New York and Advanced Energy United](#), and [the City of New York](#). The utilities and stakeholders await the PSC ruling on the petition.

Relatedly, the Joint Utilities continue to prepare and discuss the necessary legal agreements to work with NYSERDA, the IEDR Program Team, and IEDR Development Team to protect customer privacy and mitigate cybersecurity risks.

On September 15, 2022, [the New York PSC responded](#) to a separate Joint Utilities Petition seeking clarification and/or rehearing of certain accounting-related issues associated with the IEDR Order (dated March 15, 2021). As part of this ruling, each utility was to publish an annual report providing additional details regarding the costs incurred by each utility to implement Phase 1 of the IEDR. Each utility filed its IEDR Utility Budget Progress Report by March 1, 2023. In addition, each utility filed its IEDR Q4 2022 report by January 31, 2023. The utility filings can be found under [Case-20-M-0082](#) Proceeding on Motion of the Public Service Commission Regarding Strategic Use of Energy Related Data.

Preparing for the NYISO's DER Market Launch in June

FERC Order No. 2022 (FERC 2222) and the associated 2020 tariff enable distributed energy resource (DER) aggregations to participate in the wholesale electricity markets. Several DERs can be aggregated to satisfy minimum size and/or performance requirements that resources may not meet individually. The 2020 Tariff Filing along with the FERC 2222 filing will enable benefits including lower costs for consumers through enhanced competition, more grid flexibility and resilience, cleaner energy and more innovation within the electric power industry.

The Joint Utilities continue to make progress on readiness activities pertaining to the NYISO DER Market Participation Model Launch (DER market launch), for which enrollment is scheduled to begin in June. The Joint Utilities continue to join bi-weekly workshops with the NYISO and PSC to advance market readiness by resolving topics pertaining to DER participation. In the last quarter, the Joint Utilities have collaborated on the following items:

- Aggregation manual language
- Registration and enrollment processes
- Telemetry and metering roles and responsibilities
- NYISO tariff changes
- Other 2023 milestones

The PSC approved the proposed tariff changes and the Joint Utilities' plans to file with FERC in May. The Joint Utilities made changes to the retail tariff to allow for dual participation while precluding duplicative compensation. The Joint Utilities also introduced a new tariff (Wholesale Value Stack – WVS) that allows qualifying DER customers to receive compensation payments for energy and capacity from the NYISO while still receiving value stream payments from the utilities for Community Credit, E-value, DRV, and LSRV payments. The group is now working to filing bidirectional Wholesale Distribution Tariffs (WDS) with FERC by 5/1. JU SME meetings began yesterday.

Separately, the Joint Utilities have been putting into place processes and procedures that will support the DER market launch and transition participating customers to the appropriate metering and tariffs, including DER Aggregator information pages or portals. Additionally, the Joint Utilities appear on and support NYISO working groups, such as the MIWG / ICAPWG, as needed.

Joint Utilities Continue Activities Regarding the Rollout of IEEE 1547-2018 Compliant Inverters

As noted in past newsletters, the JU have been collaborating with stakeholders and Staff to prepare for the rollout of UL 1741-Supplement B (SB) certified and IEEE Standard 1547-2018 compliant inverters. To aid in this transition, the JU have undertaken several activities, including edits to the New York Standardized Interconnection Requirements (SIR), the publication of a FAQ [document](#), and the publication of a document with links to each utility's preferred [settings](#) for inverter – based DER.

Additionally, the JU are continuing to collaborate with EPRI on the development of a standard template for the sharing of inverter settings between developers and individual utilities at the time of project commissioning. The goal of this tool is to save inverter settings for individual projects in spreadsheets for easy access and retrieval, which will in turn aid in tracking the characteristics of individual sites. In future, this spreadsheet could

be used to directly upload or download settings from individual inverters. However, this advanced functionality is still under research and development and not yet ready.

Joint Utilities Take Steps to Facilitate Storage Interconnections

Simultaneously, the JU are working collaboratively with developers to explore options for facilitating diverse use cases and applications for battery energy storage systems (BESS) assets and to increase their penetration on the distribution system. The JU have formed a sub-group to discuss this topic on an ongoing basis with stakeholders and state regulatory staff. The JU's work with developers includes discussions on the provision of hourly load data so that BESS can be sized appropriately, providing information on operational restrictions for specific feeders and substations, provisions associated with the shifting of operating windows and use cases, and potential ways to align BESS operating windows with time periods that could provide developers and their storage assets with the most economic value. The JU and developers are in the very initial stages of exploring a phased approach to enabling progressively more complex operational controls and technology to orchestrate storage assets, including the future role of DERMS and active communications to more dynamically control BESS and adjust operating windows as required.

Electric Vehicles: Joint Utilities EV Programs are Growing Statewide

EV Make-Ready Program – Midpoint Review

The JU filed their 2022 Annual Reports for the EV Make-Ready Program on March 1. Also on March 1, Staff issued a [Whitepaper](#) on the Midpoint Review of the EV Make-Ready Program. As the next step in the Midpoint Review process, the Whitepaper outlines recommendations based on stakeholder comments on the program submitted during the review period, which commenced in October 2022. Staff recommended modifications to the Make-Ready Program in regard to various aspects of the program, including adjusting plug targets due to increased demand for faster public charging; adjusting program budgets based on observed project costs from the first half of the program; and adding new programs for projects in disadvantaged communities, among other recommendations. Staff held a technical conference summarizing the contents of the Whitepaper on March 23 and indicated further subject specific technical conferences to be announced. Public comments on the Whitepaper are due on May 15, 2023 before a Commission Order is expected in early fall.

JU's 60-Day Filing per the EV Rate Design Order

As part of the Commission's Order [Establishing Framework For Alternatives To Traditional Demand-Based Rate Structures](#) on January 19, customers will soon have rate and non-rate operating cost relief options including a 50% demand charge rebate, upstate and downstate commercial managed charging programs, an EV phase-in rate, which begins as a time-of-use rate and transitions to a demand charge as charging station utilization increases. The JU submitted their 60-day filing on March 20 outlining implementation plans and are preparing for the 180-day filing required by the Order. As part of this Order, the remaining funds for the DCFC Per Plug Incentive Program will be repurposed for other demand management solutions. As of March 20, the utilities are no longer accepting new applications for the DCFC Per Plug Incentive Program.

Submetering Accuracy Technical Standards Working Group

As part of the Residential Managed Charging Order, the JU are participating in a Technical Standards Working Group (TSWG) to investigate the accuracy of EV telematics and EV chargers for use as alternative submeters for EV load. On January 10, the JU filed their proposal for an accuracy testing protocol to be implemented through October 2024. The JU is conducting significant stakeholder outreach to initiate this effort and continues to convene with DPS Staff through the TSWG to finalize and implement the proposed research effort.

Approved Contractor List Changes

With the introduction of the utilities' Residential Managed Charging Programs, the Joint Utilities expanded the existing EV Program Contractor List. The list now includes contractors who are approved to perform commercial-scale installations of EV charging infrastructure under the existing EV Make-Ready Program and contractors who are qualified to perform residential EV charging installations for customers interested in taking advantage of their utility's managed charging program. Qualified contractors may apply to be listed on the JU website while users searching for a contractor for either program will be able to filter the list to display the contractors that meet their needs.

Tools and Informational Sources

<p>Advanced Forecast</p>	<p>Joint Utilities Joint Utilities: Overview of Currently Accessible System Data Joint Utilities: Load Forecasts Joint Utilities: Historical Load Data</p>				
<p>Beneficial Locations</p>	<p>Joint Utilities Joint Utilities: Beneficial Locations</p>				
<p>Customer Data</p>	<p>Central Hudson Central Hudson: Privacy Policy</p>	<p>Con Edison Con Edison: Customer Energy Data</p>	<p>National Grid National Grid: NY System Data Portal</p>	<p>NYSEG RG&E NYSEG: Your Energy Data</p>	<p>O&R O&R Information on Requesting Aggregate Whole Building Data O&R Energy Service Company EDI O&R New York Rates and Tariffs O&R Share My Data</p>
<p>DER Integration & Inter-connection</p>	<p>Joint Utilities Joint Utilities: Distributed Generation Joint Utilities: Interconnection Joint Utilities: SIR Pre-Application Information</p>				
	<p>Central Hudson Central Hudson: Distributed Generation Homepage Central Hudson: Interconnection Queue</p>	<p>Con Edison Con Edison: Private Generation Energy Sources</p>	<p>National Grid National Grid: Systems Data Portal National Grid: Interconnection</p>	<p>NYSEG RG&E A Developer's Guide to the NYSEG/RG&E Interconnection On-line Application Portal NYSEG - Online Portal RG&E - Online Portal NYSEG - Queue RG&E - Queue SIR Inventory requests: NYRegAdmin@avangrid.com</p>	<p>O&R O&R: Distributed System Platform O&R Private Generation Energy Sources</p>

Energy Efficiency	Central Hudson Central Hudson: Energy Efficiency	Con Edison Con Edison: Energy Star	National Grid National Grid: Energy Savings Programs	NYSEG RG&E NYSEG: Smart Energy RG&E: Energy Efficiency Incentives	O&R O&R: Energy Efficiency Rebates
Energy Storage	Central Hudson Central Hudson: Projects	Con Edison Con Edison: Energy Storage	National Grid National Grid: Battery Programs	NYSEG RG&E NYSEG RG&E: Energy Storage Service Agreement	O&R O&R Private Generation Tariffs
EV Integration	Joint Utilities Joint Utilities: EV Programs Joint Utilities: Approved Contractor List with New Filter Capabilities				
	Central Hudson Central Hudson: EV Homepage	Con Edison Con Edison: Electric Vehicles	National Grid National Grid: Upstate NY Electric Vehicles Hub	NYSEG RG&E NYSEG: Electric Vehicles RG&E: Electric Vehicles	O&R O&R Electric Vehicles Information O&R Electric Vehicle Guest Drive Event Video
Hosting Capacity	Joint Utilities JU Utility Specific Hosting Capacity				
	Central Hudson Central Hudson: Hosting Capacity Maps	Con Edison Con Edison: Hosting Capacity	National Grid National Grid: ESRI Portal	NYSEG RG&E NYSEG/RGE Hosting Capacity Map	O&R O&R Hosting Capacity and System Data
NWAs	Joint Utilities Joint Utilities: Utility-Specific NWA Opportunities				
	Central Hudson Central Hudson: NWAs	Con Edison Con Edison: Non-Wires Solutions	National Grid National Grid: NWA	NYSEG RG&E NYSEG - Non-Wires Alternatives RG&E - Non-Wires Alternatives	O&R O&R NWA Opportunities Non-Wires Alternatives Opportunities Portal

Progressing the DSP

Joint Utilities

[Joint Utilities: Utility DSIPs](#)

[Joint Utilities: Capital Investment Plans](#)

[Joint Utilities: Electric Reliability Reports](#)