



JOINT UTILITIES OF NEW YORK

Distributed System Platform (DSP) Stakeholder Webinar

April 23, 2020

Welcome and Logistics

- Welcome and thank you for joining!
- Questions can be submitted via the 'question function' on the webinar interface
- Webinars are open to the public and recordings will be posted following the webinar on the Joint Utilities website: www.jointutilitiesofny.org
- Please contact info@jointutilitiesofny.org if you have any additional questions following the webinar

Agenda	Joint Utilities Presenters
Welcome and Logistics	Matt Robison (ICF)
JU DSP Updates Since DSIP Webinar in December	David Conroy (NYSEG/RG&E) and David Lovelady (National Grid)
Advancing Hosting Capacity Efforts	Jared Trumpetto (Con Edison)
Review Updates on Information Sharing	Sara Margaret Geissler (Con Edison)
Summary of New York Electric Vehicle Activities	John Shipman (Con Edison)
Update on JU-NYISO Discussions	Jared Trumpetto (Con Edison)
Q&A Session on JU DSP Efforts	All presenters are happy to answer questions



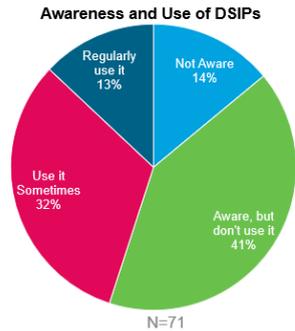
Joint Utility DG Essential Construction

- Based on the current COVID-19 emergency, the Joint Utilities* have modified DG work as follows:
 - Site visits are to be done using social distancing and appropriate PPE. Most utilities are considering virtual options for site visits if feasible.
 - Distribution line work is continuing for DG projects with a PTO date prior to 09/01/2020.
 - Substation construction work is continuing for DG projects (for Orange and Rockland, this is limited to project with a PTO date prior to 09/01/2020).
 - All office work, including application processing and engineering studies, is continuing in accordance with the New York Standardized Interconnection Requirements.
- *DG Construction work is paused for Con Edison due to the magnitude of the coronavirus outbreak in their service territory.

JU Distributed System Implementation Plans (DSIPs) and Stakeholder Engagement

Recent and Upcoming JU Stakeholder Engagement

Stakeholder Survey released to help inform the 2020 DSIPs




51%
of respondents are using the JU website:
www.jointutilitiesofny.org

Quarterly DSP Enablement Newsletter published with updated structure based on October survey



Next quarterly newsletter posted to JU Website

Company-specific stakeholder meetings on DSIPs (dates TBA)



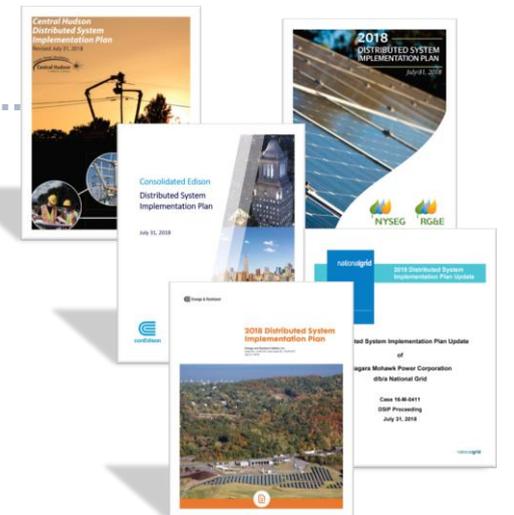
JU Stakeholder Webinar on Distributed System Implementation Plans (DSIPs)



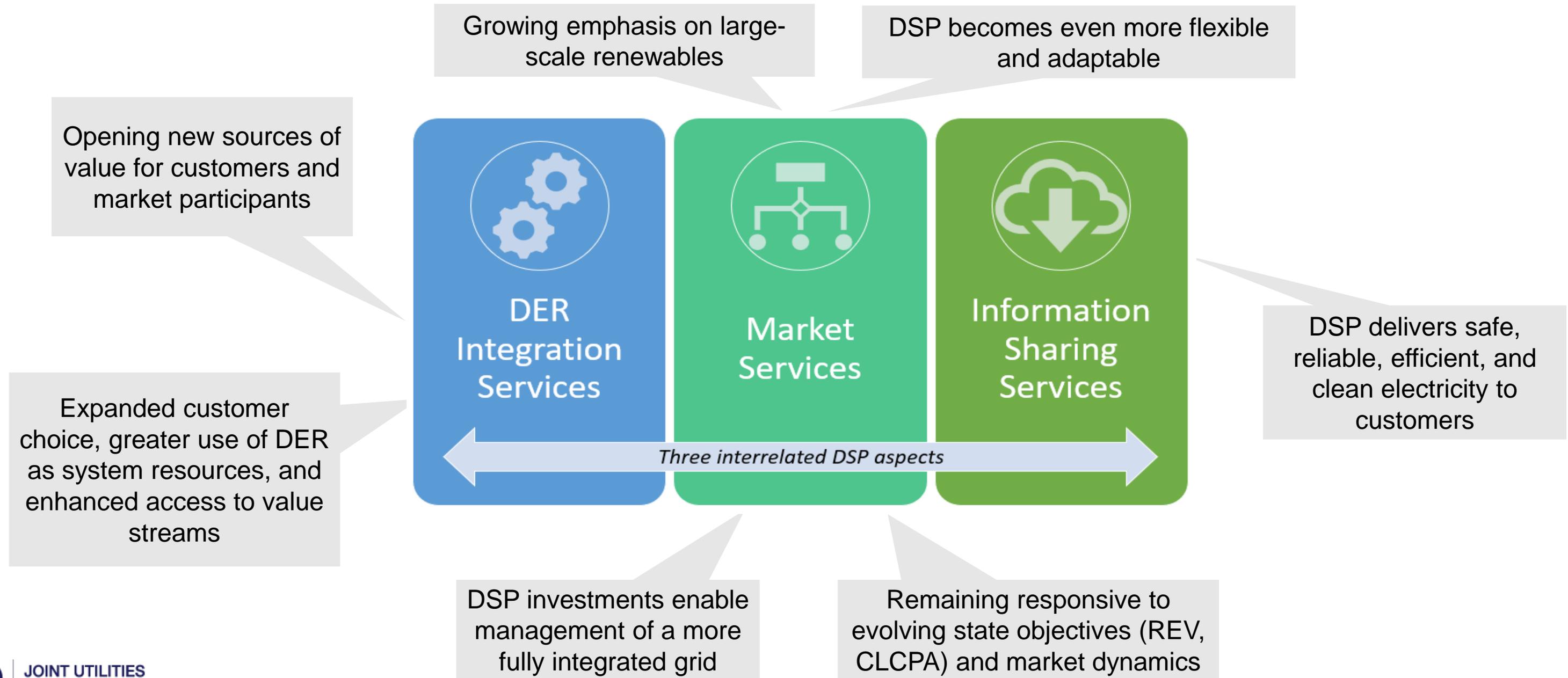
JOINT UTILITIES OF NEW YORK
Distributed System Implementation Plans (DSIPs) Stakeholder Webinar
December 11, 2019

Today's Webinar

June 30, 2020
Individual DSIPs are filed



Our 5-year DSP Vision



Overview of JU DSP Topics

Focus of Today's Webinar

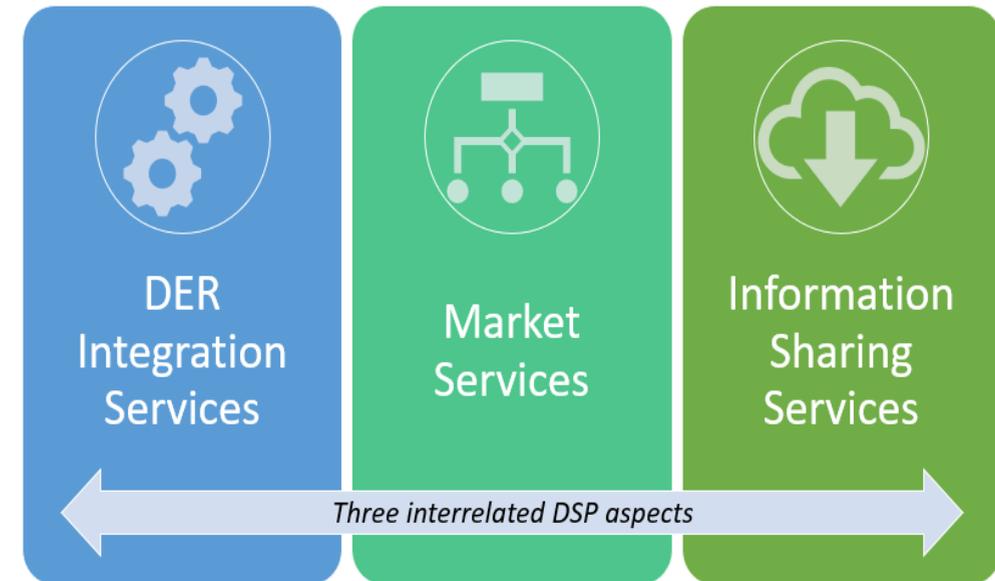
Hosting Capacity

Customer Data

System Data

Electric Vehicles

ISO-DSP Coordination



Advancing Hosting Capacity Efforts

Advancing Hosting Capacity Efforts

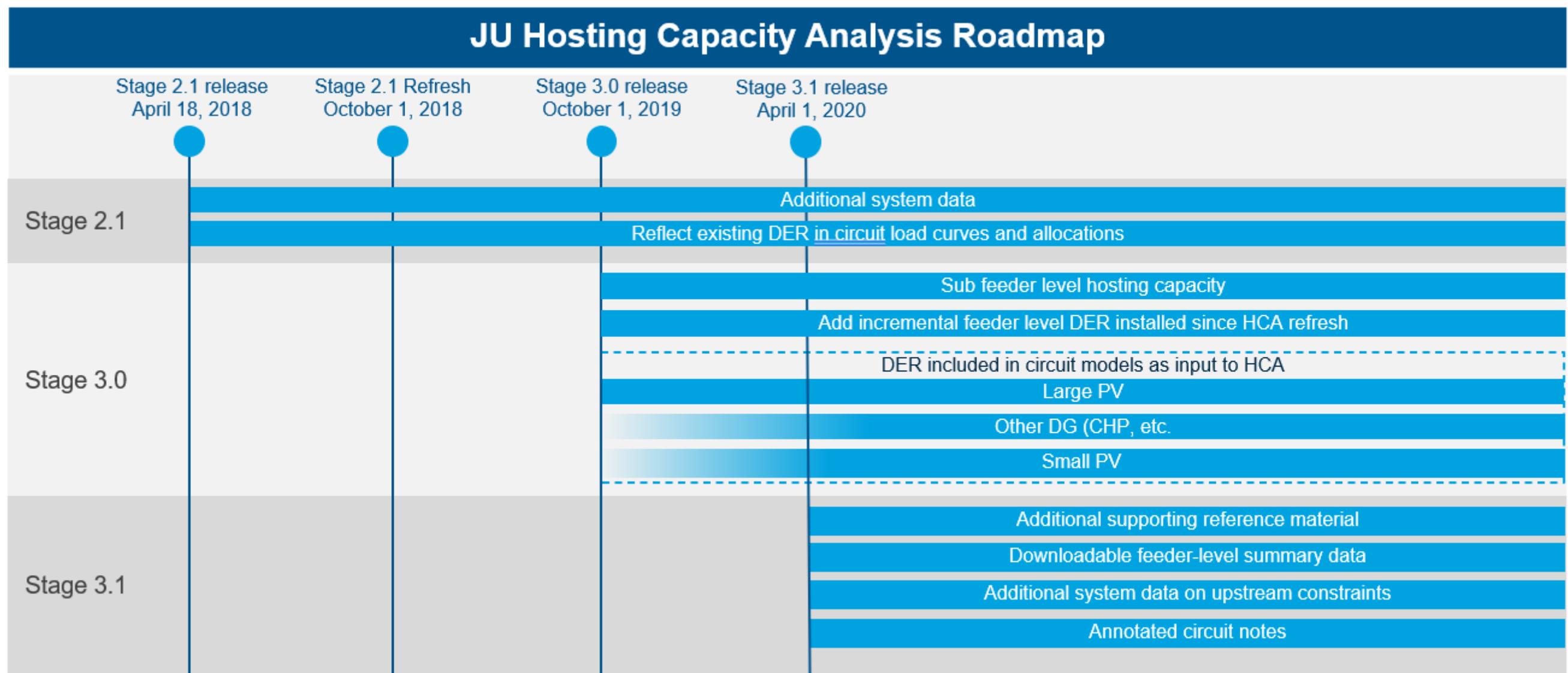
The Joint Utilities continue to make progress aligned with the hosting capacity roadmap. Stage 3.0 of the hosting capacity displays was released in October 2019.

- The major enhancements made in Stage 3 are focused on including existing DER in the analysis and providing sub-feeder level hosting capacity.
- The Joint Utilities have since made additional updates to the displays, incorporating stakeholder feedback as part of a Stage 3.1 release in April 2020.

The Joint Utilities held three stakeholder engagement sessions after the release of Stage 3.0 to solicit input and feedback on the displays.

- To help solicit further input from a broader audience and users of the displays, the Joint Utilities conducted a stakeholder survey reaching ~ 1,475 stakeholders.
- The results of the stakeholder survey have helped to prepare and prioritize ongoing discussions with stakeholders.

Recent Updates to the Hosting Capacity Displays



Stakeholder Survey Results

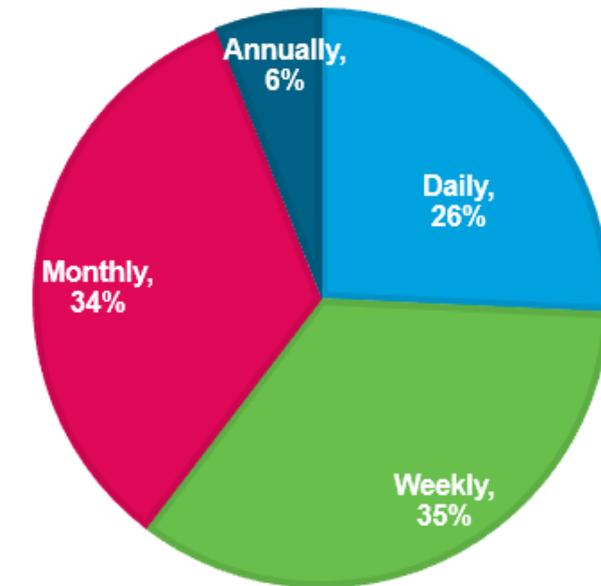
Overall level of engagement is up with 141 completed surveys.

The survey audience was primarily solar PV developers.

More than half of stakeholders report to use the maps on at least a weekly basis.

The results of the stakeholder survey will be discussed in greater detail at the next engagement sessions, currently targeted for mid-May.

Q2. How often do you use any of the Joint Utilities' hosting capacity maps?



RESPONDENT ROLES



Available Reference Materials

Developers are encouraged to reach out to the respective DG contacts at each utility with specific questions relating to the hosting capacity portal.

The Joint Utilities also encourage developers to visit the Joint Utilities hosting capacity page, as it has been recently updated with common reference material such as:

- Previous stakeholder engagement presentation slides and information on upcoming engagement sessions
- Links to each utility's hosting capacity displays
- Descriptions of the analysis methodology and assumptions
- FAQs
- A user demo and tutorial of the Stage 3 maps

<https://jointutilitiesofny.org/utility-specific-pages/hosting-capacity/>

Information Sharing

Information Sharing

The Joint Utilities continue to make valuable information more available and accessible to customers and market participants.

The existing utility system data portals provide access to system data, hosting capacity information, and non-wires solution opportunities.

The Joint Utilities are also participating in evolving and shaping new data platforms and resources to provide improved access to customer energy usage and system data, including:

- NYSERDA / Utility Energy Registry (UER)
- DPS Staff / NYSERDA / Orange and Rockland (O&R) Pilot Integrated Energy Data Resource
- Green Button Connect update
- New Commission proceeding on “Strategic Use of Energy Related Data”

*NYSEG = New York State Energy Research and Development Agency

NYSERDA UER

The UER is a database platform managed by NYSERDA that provides public access to aggregated, community-scale, utility-reported energy data. The UER is intended to facilitate and support data needs for community energy planning and management.

- The UER was authorized by the Commission in April 2018.
- The JU worked with NYSERDA in developing the aggregation methodology and provided NYSERDA with the data sets while protecting customer specific data, including addresses, names, or account information.
- The UER Status Report was issued in December 2019 and made a number of recommendations to evolve the UER platform.
- The JU submitted comments on the UER Status Report and are looking forward to advancing the platform to meet customer needs through the establishment of a working group.

More information is available at:

<https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Communities/Community-Energy-Use-Data>

Pilot Integrated Energy Data Resource

- Orange and Rockland (O&R) is participating in an important data platform pilot program coordinated by DPS Staff and NYSERDA.
- The “Pilot Integrated Energy Data Resource” design phase was completed in 2019 and went live in January 2020.
- The pilot’s objective is to help DER developers to identify, evaluate and initiate DER development opportunities in New York State.
- The data platform incorporates customer data as well as system data which developers can use (with proper qualification and authorization) to identify locations where their products and services may provide value to customers as well as meet utility system and potentially electric market needs.
- The data platform does not allow access to a customer’s identifiable utility account information without the express consent of the utility customer.
- The learnings from this pilot data platform may help inform the Commission’s new proceeding on Strategic Use of Energy Related Data.

More information available at: <https://www.oru.com/en/our-energy-future/our-energy-projects/der-platform-programs>



Green Button Connect (GBC)

2016

- ConEdison AMI Order directed GBC implementation with AMI deployment
- DSIP Guidance Order directed utilities with AMI deployment plans to submit a proposed implementation plan, budget and timeline for implementing Green Button Connect My Data or alternate standard that offers similar functionality
- S-DSIP GBC Plans

2018

- 2018 DSIPs with GBC implementation information
- NENY Order expedited GBC and required joint GBC terms and conditions (T&C)

2019

- GBC Working Group Meetings with JU updates
- JU GBC Status Report

Each utility continues to advance GBC implementation as AMI deployment rolls out in their service territory. NYSEG/RG&E and National Grid anticipate using Con Edison's model as a basis for design and implementation, allowing for modifications specific to each utility's system requirements.

Utility	Registered Third-Parties	GBC Phase I	Additional Phases	GBC T&C
Con Edison	4 complete 11 actively onboarding	Meter number(s), corresponding energy or net energy usage (kWh, net kWh, ccf), and reactive power (kVAR)	Phase 2 (2019): Total electric bill cost, total gas bill cost, service class per tariff, ICAP tag, billing history Phase 3 (2020): Account number, service address (GBC Retail Customer Module)	Proposed following data security agreement (DSA) guidelines
O&R	12 paused onboarding			
NYSEG/R&GE	6 (Energy Manager Pilot)	Pending AMI approval		
National Grid		March 31, 2021 – with AMR data		
Central Hudson	Only Green Button Download (GBD) available. No immediate plans to implement AMI at scale.			



Strategic Use of Energy Related Data

On March 19, 2020, the Commission initiated a new proceeding to address the strategic use of energy related data, acknowledging that addressing "data-related topics across numerous proceedings was not optimal way to develop a unified treatment of data issues."

The Order directed DPS Staff to develop two (2) whitepapers by May 19, 2020.

Data Access Policy Framework Whitepaper

- Standardize privacy, security and data quality requirements to address privacy

Integrated Energy Data Resource Platform Whitepaper

- Consider data resource design and use cases, implementation and operation

System Data Portals

The JU system data portals provide access to system data, hosting capacity information, and non-wires solution opportunities.

- Access to the utilities' system data portals is available through the JU website (<https://jointutilitiesofny.org/system-data/>) as well as on the individual utilities' web sites.
- Available information includes:
 - Hosting Capacity maps and data
 - Load historical and forecasted data
 - Installed and queued distributed generation (DG)
 - Non-Wires Alternative opportunities
 - Capital Investment Plans
 - Reliability Statistics
- Future information may be added in response to Commission requests:
 - Comments from the JU on the EV whitepaper will be filed April 27
 - Upcoming white papers in the Commission's new proceeding on the strategic use of energy information

Overview of Currently Accessible System Data

DISTRIBUTED SYSTEM
IMPLEMENTATION PLANS

CAPITAL INVESTMENT PLANS

PLANNED RESILIENCY /
RELIABILITY PROJECTS

RELIABILITY STATISTICS

HOSTING CAPACITY

BENEFICIAL LOCATIONS

LOAD FORECASTS

HISTORICAL LOAD DATA

NWA OPPORTUNITIES

QUEUED DG

INSTALLED DG

SIR PRE APPLICATION
INFORMATION

Load Forecast

Each utility varies for accessibility of load forecast data. Please follow the methods indicated below to obtain each utilities available load forecasts.

Granularity: System

Central Hudson's load forecasts are available on their **Distributed Generation** web portal.

Con Edison's load forecasts are available on their **Distributed System Platform** web portal.

National Grid's load forecasts are available through their **System Data portal**.



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Looking Ahead: Energy Usage Data Collaboration in New York

- The Joint Utilities remain engaged and always open to receive stakeholder feedback on data needs to support their operations and the state policy goals while providing customer value.
- The Joint Utilities and the Information Sharing Working Group continue to extend the invitation to developers and stakeholders to reach out with their data questions, business use cases and information requests and look forward to developing and making available usable data and information that meet their needs.
- For any inquiries or feedback please e-mail: info@jointutilitiesofny.org

Electric Vehicles

Recent and Upcoming EV Proceeding Key Dates (Case: 18-E-0138)



- ❖ **January 13, 2020:** [Staff Whitepaper](#) released
- ❖ **February 5, 2020:** [Staff Notice Soliciting Comments](#) released
- ❖ **April 1, April 3, April 7:** [EV Technical Conference](#) (rescheduled as webinars)
- ❖ **April 27, 2020:** Initial comments are due
- ❖ **May 11, 2020:** Reply comments are due

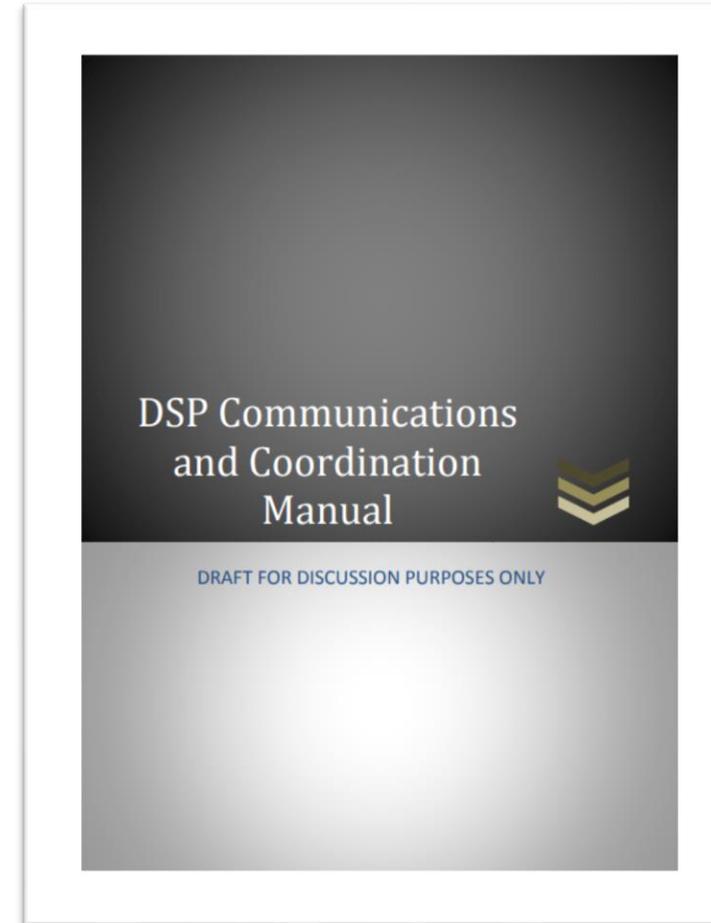
JU Response to Staff Make-Ready Proposal: Key Themes

- **The Joint Utilities support New York’s ambitious transportation electrification goals.**
- **Flexibility, creativity, and simplicity** will be necessary to meet these goals.
- **Stakeholders (such as developers, site hosts, trade allies, community groups)** look at this opportunity differently. The scale of the challenge necessitates a variety of solutions and business models, participation of diverse players, and a structure that will allow these many stakeholders to engage in the program.
- **An iterative, comprehensive, and multi-pronged strategy** will facilitate increased cross-sector customer adoption, continued integration of new technologies, and the ability to adjust the grid and changing ecosystem over time.
- The more the ultimate state-wide make-ready program design embraces the concepts of **flexibility, creativity, and simplicity**, the greater will be the progress toward the State’s transportation electrification objectives.

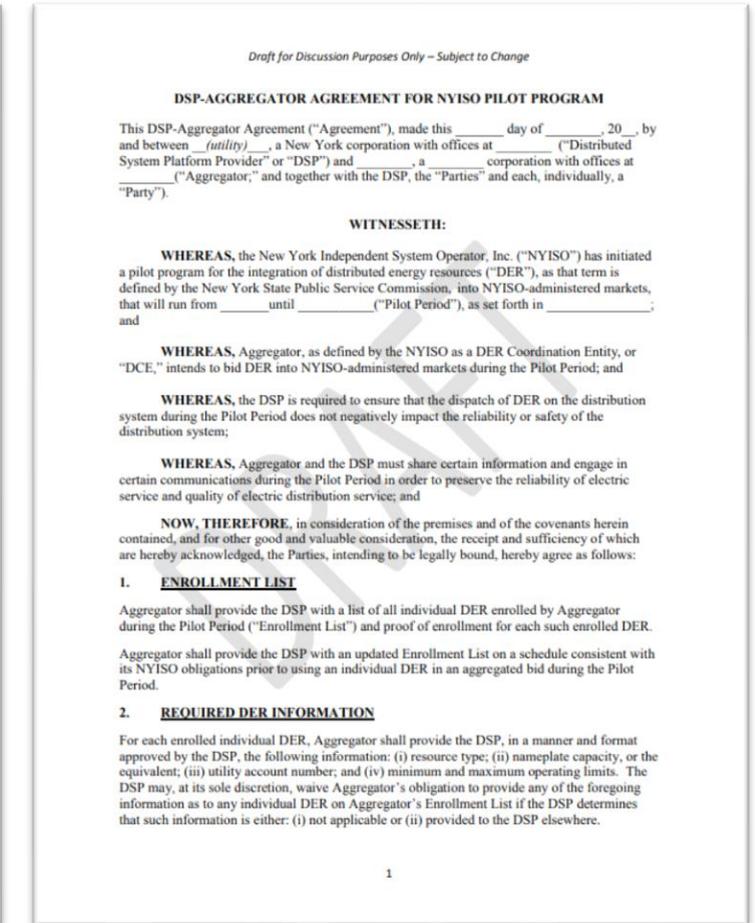
ISO-DSP Coordination

Defining Operational Coordination Requirements

- The JU have worked with the NYISO to define operational coordination processes required to support DER wholesale market participation
- Key focus areas include:
 - Information exchanges between the TO/DSP, NYISO, Aggregators, and DER
 - DER aggregation registration
 - Mapping DER to a transmission node
 - Metering and telemetry requirements
 - Dual participation in wholesale and distribution markets
- JU have developed requirements to align distribution and bulk system security into traditional market operations
 - DSP Communications and Coordination Manual
 - DSP-Aggregator Registration Agreement
- JU requirements go beyond NYISO's primary focus on NYISO-TO and NYISO-Aggregator coordination

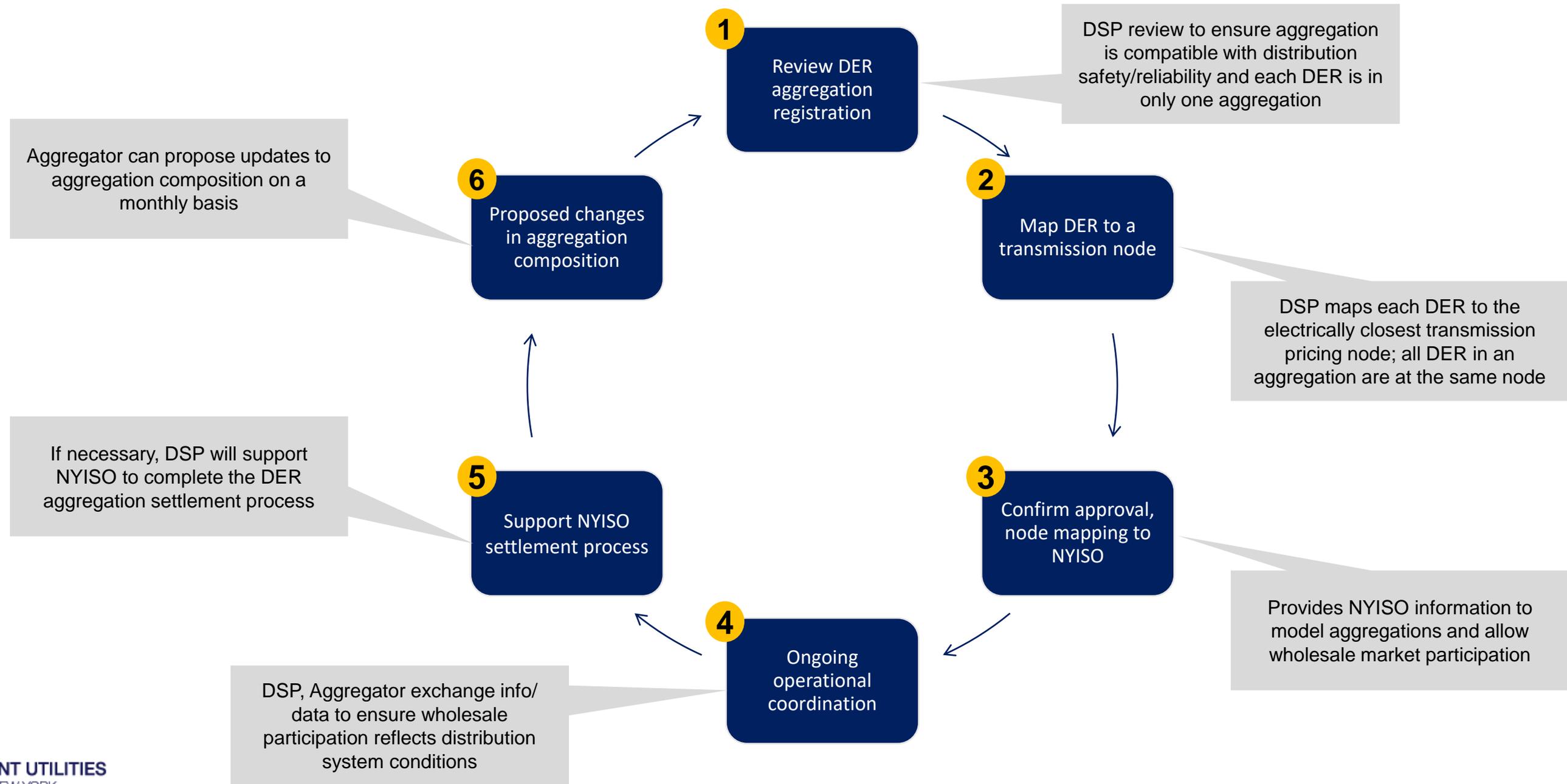


[Draft DSP Communications and Coordination Manual](#)

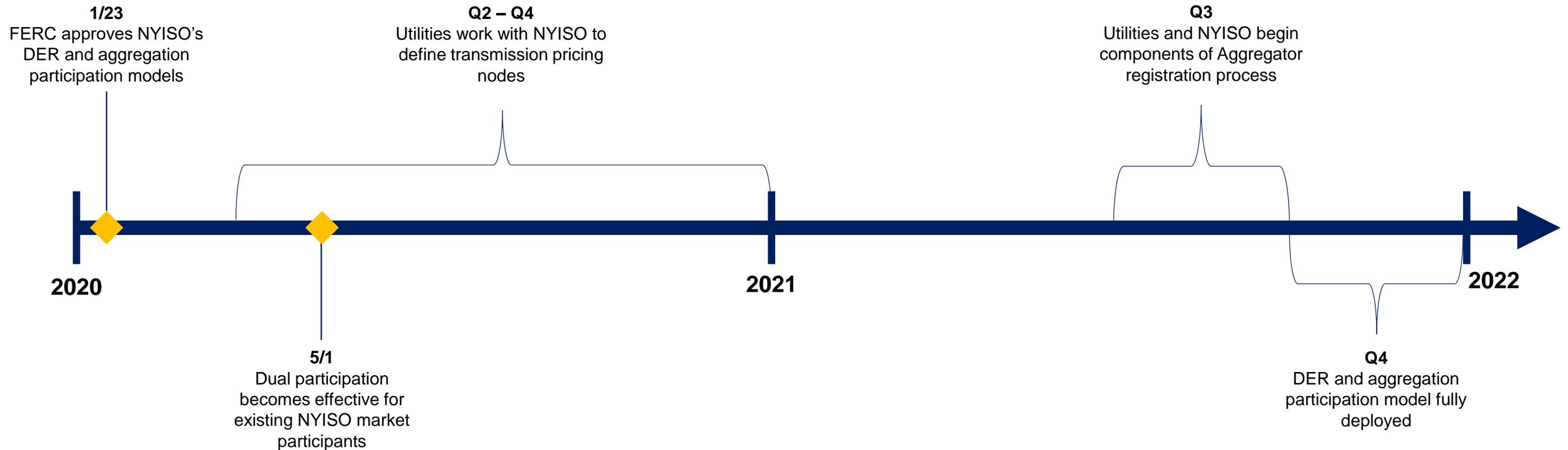


[Draft DSP-Aggregator Registration Agreement](#)

Iterative Process for DSP Coordination with Aggregator/DER



Timeline for NYISO's DER and Aggregation Participation Models



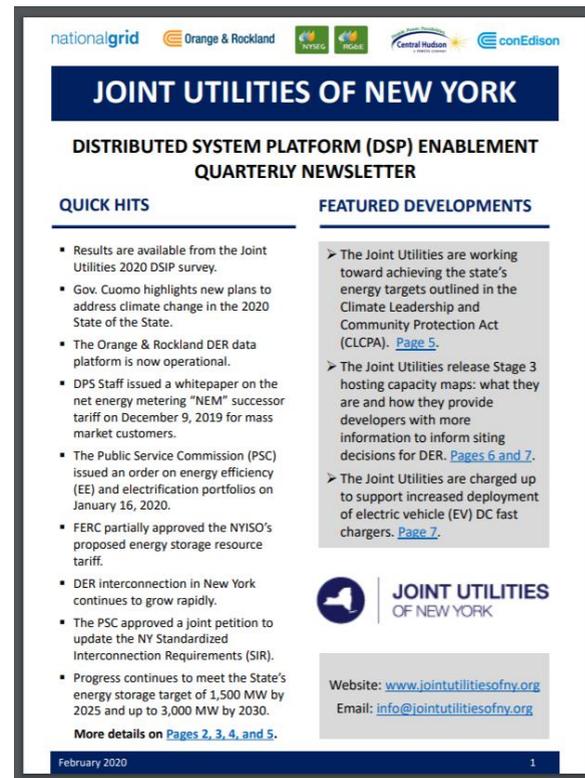
Other ongoing efforts for the Joint Utilities include:

- Refining (if necessary) operational coordination requirements
- Finalizing the DSP-Aggregator registration process
- Developing a NYISO-hosted portal to facilitate operational coordination

Adapted from: NYISO, *DER Important Dates and Schedule*, MIWG, February 26, 2020.

Q&A Session

- Please submit questions via the ‘question function’ on the webinar interface
- Additional questions may be emailed to info@jointutilitiesofny.org following the webinar
- Visit www.jointutilitiesofny.org for more information



- Check out our **quarterly newsletter** with meaningful, substantive updates related to the DSIPs
- Succinct snapshot of how the utilities are making progress on the DSP
- Readily accessible information sources that are updated more frequently than the two-year DSIP cycle
- Regulatory updates with a focus on the potential impact to the DSPs and the attainment of state goals
- Available on the Joint Utilities website (tab: Stakeholder Engagement)

Thank you!



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Website: www.jointutilitiesofny.org

E-mail: info@jointutilitiesofny.org

Overview of JU DSP Topics

Today's Webinar

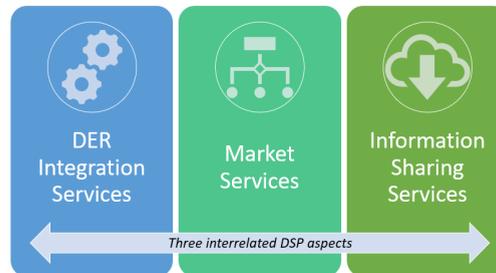
Hosting Capacity

Customer Data

System Data

Electric Vehicles

ISO-DSP Coordination



Other Joint Utilities of New York Working Groups

Key Proceedings

Load & DER Forecasting

[Utility-specific online portals](#)

Cybersecurity and Privacy

[Case 18-M-0376](#)

Energy Efficiency

[Case: 18-M-0084](#)

Monitoring and Control

[Utility-specific online portals](#)

DER Sourcing

[JU Website: Non-Wires Alternatives Opportunities](#); [REV Connect](#)

Energy Storage

[Case 18-E-0130](#)

Demos

[REV Demonstration Projects](#)



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