Hosting Capacity Stakeholder Webinar

(June 25, 2020)

Engagement Group Ground Rules*

- All stakeholder engagement (Advisory Group and Engagement Group) meetings, webinars and information exchange are designed <u>solely</u> to provide an open forum or means for the expression of various points of view <u>in compliance with antitrust laws</u>.

- <u>Under no circumstances</u> shall stakeholder engagement activities be used as a means for competing companies to reach any understanding, expressed or implied, which tends to restrict competition, or in any way, to impair the ability of participating members to exercise independent business judgment regarding matters affecting competition or regulatory positions.

- Proprietary information <u>shall not be disclosed by any participant</u> during any stakeholder engagement meeting or its subgroups. In addition, no information of a secret or proprietary nature shall be made available to stakeholder engagement members.

- All proprietary information which may nonetheless be publicly disclosed by any participant during any stakeholder engagement meeting or its subgroups <u>shall be deemed to have been disclosed on a non-confidential basis</u>, without any restrictions on use by anyone, except that no valid copyright or patent right shall be deemed to have been waived by such disclosure.

- AG & EG discussions will be <u>open forums without attribution</u> and no public documents by the AG or EG will be produced unless publication is agreed upon by the group.

Ground Rules adapted from the JU Advisory Group

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Agenda

1. Introductions

2. Additional Map Functionality

3. REST URL Access

4. Consistency Across Third-Party Displays
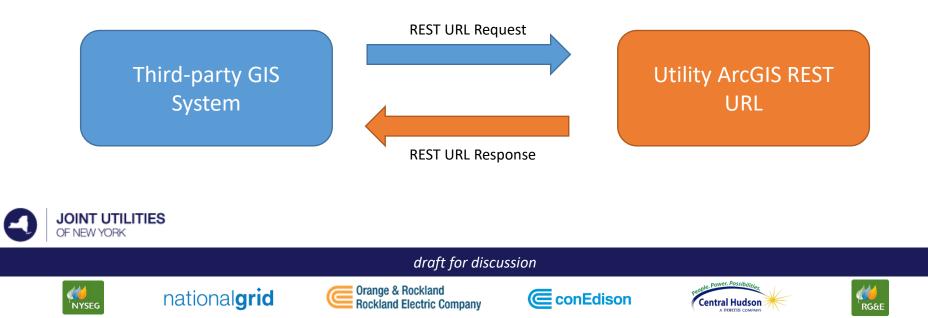
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Additional Map Functionality

- The JU have been working with Scenic Hudson to share hosting capacity displays that can be overlaid with their own public maps, also aligned with the developer guide use case.

- The REST URL approach provides benefits such as:

  - Provides similar level of access to other utilities with REST API access

  - Previously used by O&R with NJ DEP

  - Does not require significant changes from a resources and data access perspective

  - Addresses utility concerns with security, accuracy and downloadability

  - Allows for a potentially significant value add to stakeholders when combined with the downloadable .csv attribute table summary files

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REST URL Access

- The JU are working towards enabling a similar level of access to other utilities with REST API access via a REST URL.

- The REST URL would allow stakeholders to overlay hosting capacity data and complete queries and filtering within their own GIS platforms.

- Third-parties are being asked to maintain a log of users accessing their portals, that could then be provided to the JU as necessary.

Third-party GIS System

REST URL Request

REST URL Response

Utility ArcGIS REST URL

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Consistency Across Third-Party Displays

- The JU are aligned on providing a similar level of consistency across utility displays when overlaid into third-party GIS systems.

- Utility disclaimers and language on analysis methodology and assumptions will be provided to third-parties to include in their displays.

- Utility contact info and links to additional reference material will also be included when providing third-party access.

Hosting Capacity Disclaimer:

Thank you for visiting Central Hudson's hosting capacity portal. The interactive hosting capacity maps in this portal were developed to provide insight into the location-specific ease of solar PV integration. The analysis reflects the available sub-feeder level hosting capacity for solar PV interconnections larger than 300kW. A full list of assumptions and considerations for the analysis can be found using the link included below:

Hosting CapacityAnalysis Methodology and Assu
*Hosting capacity data as of 10/1/2019. Interconnection queue data is updat

☐ I agree to the above terms and conditions

Hosting Capacity Analysis Methodology and Assumptions

This interactive map illustrates hosting capacity for Central Hudson Gas & Electric's distribution circuits. 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. The analyses presented in these displays provide the sub-feeder level hosting capacity for distribution circuits emanating from a substation at 12kV and above. This map currently depicts Stage 3 of a 4 stage approach for implementing hosting capacity in NY. For more information on the hosting capacity roadmap, please refer to the NY State Joint Utilities' Supplemental Distribution System Implementation Plan (SDSIP).

Please note that these analyses were conducted under current configurations and prior to infrastructure upgrades such as: installing a recloser or remote terminal unit at the Point of Common Coupling, replacing a voltage regulating device or controller to allow for reverse power flow, substation-related upgrades including ground fault (or zero-sequence overvoltage ("3V0")) protection, or other protection-related upgrades. These additional elements are being considered for later phases of hosting capacity analysis.

For the Stage 3 displays, each circuit's sub-feeder level hosting capacity is determined by evaluating impacts of large, centralized solar PV installations (300kW and greater) along the three phase distribution mainline. These analyses represent the overall sub-feeder level hosting capacity only, and does not account for all factors that could impact interconnection costs (including substation constraints). The Stage 3 hosting capacity maps are displayed at the sub-feeder level, according to the heat mapping breakpoints noted in the map legends. Stage 3 hosting capacity efforts also incorporates the impacts of installed DER into the analysis.

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Questions

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