

Bulk Energy Storage Scheduling and Dispatch Rights Request for Proposals

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APPENDIX E

Overview

As part of the qualitative evaluation of Bidder proposals, CECONY and O&R will evaluate the location of proposed projects. Both CECONY and O&R have identified preferred locations which are illustrated and described below. Please note the maps illustrate approximate boundaries and exact electrical connection to the load areas requires verification. Locations can be confirmed via the self-service Hosting Capacity Maps.¹

Preferred CECONY Locations


CECONY has identified preferred locations within its service territory illustrated in the following four maps.

¹ CECONY Hosting Capacity Maps: <https://www.coned.com/en/business-partners/hosting-capacity>; O&R Hosting Capacity Maps: <https://www.oru.com/en/business-partners/hosting-capacity>

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Brooklyn Map – Greenwood TLA



 Preferred load area for energy storage scheduling and dispatch rights RFP




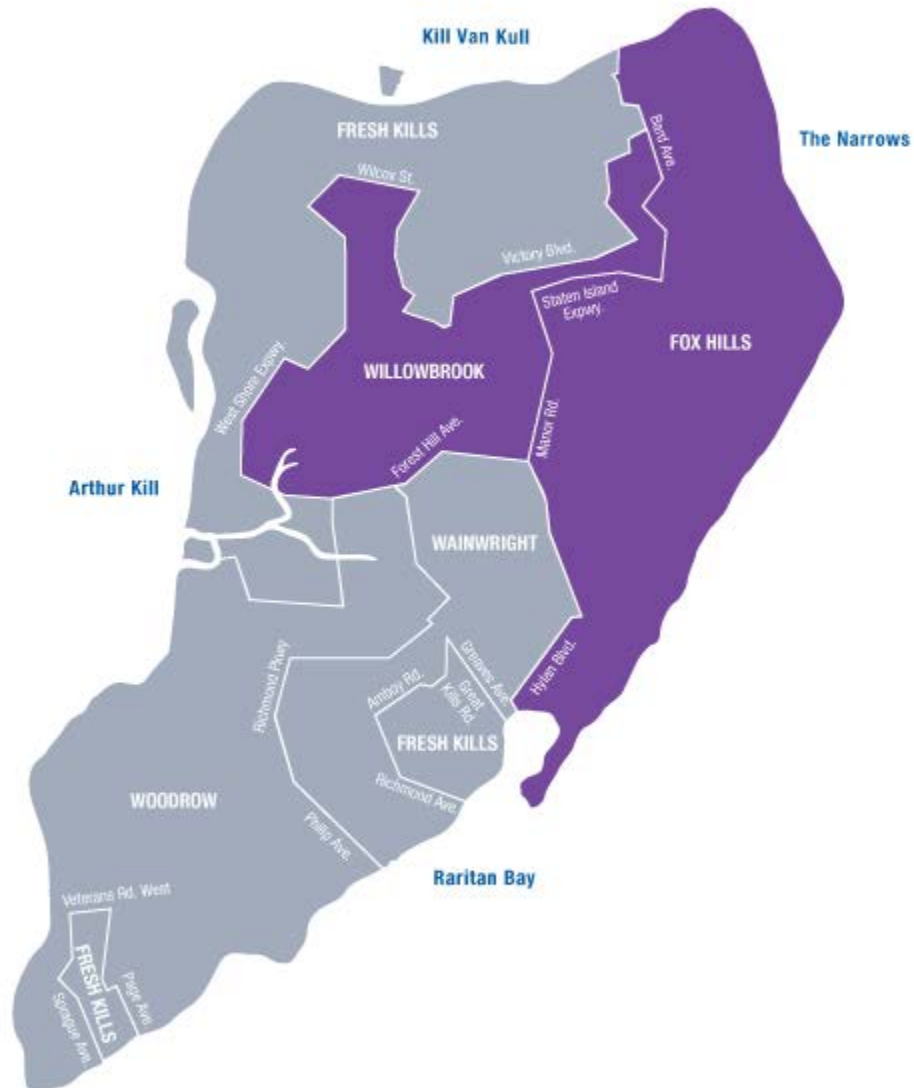
Map illustrates approximate geographic boundaries. Exact electrical connection to the load area requires verification.

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Staten Island Map – Greenwood TLA



 Preferred load area for energy storage scheduling and dispatch rights RFP




Map illustrates approximate geographic boundaries. Exact electrical connection to the load area requires verification.

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Queens Map – Astoria TLA



 Preferred load area for energy storage scheduling and dispatch rights RFP




Map illustrates approximate geographic boundaries. Exact electrical connection to the load area requires verification. Jamaica value is limited to 60 MW maximum.

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Manhattan North Map – East 75th Street Area Station



 Preferred load area for energy storage scheduling and dispatch rights RFP



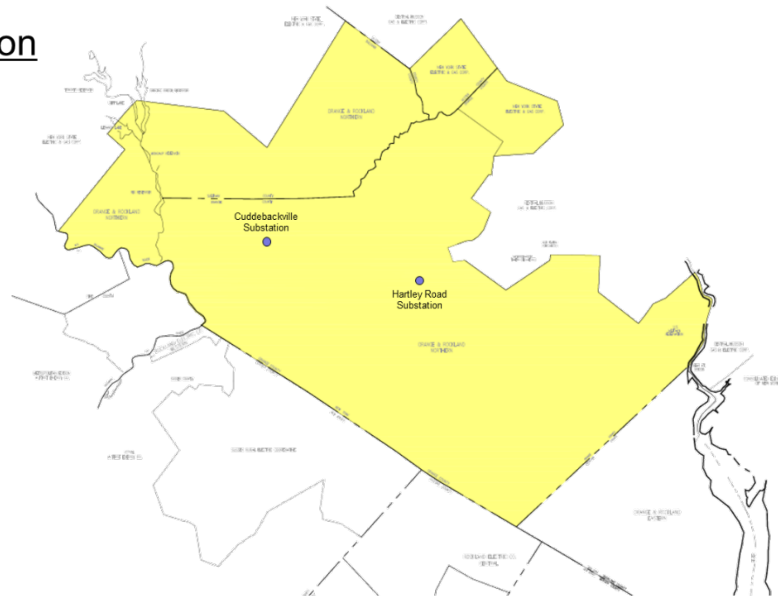
Map illustrates approximate geographic boundaries. Exact electrical connection to the load area requires verification. Lenox Hill value is limited to 26 MW maximum.

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Preferred O&R Locations

O&R has identified two preferred locations within the Northern Division of its service territory.

Northern Division



Distribution hosting capacity maps can be found at <https://www.oru.com/en/business-partners/hosting-capacity>

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Orange and Rockland Utilities is seeking to procure a minimum of 10 MW of bulk storage at two locations within the Company's service territory. The primary system benefit will be capacity reduction through participation in the NYISO market. Secondary benefit to the storage will be to capture excess generation in areas of high PV penetration.

Bidders may submit Offers of greater than 5MW interconnecting into each of the two Preferred Load Areas. Offers may also include one Variant of at least 10MW, subject to the Offer's eligibility to change capacity based on its interconnection application stage. Sites closer to the identified substations are preferred. Please refer to RFP Section 5.5 for additional detail on Offers versus Variants of Offers.

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Preferred Location 1

Cuddebackville

The single bank station (Cuddebackville) serves three 34.5kV distribution circuits.

The primary function of the battery is to operate in the wholesale market. The location of the battery near Cuddebackville station will provide secondary benefit by absorbing the large amount of existing and proposed PV aggregated on the local 34.5kV bus by storing excess energy generated by the PV.

The Company envisions the point of interconnection to be served from a new 34.5kV station breaker with an underground 34.5kV line that will be dedicated to the battery project. The site of the battery shall be as close to the station as possible to reduce overall cost of installation. Locations closer to the point of interconnection are preferred (see Map #1). There are multiple vacant land sites adjacent to the substation that may be possible for the installation of a battery storage. If land near the station cannot be secured, alternate sites south of the station along RT 209 will also be considered (see Map #2). For this case, no spare circuit position will be required. Connection will be to an existing 34.5kV circuit (5-10-34).

These sites would require the vendor to explore potential nearby locations, review associated local permitting laws and regulations and ensure State Environmental Quality Act (SEQRA) requirements are met. The vendor will be responsible for all monetary improvements (point of interconnect) associated with a new 34.5kV breaker and other associated equipment as needed. Depending on site location, the project may require underground distribution feeder and/or utility poles installations to connect to the battery site.

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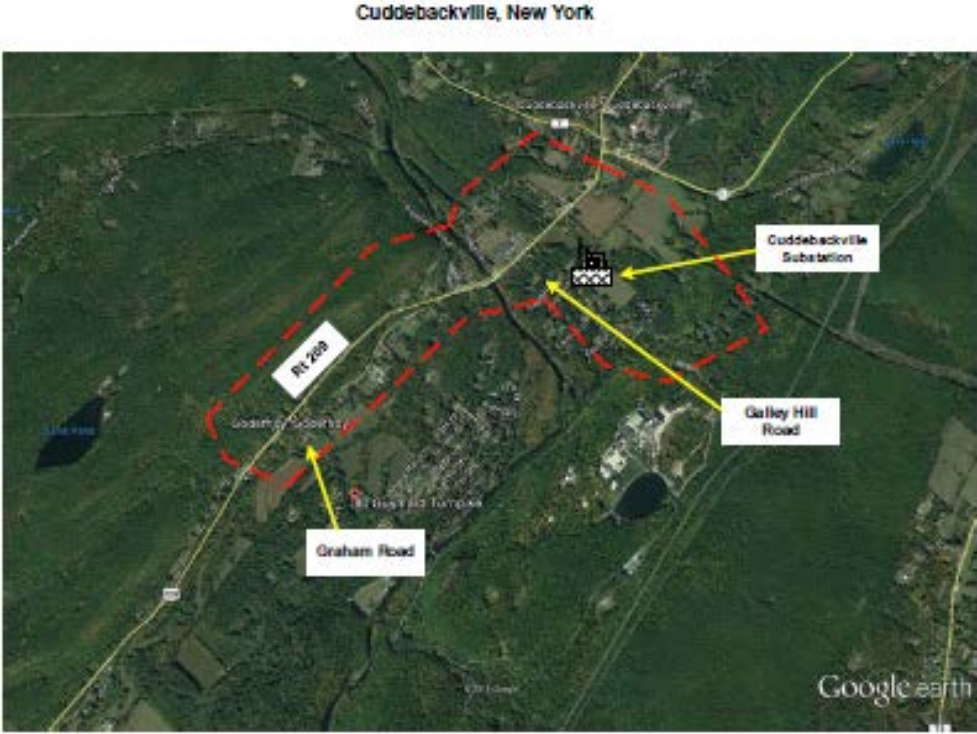
Map: Cuddebackville NY



Address of the station: 49 Galley Hill Rd, Cuddebackville, NY

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Map #2: Cuddebackville Substation (alternate sites along RT 209 – red zone)



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Preferred Location 2

Hartley Road

This two-bank substation is fed by two 69kV lines (Line 24/241) between Shoemaker and Sugarloaf. The location of the battery near Hartley station will provide a secondary benefit by absorbing the large amount of existing and proposed PV aggregated on the local 13.2kV bus by storing the excess energy generated by the PV.

The Company envisions the point of interconnection to be served from a spare 13.2kV station breaker at Hartley Road Substation with a new underground 13.2kV line that will be dedicated to the battery project. The site of the battery shall be as close to the station as possible to reduce overall cost of installation. Locations closer to the point of interconnection are preferred (see Map #3). There are multiple vacant land sites adjacent to the substation and may be possible for the installation of a battery storage. These sites would require the vendor to explore potential sites, review associated local permitting laws and regulations and ensure State Environmental Quality Act (SEQRA) requirements are met. The vendor will be responsible for all monetary improvements associated with a new 13.2kV breaker and other associated equipment as needed. Depending on the location, the project may require underground distribution feeder and/or utility poles installations to connect to the battery site.

Map: Goshen NY



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Address of the station: 157 Cheechunk Road, Goshen, NY

Map #3: Hartley Road Substation in Goshen, NY (areas within red-zone are preferred).



Address of the station: 157 Cheechunk Road, Goshen, NY