

**Orange & Rockland
Non-Wires Alternatives
Response to West Haverstraw RFP Clarification Questions**

ID	Category	Question	Response
Evaluation			
1	Evaluation	Could O&R please provide a cost estimate for the traditional infrastructure project it is looking to defer through the West Haverstraw NWA initiative?	Respondants are encouraged to provide their most competitive pricing. Proposals will be evaluated on a variety of factors as described in the RFP.
2	Evaluation	For solutions based on energy storage in front of the meter (IFOM), how the charged energy will be settled? How the auxiliary consumption energy will be settled?	The vendor will be responsible for all costs associated with charging the asset as well as all auxiliary consumption. Reimbursement for O&R usage associated with distribution system benefits will be discussed during contract negotiations.
3	Evaluation	By "taking advantage of funding available from other funding streams, e.g. participation in NYISO market", does this mean Orange & Rockland is able to consider being the market participant for the aggregated VPP?	We encourage the vendors to explore other markets which can lower the overall cost of the measure. It is possible that O&R may act as a "scheduling coordinator" for these assets but there is no guarantee at this time. Please provide costs which consider both O&R and a third party acting as the "market participant".
4	Evaluation	Does the proposed solution have to be either third party owned or utility owned, or could it be partially owned by both a third party and Orange & Rockland?	O&R is open to proposals that contain unique or novel approaches to solving the problem. Respondants are encouraged to make clear how such approaches would be beneficial to all parties. O&R is open to both third party owned or utility ownership.
5	Evaluation	What is the approximate cost of the traditional capital project to address the circuit contingency issue?	Respondants are encouraged to provide their most competitive pricing. Proposals will be evaluated on a variety of factors as described in the RFP
Load Reduction			
6	Load Reduction	Is O&R able to provide a more detailed breakdown of the C&I demographics within the NWA area listed in Table 1 on page 8 of the RFP, including types of customer (education, hospital, office, retail, etc.), their peak demand by class, and annualized consumption?	At this time, O&R will not be providing a detailed breakdown. O&R has broken down the customer types in the RFP by residential and commercial sector.

7	Load Reduction	Can O&R provide details regarding current participation within the NWA territory (customer count, MW total, percentage of customer class, percent of peak demand, etc.) that currently participate in O&R's existing EE and DR programs?	At this time, O&R will not be providing any additional information. O&R has broken down the customer types in the RFP by residential and commercial sector.
8	Load Reduction	Does the program season cover May 1 through September 30 each year? Is this expected to be for every day, or exclude weekends and holidays?	Yes, May 1 through Sept 30. Asset to be available 5 times a week during the weekdays of the summer months.
9	Load Reduction	What duration does O&R expect for contingency events?	This will depend on the exact type of contingency, however, solution portfolios will need to cover the load profile from 6 AM to 11 PM as shown in Figure 1 of the RFP.
10	Load Reduction	How many times per season does O&R anticipate contingency events occurring?	O&R does not forecast contingency events, therefore, this data is not available. Contingencies may occur at any time and cannot be predicted.
11	Load Reduction	Could O&R please clarify the maximum resource need within a specific performance event, in terms of power capacity (MW) and energy capacity/duration (MWh)? For instance, if the contractual requirement in 2030 were to be 5.83 MW for a duration of 17 hours (6:00 a.m. – 11 p.m.), the total energy required would be 99.11 MWh. By contrast, if the contractual requirement were to be up to 2 hours within the 17 hour window, the energy requirement would be 11.66 MWh, with a corresponding decrease in cost and/or complexity for most resource types.	Please use the load curve on Figure 1 and load MW reduction needed on Table 2 to calculate the MWh requirement for the project.
12	Load Reduction	Is the 2030 peak power requirement (5.83 MW) required to be in place from the beginning of the solution'(s)' operational period, or is it preferable to scale up the peak power requirement in line with O&R's annual projected increase in load over the course of the contractual term?	The RFP lays out the amount of load relief needed (in MW) by year per Table 2 of the RFP. O&R is open to both methodologies, whichever is most cost effective and ensures the load reduction is accomplished.
13	Load Reduction	How many MWh is required for the worst contingency event each year during 2019-2030?	Please refer to #11
14	Load Reduction	How many events of load reduction are required per year?	Please refer to #9
15	Load Reduction	Can two events of load reduction (days of load reduction) be one after another one?	Yes
16	Load Reduction	Can a solution provide load relief for part of the daily need window (example: resource capable of 4 hours of load relief) and be eligible for payment?	Yes

17	Load Reduction	How far in advance will we receive notice of dispatch? Day Ahead? 2 Hour ahead?	Since this is a contingency violation it is O&Rs intention to give an hour ahead notice for the asset to come online and provide load relief. O&R may consider other arrangements depending on the technology being employed. This will be discussed in detail during contract negotiations.
18	Load Reduction	Will the load reduction required be applied only in the summer or the winter as well?	Summer months only
19	Load Reduction	Will O&R please provide central air conditioner penetration per customer segment?	O&R cannot provide this detail at this time.
20	Load Reduction	Will O&R please provide the room A/C penetration per customer segment?	O&R cannot provide this detail at this time.
21	Load Reduction	Will O&R please provide zip code lists based on the targeted network being evaluated for this NWA?	We encourage vendors to visit O&Rs online hosting capacity map to get further information on areas being served.
22	Load Reduction	Will O&R please provide any information regarding EV, storage, and solar located within this NWA territory?	O&R cannot provide this detail at this time.
23	Load Reduction	Does O&R know what % of customers either by count or by MW that are currently participating in existing EE or DR programs in these load pockets?	O&R cannot provide this detail at this time.
24	Load Reduction	Is there access to the device saturation and load potential study that is currently in process?	O&R cannot provide this detail at this time.
25	Load Reduction	Will specific load data for a year (Resi and SMB) be available for the customers or customer segments?	O&R cannot provide this detail at this time.
26	Load Reduction	Is residential water heater and pool pump penetration data available?	O&R cannot provide this detail at this time.
27	Load Reduction	Can additional details relating to the C&I customers be provided related to types of market segments, SBI verses C&I, Multifamily market segments, breakdown of and load in each zone.	O&R cannot provide this detail at this time.
28	Load Reduction	Is there any farm Ag business in this territory?	O&R is not aware of any farm Ag businesses in this area.
29	Load Reduction	Is O&R looking for resources to fit a current portion of the hours of relief needed between 6:00 AM – 11:00 PM, or is O&R looking to have the full needed reduction available during that entire period.	Vendor proposals should provide as much load relief as feasible, for time specified. O&R will aim to create a portfolio of projects that fits the need of the NWA area.
30	Load Reduction	If only a portion of the hours, can O&R provide additional details as to the period of times and allocation of the reduction?	Please refer to #29.

31	Load Reduction	Will O&R entertain a partial solution or is there a certain range of hours that provide a higher value?	O&R will entertain a partial solution with the intent of developing a portfolio which solves the entire need. O&R is not valuing assets on an hourly basis other than what is currently provided in existing tariffs.
32	Load Reduction	We need Max Summer KW for each of C & I Customers?	O&R cannot provide this detail at this time.
M&C			
33	M&C	Will there be a testing requirement if no contingency events are called during a particular year? If so, what is the planned duration of the test?	Testing will be required and may vary dependent on the technology proposed. Specific requirements will be determined during contract negotiations.
34	M&C	What baseline methodology will be used to verify load reductions? The same one currently in place for the existing O&R DR programs? Is there an opportunity to propose alternate baseline methodologies?	We plan to leverage the current methodology in place, but are open to exploring any alternatives the vendor may propose. Exact requirements will be discussed during contract negotiations.
35	M&C	Will there be performance payments for observed load reductions when load relief events are activated under the contract in addition to the contracted \$/kW of capacity?	O&R welcomes various vendor proposed compensation structures including, upfront/rebate, pay-for-performance, loans, etc. In the case that a vendor guarantees load relief in exchange for an upfront payment from O&R, O&R will not compensate the vendor for that same load relief via pay-for-performance mechanism.
Siting			
36	Siting	Is there any locational benefit to load relief provided at certain locations within the NWA (along a particular circuit) where provided relief would be of greater value to O&R?	There are no locational benefits within the NWA area. O&R encourages vendors to provide locations which would provide the best benefit for the distribution constraint detailed in the RFP.
37	Siting	At what specific point(s) on O&R's distribution infrastructure would the proposed solution(s) need to interconnect in order to create load reduction where it is needed under the contingency scenario O&R is contemplating?	Referring to Section 2.1 of the RFP, proposed solutions need to be located downstream of the double circuit construction.
38	Siting	Would it be possible to completely fulfill the use case specified at a single location?	It is possible.
39	Siting	Is load reduction required on all 3 outgoing feeders or can be achieved only at the "double circuit pole line – circuits 27-3-13 and 27-4-13" or at circuit "27-8-13"?	The scope of this NWA is to reduce the load on any or all three distribution circuits to improve load transfer capability.
40	Siting	Can Orange & Rockland propose own land to install storage systems in this RFP?	O&R currently does not own land which would be beneficial for the project.
Timeline			

41	Timeline	What is the latest eligible COD for resources participating in this RFP?	No specific COD has been determined at this time. Respondents should provide realistic assessments of the deployment schedule for the asset.
42	Timeline	What is the required in-service date for DER measures to address the load relief need?	Load reductions required per year for each summer peak period are provided in Table 2 of the RFP. It is the intent of this RFP to reduce load by those summer periods. Respondents should provide realistic assessments of the deployment schedule for the asset.
43	Timeline	Should we assume that DER measures need to be in place in order to provide load relief for summer 2019, per Table 2?	Yes
44	Timeline	Would ORU accept DER measures that provide load relief with in-service dates later than summer 2019?	O&R will consider measures that provide relief beyond 2019.
Other			
45	Other	As a follow on to the question above, will there be any requirements or restrictions around participating in O&R's other DR programs simultaneously if participating in an NWA contract?	O&R can not assure at this time that restrictions will not be imposed. Program requirements will be enforced.
46	Other	The hosting capacity map allows to see only the details for 2013 (hourly consumption) and 2016 forecasted peak load for entire substation only. Could you please either refresh the data of hosting capacity for circuits related to this RFP or provide seasonally maximum load curve for these circuits?	O&R's Hosting Capacity Map has been updated during the last week of July, 2018.
47	Other	Would the system be capable of serving wholesale markets at this POI?	Yes, O&R encourages vendors to explore opportunities to reduce project cost through wholesale market participation.
48	Other	Is it correct to understand that the submitted proposal is on a non-binding basis?	Yes, the submitted proposal is non-binding.
49	Other	Please confirm that furnishing of security is not necessary at the point of proposal submission. When is the exact timing for the security furnishing?	No security is required and any requirements will be determined in contract negotiations.
50	Other	What is the requested contract period for this project?	The requested contract period is 10 years, however, vendors may provide alternate contract periods.
51	Other	Is Orange & Rockland available to take on any role in customer acquisition?	O&R will not be responsible for customer acquisition. However, O&R may support communications to increase customer awareness, within the area of need.