

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

#	Category	Question	Response
1	Timeline	Can you please clarify the COD date for an energy storage solution, specifically can it be later than 2022?	The COD for this solution will be no later than April 2022
2	Load Relief	Please explain the reasoning for wanting to limit switching frequency (are there system considerations beyond time/resources to perform switching actions)?	The Distribution <b>Standard</b> Requires 100 percent backup for loss of a single circuit using a maximum of two switch moves resulting in less than 2,000 total customer hours of interruption.
3	Load Relief	Why can't relief be provided to 27-4-13 directly through (27-1-13, 27-2-13, 27-6-13, 27-7-13) somewhere around (Longitude: -73.9941, Latitude: 41.2022)? If there aren't switches, is there a condition preventing the use of switches?	This question does not pertain to the RFP at hand. This question deals with West Haverstraw NWA RFP, which is closed.
4	Load Relief	Why can't relief be provided to 27-4-13 through 27-5-13 at (-73.9825, 41.1992)? If there aren't switches, is there a condition preventing the use of switches?	This question does not pertain to the RFP at hand. This question deals with West Haverstraw NWA RFP, which is closed.
5	Other	Does Stony Point area station (through 23-3-13) have at least as much headroom as the MW capacity of the required relief? Is there a switch between 27-5-13 and Stony Point (Circuit 23-3-13)?	This question does not pertain to the RFP at hand. This question deals with West Haverstraw NWA RFP, which is closed.
6	Other	Do Congress area circuits have the required relief? Is there tie between Congress area circuits and the West Haverstraw area circuits? What is the technical issue preventing such tie during a contingency? Does the contingency of the double circuit pole obstruct the flow of power from Congress area if there is a switch?	This question does not pertain to the RFP at hand. This question deals with West Haverstraw NWA RFP, which is closed.
7	Siting	Will the bidder who wins the O&R NWA bid at Warwick use up all the LSRV at that location?	If a bidder is bidding in for the NWA solicitation they will not be eligible to receive any LSRV compensation
8	Metering	Can O&R please publish hourly (8760) electric demand data for the most recent year for the 8-2-13, 8-3-13, and 8-5-13 circuits in MS Excel format? This will be essential in sizing a solution in the most cost effective way. Any additional information or at least estimates for 2029 would be helpful, the more the better.	The circuits 80-2-13,80-3-13 and 80-5-13 MW need, yearly hours of risk and time of risk were provided. Please refer to the publicly available O&R hosting capacity map for additional information.
9	Metering	Can O&R please publish expected hourly (8760) electric demand data for the most recent year for the 8-2-13, 8-3-13, and 8-5-13 circuits in MS Excel format? This will be essential in sizing a solution in the most cost effective way.	Please refer to response for #10
10	Metering	Can O&R please provide historical outage information for the two transformer banks and circuits in question?	We cannot provide any historical outage data at this time. We will provide this data as needed to the vendors who are being short listed for the project
11	Metering	Can O&R please provide any additional information on the substation an feeder ratings for the circuits in question?	Typical Wisner circuit rating is 560amps, relief rating is 475amps. All circuits will operate between design rating 300amps and relief rating of 475amps, under extreme emergency we can operate up to the breaker rating of 560amps. The distribution conductor (main line rating) is rated for 600amps.
12	Timeline	Please confirm that the target operation date (COD) for the system is May 1, 2022?	Yes
13	Timeline	Please confirm that the target term for the performance period is 10 years, from 2022-2031? (minimum)	Yes
14	Siting	Please confirm that circuits 8-2-13 and 8-3-13 intersect at "Preferred Location 1" (aka the Field Site)?	Yes
15	Siting	Please confirm that circuits 8-2-13 and 8-5-13 meet in "Preferred Location 2" (aka the Town Location)?	Only 80-2 and 80-3 circuit needs can be met from the preferred O&R owned location
16	Timeline	Required COD is listed as 2022, is there a specific date in 2022?	The project needs to be ins service by April , 2022.
17	Metering	Can you provide excel tables behind the graphs in section 2.2 for the peak day load loss/capacity reductions needed?	At this time, we will not be providing additional data apart from those mentioned in the RFP
18	Metering	Can you specifically list the MW of capacity reduction needed per hour for each of the 3 circuits? We are unclear what the specific need is per the RFP documents as written	<b>Circuit 80-2-13 - 4MW - 29MWH</b> <b>Circuit 80-3-13 3 MW - 22 MWH,</b> <b>Circuit 80-5-13 3 MW - 24 MWH</b> <b>O&amp;R Preferred location can be used to provide for circuits 80-2 and 80-3</b>

19	Siting	If we had a site adjacent to the Wisner substation, would you allow an interconnection to the 13.2kV bus to serve any of the 3 impacted feeders (2,3 and 5) or will a unique DER system need to be interconnected to each of the 3 circuits?	Interconnection will not be possible at the substation bus. In the event of a transformer failure or other station emergency we would need to de-energize the entire station and interconnecting the asset into the bus would defeat the purpose of the NWA, since the DER asset will need to de-energize as well.
20	Program Agreement	Is there a limit to number of calls or MWh per year?	Vendor should plan for the event to be called at a minimum of 150 days of the summer.
21	Program Agreement	How much advance notice will there be before a capacity reduction event?	O&R will strive to provide a Day Ahead schedule before any event
22	DERs	If the DER solution is an energy storage system interconnected directly to the 13.2kV feeders, will a standby service tariff be imposed on the system such as standby service rate of SC No. 25? If yes, would this tariff be applied to all charging energy or only charging energy that is used outside the need of the NWA (for example in the NYISO market)?	Yes. Standby tariff would be applicable for charging energy that is used for the need of NWA. Utility will be picking up the cost of charging if the battery asset is used for NWA need. During other discharge/charge times, standby tariff will still be applicable, and the Utility will not pick up those cost of charging.
23	Evaluation	Can O&R provide the Net Present Value of the traditional solution for ten years?	To maintain competitive nature of the solicitation, we will not be providing traditional infrastructure cost at this time.
24	Evaluation	In Section 3.7 of the RFP, it is stated that "interconnection costs will be based on proposed solutions or will be borne by O&R and included in BC&A". Can O&R clarify as to whether we should include Interconnection Costs in our budgeted economics? Similarly, are there any circumstances where we should budget for interconnections costs?	O&R will pick up the cost of interconnection and developers should not be accounting for interconnection cost in their pricing
25	Siting	In Section 3.3 of the RFP, O&R identified a site location currently owned by O&R. Can O&R provide commercial terms for leasing this property for purposes of providing the NWA solution? Has O&R performed any environmental studies (i.e. SEQ Report) on the parcel of land? If so, can they provide as part of this RFP?	No - O&R has not completed SEQ studies
26	Siting	Is O&R open to solutions located outside Preferred Location 2 (i.e. the area outlined in red in Figure 1 in Section 3.3 of the RFP) to provide load relief on circuit 80-5-13?	Yes - however we do not see many options. We need to interconnect with 80-5-13 along Grand St or a small portion of Maple. Without knowing the exact location it would be difficult to review.
27	Load Relief	Is O&R open to front-of-the-meter solutions to provide load relief in all of the contingency situations outlined in the RFP? In other words, is O&R open to solutions that are not paired with customer loads to provide load relief in all of the contingency situations outlined in the RFP by injecting energy directly into the distribution system?	Yes - We are open to front of the meter solutions.
28	Program Agreement	Will O&R have control of the solution, or will the Respondent be responsible for operating the solution to provide load relief upon notification from O&R? In the case of the latter: (a) how long in advance of a contingency event will the Respondent be notified, and (b) will the Respondent be free to operate the solution as it sees fit to earn additional revenue on days when load relief is not required?	Respondents will be responsible for operating the system to provide load relief, As the need is for contingency (emergency) conditions. O&R will strive to provide Day Ahead dispatch to the operator to indicate when the DER will be required to dispatch
29	Load Relief	Regarding loss of Bank 280 or 380: Circuits 80-1-13, 80-2-13, and 80-3-13 are connected to Bank 280, and circuits 80-4-13 and 80-5-13 are connected to Bank 380. If one bank is lost, is load relief required on the circuits connected to the other bank? For example, if Bank 380 is lost, is load relief required on 80-1-13, 80-2-13, and/or 80-3-13 to keep the load on Bank 280 below its normal rating?	The RFP stated the needs based on our analysis, our review included many different scenarios such as bank issues and circuit contingencies (worst case). O&R will require load relief on the circuits mentioned in the RFP, regardless of either banks tripping
30	Load Relief	If Bank 280 and 380 have nameplate ratings of 25 MVA, why does the figure on page 9 of the RFP show that the load on Bank 280 must be kept below 27.4 MVA?	The bank 280 cannot exceed 27.4MVA due to banks LTE rating (4 hrs), when loads exceed the LTE either field switching/load shedding begins and must get below the LTE rating within 15 minutes. Once completed, additional field switching needs to be completed to get the transformer loading back within in its normal rating.

31	Metering	Can O&R provide an Excel or CSV file containing the data used to generate the load profiles shown in the figures on pages 9, 11, 12 and 13 of the RFP? If not, can O&R specify the maximum daily load relief required in MWh in each contingency situation? The MWh values provided in the Pre-Bid Conference Presentation are just the products of the MW and Hours values provided. Based on the load profiles shown in the figures on pages 9, 11, 12 and 13, the MW values provided are maximums, i.e. they are not constant over the timeframes provided. Therefore, the actual MWh requirements will be less than the MWh values provided in the Pre-Bid Conference Presentation.	We will not be providing this data at this time. Please refer to question #21 for more details
32	Load Relief	Regarding circuit contingencies: For example, when it says "MW Reduction needed on Loss of 80-2-13 on 80-3-13", does this indicate the MW reduction needed on 80-3-13 if 80-2-13 is lost? If so, does this mean that 80-2-13 is tied to 80-3-13?	Based on our review the best scenerio was for the loss of 80-2-13 to be tied to 80-3-13 and to use a DER during the contingency.
33	Load Relief	The maximum amount of load relief required on each of circuits 80-2-13 and 80-3-13 is 6.8 MW. Is there ever a situation in which 6.8 MW of load relief will be required on each circuit at the same time, i.e. should a solution that is able to provide load relief to both circuits have a capacity of 13.6 MW, or can it have a capacity of 6.8 MW so it can provide load relief to one or the other?	The solution should cover for bank contingency and circuit contingency. However, if circuit contingencies are addressed, bank contingencies will be addressed as well.
34	Siting	It is stated that O&R anticipates a project located at Preferred Location 1 will be able to provide load relief to circuits 80-2-13 and 80-3-13. As per the O&R Hosting Capacity Web Application, the shortest straight line distance from Preferred Location 1 to 80-3-13 is approximately 0.8 miles. Based on this fact, does O&R still anticipate a project located at Preferred Location 1 will be able to provide load relief to circuit 80-3-13? If so, will O&R bear the cost of running a line from Preferred Location 1 to circuit 80-3-13?	The preferred site 1, does identify the 80-2-13 on the O&R hosting site, however circuit 80-3-13 will be rerouted up Pelton Rd so that both circuits 80-2-13 & 80-3-13 can be served from the same site
35	Timeline	In Section 2.2 of the RFP, O&R identifies a MW need starting in 2020. Is there a specific month that O&R is targeting to have this solution available?	Projects need to be in service by April, 2022
36	Load Relief	In Section 2.2 of the RFP, in the 'Loss of Bank 280 or 380' subsection it says the data provided is typical for bank events that occur from May to September, and in Section 3.8 a five-month availability period is referenced. Should it be assumed that the five-month availability period will run from May to September and the solution will only be required to provide load relief during those months over the 10-year term?	We are looking at a time period from May1 through September 30th to provide for load relief. Additional dispatch maybe needed depending on ctoningencies that happen on the distribution system