PSEG Long Island's 2020 North Fork RFI
Clarifying Questions and Answers

1. **In the above excerpt from the RFI, do the 70 and 130 refer to the min and max loads in the North Fork region in total or net of the existing generation?**

   Answer: Neither. The 70 and 130MW refer to the minimum and maximum energy resources at North Fork. Minimum 70 MW ensures we are not lower than what we currently have there (Greenport GT and Southold GT), and the maximum 130 MW ensures the generation can be fully delivered without causing thermal constraint during peak and off-peak.

2. **What is the rationale for setting the upper limit on the procurement at 120 MW?**

   Answer: The upper limit of 120 MW was in error. The figure should be 130 MW. A corrected and RFI will be re-posted by May 1.

3. **Do you have an estimate of the total amount, considering transmission limitations, that could be injected in the North Fork area and used for local loads plus exports to the rest of the system?**

   Answer: See response to Question #1. The maximum 130 MW limit is calculated based on these considerations.

4. **Are they considering only storage paired with renewables or standalone storage as a generation resource?**

   Answer: We are considering both.

5. **Are we assuming existing generation stays in place, or is it in play as well?**

   Answer: Assume existing generation stays in place for now. No formal decision has been made at this time.

6. **Do you know locations where you would want to have additional supply, such that it makes sense to add a substation?**

   Answer: With regard to the RFI, not at this point in time.

7. **On page 8 of the presentation, it says the technical requirements include a minimum size of 5MW at one location. Would you entertain two systems that combine to equal 5MW at one location?**

   Answer: Yes, assuming a single point of interconnection and a single owner.

8. **What about one 3MW project that has low interconnection costs?**

   Answer: After considering the question, we will not accept anything less than 5 MW.

9. **Do we know when or if PSEGLI will be releasing an interactive hosting capacity map?**

Answer: This has not been considered up to this point. After consultation with internal subject matter experts, this map will not be available for the RFI, but may be available for a potential RFP.

10. **Does the timeframe preclude projects which have an earlier in-service date? Do folks have an advantage by being in the interconnection queue today? Is there favorability of queue position?**

    Answer: In terms of the in-service dates, projects are not precluded. There is no favorability for queue position.

11. **Is Shelter Island included in your definition of North Fork?**

    Answer: For the purposes of this RFI, we will consider interconnections at Shelter Island as well as North Fork.

12. **Can you describe your area of energy or demand need and timeframes of delivery?**

    Answer: The area of energy demand is Peconic out eastward to Orient Point. Projects should reach commercial operation no later than May 1, 2027. The MW sizing is in the RFI itself, describing maximum and minimum.

13. **Will 5 MW projects be eligible to be compensated through VDER?**

    Answer: PSEGLI/LIPA has not yet developed the evaluation criteria that will be used to select projects in an eventual RFP. For the purposes of this RFI, please perform your internal evaluation utilizing a non-VEDR pricing approach.

14. **Does 5 MW also apply to Load Reduction as well?**

    Answer: Yes.

15. **What format would an Intent to Respond take?**

    Answer: Simply an email with name, company, and confirmation of your intent to respond by the deadline.

16. **Min system size is 5 MWac, not DC, and the PV and Storage are NOT summed to determine system size? So, if I have a 5 MW PV + a 2 MW storage, this is a 5 MW system, right?**

    Answer: What we need is deliverability to the system in the size of 5 MWac.

17. **What is the required COD?**

    Answer: May 1, 2028 is the latest acceptable COD.

18. **If you could provide more info on the map where the Southold substation capacity vs the Peconic capacity is, that would be helpful.**

    Answer: We cannot provide that at this time.

19. **If the min size is 5 MW and there is no max, then the number of projects could be 1 to 24. Is that correct?**

Answer: This is correct. We do not expect to see a single 130MW (See answer to Question #2) project; however, our objective in issuing an RFI is to solicit ideas, and within the limits detailed, our intention is to invite input on solutions that might involve a range of numbers of projects to meet demand.

20. **Provide more information on the break between the Southold sub with 130 MW of capacity and the Orient Point location with only 8 MW so we know where the capacity in needed.**

    Answer: See RFI p. 10.

21. **Can you provide the current and projected 2025 North Folk area load curve?**

    Answer: Not at this time. Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

22. **Could you provide the current and projected 2025 Southold Substation and Southold feeder load curves?**

    Answer: Not at this time. Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

23. **Webinar Slide # 9 – Product Definition: Please confirm that stand-alone energy storage, independent of renewable energy resources, is among the applicable technologies being sought under this solicitation.**

    Answer: Stand-alone energy storage is an acceptable project. Note that a separate RFI solely for Energy Storage was recently issued by PSEG LI and is available for review. https://www.psegliny.com/aboutpseglongisland/-/media/CFDB7DF806404A3899A121AAAAED80CC.ashx

24. **Are there any voltage levels (13 kV versus 69 kV) that are preferred by LIPA for injection/load relief?**

    Answer: 69kV is preferred, but 23kV and 13kV may be acceptable depending on location.

25. **In Appendix B of this RFI, Southold sub shows a 130MW capacity and Orient Point an 8MW capacity. However, in the other PSEG Bulk Storage RFI, both of these subs show only a 5MW capacity. Could these competing signals be reconciled?**

    Answer: 5 MW capacity is the limitation in terms of what capacity of storage is desired in the PSEG Bulk Storage RFI. For the purposes of the North Fork RFI, we are specifying the maximum capacity – not simply storage capacity - that can be connected at these locations.

26. **In Section 2 of the RFI the requirements under consideration state a minimum size of 5MW at one location. We are asking if you would consider a smaller system (say 3MW) at one location and/or two smaller systems near each other getting to or near the 5MW. I know interconnection costs are a concern but sometimes going beyond a certain size (say 3MW)**

drives the interconnection costs to a point that prohibits the project, whereas, if we stay under a certain size, the project pencils.

Answer: See answer to Question 8.

27. **Will responses be sent to us, or will we need to check in with your website periodically to get answers?**

    Answer: Responses to all questions will be posted on the website.

28. **Please verify that the target area includes all of the electric load fed from the Peconic Substation east to and including Orient Point.**

    Answer: Verified.

29. **Please provide distribution circuit maps out of the Peconic substation to indicate the specific geographic areas covered under this RFI.**

    Answer: Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

30. **Is Shelter Island included in the area of need?**

    Answer: Yes. Shelter Island is a potential project location.

31. **Can you provide a Load Factor graph of the target area?**

    Answer: Not at this time. Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

32. **Please provide a list of the recent peak loads, by substation, for the area of need.**

    Answer: Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

33. **Can you provide additional detail about the distribution circuits loads in the area?**

    Answer: Not at this time. Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

34. **Can Load Reduction Resources aggregated to 5MW or more be considered to meet the minimum bid size?**

    Answer: Yes.

35. **Is it the goal of the RFI to replace the existing generation resources, particularly the 15 MW aging power plant, and if so, can the existing sites be used for development of the replacement resources?**

    Answer: At this time, existing sites are not available for resources sought via this RFI / RFP. Further clarification will be provided in the RFP, if issued.

36. **Can you clarify that the intent of the RFI and potential subsequent RFP would be for peak load reduction or whether it is to provide new baseload generation assets to meet the CLCPA?**

    Answer: Either is of interest, with a preference for baseload.

37. **Can you clarify the minimum acceptable project size – on page 3 reference is made to a "Minimum…aggregate required injections…[of] 70 MW…" whereas on page 4 the minimum project size is stated at 5 MW?**

    Answer: The minimum project size is 5 MW. The minimum total for all selected projects is 70 MW.

38. **Can you provide a timeline for the in-service dates for commercial operation or initial peak demand reduction?**

    Answer: The earliest COD is May 1, 2023. The latest COD is no later than May 1, 2027.

39. **Please provide additional detail about the peak day requirements, hours of need, weekday or weekend, seasonality, and the expected number of days during the year where peak demand reductions are needed.**

    Answer: Additional technical information will be provided in the RFP. However, Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

40. **Will PSEG-LI specify a preferred duration for a battery responding to the RFP? If so, what duration?**

    Answer: Storage duration should be between 4 and 8 hours.

41. **Will PSEG-LI give preference to solutions that can respond to the entire duration of the peak load (1PM to 9PM)? Will solutions that do not cover this whole peak be accepted?**

    Answer: Respondents to this RFI can suggest that consideration of solutions that do not cover the entire peak period be included in the subsequent RFP. No decision has been made at this point to limit solutions to specific time periods.

42. **Will PSEG-LI give preference to solutions with the ability to respond to both this North Fork NWA and the Battery Energy Storage RFP?**

    Answer: All projects will be evaluated based on the total benefits (and costs) to the system. To the extent that a solution addresses multiple needs, those benefits will factor into the evaluation of the project. However, each proposed project must address the specific requirements of the relevant RFP.

43. Can a solution bid into both the North Fork RFP and the Battery Energy Storage RFP with the same project location and point of interconnection?

Answer: This is a procurement matter that will be addressed in the North Fork RFP, if issued.

44. Given that PSEG-LI is considering building a substation to support some solutions, how will the utility consider these expenses in their quantitative bid review against projects that will use existing PSEG-LI infrastructure and/or build out new system upgrades?

Answer: Projects that are aggregated via a new substation to accomplish interconnection will share the cost of the system upgrade on a per MW basis. Projects that utilize existing infrastructure will be assigned system upgrade costs that are solely attributed to their project.

45. The BESS RFI Appendix B Estimated Hosting Capacity does not align with Maximum Injection Limit in this North Fork RFI. Please clarify this difference and which limit accurately represents how large of a project could interconnect at these North Fork substations.

Answer: See answer to Question 25.

46. Can you provide cost of the traditional 'wires' solution? In other words, is there a specific cost threshold ($/kW or $/kWh) that would meet cost effectiveness for these projects?

Answer: Those costs are under development and may be made available in the RFP, if issued.

47. Can you provide any more details around the size (MW) and duration (hours) a utility-scale energy storage system would need to provide to meet the load relief need?

Answer: This will depend upon the location of the resource in the system. Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

48. In the Bulk Energy Storage RFI, Southold and Orient Point substations are listed as "LIPA Preferred Locations" with hosting capacities of 5 MW. Would energy resources procured through the North Fork RFP negate the need for energy storage at and/or reduce the hosting capacities of these substations?

Answer: Yes, the Hosting Capacity would be affected. Conflicts between competing projects would be evaluated by PSEG LI.

49. Would the main purpose of an energy resource be to provide load relief at times when the substations serving the North Fork load pocket are overloaded?

Answer. That is one scenario. However, other operating conditions may also require these resources to be utilized.

50. **Will a successful developer/bidder be compensated on a $/kWh basis, or is PSEG Long Island open to a contract structure where the developer/bidder receives up front and annual payments over the contract term?**

    Answer: The respondent is free to suggest a contract structure or structures that it considers mutually beneficial to itself and LIPA, but it will be useful if the respondent also describes why a particular contract structure is considered mutually beneficial. PSEG LI will review all responses to this RFI and the results of its review will be reflected in the subsequent RFP.

51. **During the webinar it was stated that peak periods typically last 8-10 hours, between 1:00 PM and 9:00 PM. If the MW need is 120 MW, what is the MWh need? In other words, is the capacity need during peak periods constant, i.e., 5 MW from 1:00 PM to 9:00 PM for a total of 40 MWh, or is the capacity need variable?**

    Answer: Capacity need is variable. Respondents to the RFI are encouraged to suggest what specific technical information would be helpful in preparing their proposals in response to the RFP, if issued.

52. **What are the voltages of the Peconic, Southold, and Orient Point substations?**

    Answer: Peconic - 69 kV; Southold - 69kV; Orient Point - 23kV.

53. **I would like to know if there is any recording of the webinar on Thursday, April 23**

    Answer: No recording is available. The PowerPoint Presentation, however, is available on the PSEG LI website: https://www.psegliny.com/aboutpseglongisland/proposalsandbids/northforkrfi

54. **Will PSEGLI provide company-owned land?**

    Answer: See answer to Question 35.

55. **What is the earliest and latest COD required?**

    Answer: See answer to Question 38.

56. **What is the expected NWA value of this opportunity?**

    Answer: See answer to Question 46.