

**Leading Light  
Wind**

# **New Jersey's 3<sup>rd</sup> Offshore Wind Solicitation – Clarification Question Responses**

**Responses to October 6, 2023 clarification questions**



Prepared By

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Origination

## Contents

<b>Responses to NJBPU October 6<sup>th</sup>, 2023 questions.....</b>	<b>5</b>
NJBPU Question 1.....	5
Question 1 Response .....	5
NJBPU Question 2.....	5
Question 2 Response .....	5
NJBPU Question 3.....	5
Question 3 Response .....	5
NJBPU Question 4.....	5
Question 4 Response .....	6
NJBPU Question 5.....	6
Question 5 Response .....	6
NJBPU Question 6.....	6
Question 6 Response .....	6
NJBPU Question 7.....	6
Question 7 Response .....	6
NJBPU Question 8.....	6
Question 8 Response .....	6
NJBPU Question 9.....	6
Question 9 Response .....	6
NJBPU Question 10.....	6
Question 10 Response .....	7
NJBPU Question 11.....	7
Question 11 Response .....	7
NJBPU Question 12.....	7
Question 12 Response .....	7
Question 13 Response .....	8
NJBPU Question 14.....	8
Question 14 Response .....	8
NJBPU Question 15.....	9
Question 15 Response .....	9
NJBPU Question 16.....	9
Question 16 Response .....	9
NJBPU Question 17.....	9
Question 17 Response .....	9
NJBPU Question 18.....	9
Question 18 Response .....	9
NJBPU Question 19.....	10
Question 19 Response.....	10

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NJBPU Question 20.....	10
Question 20 Response .....	10
NJBPU Question 21.....	10
Question 21 Response .....	10
NJBPU Question 22.....	11
Question 22 Response .....	11
NJBPU Question 23.....	11
Question 23 Response .....	11
NJBPU Question 24.....	11
Question 24 Response .....	11
NJBPU Question 25.....	12
Question 25 Response .....	12
NJBPU Question 26.....	12
Question 26 Response .....	12
NJBPU Question 27.....	12
Question 27 Response .....	12
NJBPU Question 28.....	12
Question 28 Response .....	13
NJBPU Question 29.....	13
Question 29 Response .....	14
NJBPU Question 30.....	14
Question 30 Response .....	14
NJBPU Question 31.....	14
Question 31 Response .....	14
NJBPU Question 32.....	15
Question 32 Response .....	15
NJBPU Question 33.....	15
Question 33 Response .....	15
NJBPU Question 34.....	15
Question 34 Response .....	16

## Introduction

Dear Mr. Ferris and NJBPU Staff,

This document contains Leading Light Wind's (LLW) written responses to the BPU's October 6<sup>th</sup>, 2023 list of clarification questions related to our bid into New Jersey's 3<sup>rd</sup> offshore wind solicitation.

LLW believes that the initial set of responses herein fully cover the clarification questions. However, should additional information be needed related to these topics or any others, please advise and we will respond promptly. Thank you for your consideration of the LLW proposal.

Best Regards,  
The Leading Light Wind Project Team

## Responses to NJBPU October 6<sup>th</sup>, 2023 questions

### NJBPU Question 1

**Section ES.4: BPU Staff would like to pose clarifying questions directly to your proposed Tier 1 supplier partners, [REDACTED]. Please provide your authorization for this direct outreach, and please provide contact information for each such proposed Tier 1 supplier partner. Board Staff will copy you on any questions posed to each of your proposed Tier 1 supply partners. If you are not willing to authorize this direct outreach to one or more of these entities, please provide an explanation as to why in each case.**

#### Question 1 Response

LLW provides authorization for this outreach.

[REDACTED]

[REDACTED]

### NJBPU Question 2

**Section ES.4: The expansion of the [REDACTED] is described as creating “nearly 300 new permanent jobs for New Jersey.” Please confirm that these jobs will be solely part of the proposed [REDACTED] and in addition to any existing expected job creation at the facility [REDACTED].**

#### Question 2 Response

[REDACTED]

### NJBPU Question 3

**Attachment 2.3: Only the Executive Summary and Table of Contents are provided for Volume I of the Field Operations and Preliminary Results report. Please provide the full report content.**

#### Question 3 Response

The full Field Operations and Preliminary Results has been provided as Attachment A.

### NJBPU Question 4

**Attachment 2.3: Only the Table of Contents is provided for the Preliminary Geotechnical Interpretive Report. Please provide the full report content.**

#### Question 4 Response

The full Preliminary Geotechnical Interpretive Report has been provided as Attachment B.

#### NJBPU Question 5

**Attachment 2.4: Only the Table of Contents is provided for the Geotechnical Design Report. Please provide the full report content.**

#### Question 5 Response

The full Geotechnical Design Report has been provided as Attachment C.

#### NJBPU Question 6

**Attachment 2.4: Only the Table of Contents is provided for the Preliminary Soil Clustering Report. Please provide the full report content.**

#### Question 6 Response

The full Preliminary Soil Clustering Report has been provided as Attachment D.

#### NJBPU Question 7

**Attachment 2.6: Only the Table of Contents is provided for the Design Basis Report. Please provide the full report content.**

#### Question 7 Response

The full Design Basis Report has been provided as Attachment E.

#### NJBPU Question 8

**Attachment 2.6: Only the Table of Contents is provided for the [REDACTED] Conceptual Study Report. Please provide the full report content.**

#### Question 8 Response

The full [REDACTED] Conceptual Study Report has been provided as Attachment F.

#### NJBPU Question 9

**Attachment 2.6: Only the Table of Contents is provided for the [REDACTED] Conceptual Study Report. Please provide the full report content.**

#### Question 9 Response

The full [REDACTED] Conceptual Study Report has been provided as Attachment G.

#### NJBPU Question 10

**Section 4.2: Invenergy Wind Offshore states: “The market revenues — which are shown within the profit & loss statements to be refunded back to ratepayers during the 20-year OREC term as well as during the post-OREC**

merchant period...” a. Does Invenergy Wind Offshore propose to return market revenues to ratepayers after the OREC term? b. If yes, how will Invenergy Wind Offshore do this?

### Question 10 Response

[Redacted]

### NJBPU Question 11

*Attachment 4.1: Regarding the projection of OREC contract revenues, it does not appear that Invenergy Wind Offshore has included an estimate of the one-time post-Award inflation adjustment in the projection of OREC prices underlying the revenue stream.*

- a. Please confirm that this is the case.
- b. If this is not the case, please provide the estimated inflation adjustment and explain how it is included.
- c. If the one-time post-Award inflation adjustment is not included, has Invenergy Wind Offshore estimated the adjustment?
- d. If so, please provide the estimate

### Question 11 Response

- a. [Redacted]
- b. N/A
- c. [Redacted]
- d. Based on our analysis of the NJBPU inflation adjustment formula, we estimated the one-time post-Award inflation adjustment to have a mean value of [Redacted].

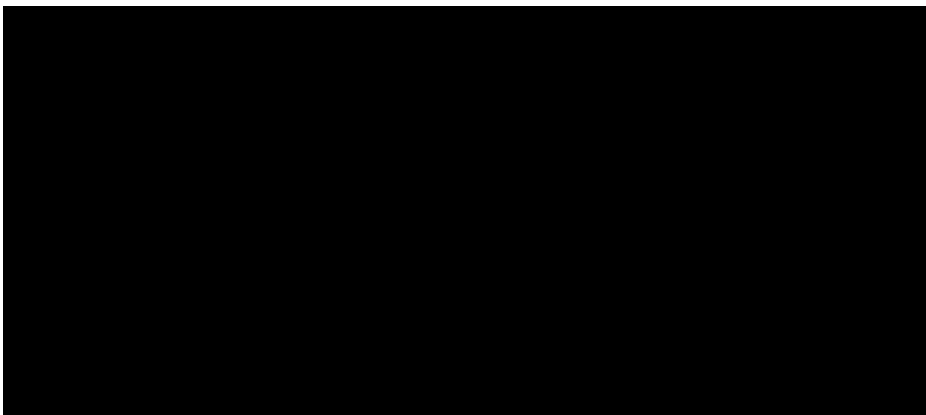
### NJBPU Question 12

*Attachment 4.1: Please provide a breakout of the PBI components by type and CapEx total.*

### Question 12 Response

A more detailed breakdown of the prebuild infrastructure CapEx by type is as follows:

[Redacted]



### NJBPU Question 13

**Attachment 4.1: Please specify the expected costs of leases associated with the PBI and the converter station at the Larrabee Collector Station that are included in the financial model, including the lease rate and term for each lease.**

#### Question 13 Response

In line with the NJBPU's response to Question #8 during the Q&A process for New Jersey's third offshore wind solicitation ("...any agreements between a Qualified Project and MOAD for land use should not involve substantial payments or fees, but there may be administrative costs to the arrangement"), we have only assumed [REDACTED].

For the PBI, the proposed routes for the prebuild circuits, as described in Section 2.3 of the bid narrative, [REDACTED].

### NJBPU Question 14

**Section 8.2: The total projected cost of [REDACTED]. a. Please confirm that these two numbers are internally consistent. b. If so, please clarify the makeup of the remaining [REDACTED] of the projected cost. c. Please clarify Leading Light Wind's contribution to the projected cost [REDACTED].**

#### Question 14 Response

- a. We can confirm that the numbers are internally consistent.
- b. The breakdown of the [REDACTED] is as follows:  
[REDACTED]
- c. The pricing presented in our bids assumes [REDACTED].



### NJBPU Question 15

**Section 8.2: Invenergy Wind Offshore states: “The pricing presented in this proposal assumes a total award group of 3,742 MW (as measured at the POI) and that all awarded projects contribute a POI capacity prorated amount to the [REDACTED]. If the size of the award group changes or if other projects do not propose to support [REDACTED], we are open to changing (including increasing) the size of our commitment to [REDACTED], but we reserve the right to reprice our projects in that case.” Please provide pricing for [REDACTED] for each of the six submitted Project configurations if Invenergy Wind Offshore were to be the sole award winner.**

#### Question 15 Response

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

### NJBPU Question 16

**Section 8.2: Please clarify the status of Invenergy Wind Offshore’s partnership with [REDACTED].**

#### Question 16 Response

LLW has a Letter of Intent (LOI) from [REDACTED] to participate in the project if LLW is awarded. This LOI was included in our original submission, Attachment 2.7.

### NJBPU Question 17

**Section 8.2: Please list the suitable alternative sites that have been identified for [REDACTED] if [REDACTED] is selected as a local supplier and space at the NJWP is not available.**

#### Question 17 Response

If [REDACTED] is selected as a local supplier and space is unavailable at NJWP, Invenergy Wind Offshore has identified [REDACTED] as suitable alternative sites.

### NJBPU Question 18

**Section 8.3: Please clarify the status of Invenergy Wind Offshore’s partnership with [REDACTED] to develop and administer the [REDACTED] including any letters of support, relevant agreements, etc.**

#### Question 18 Response

LLW has committed, in our bid for New Jersey’s third offshore solicitation, to supporting [REDACTED] development of the [REDACTED], a dynamic initiative which will [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] We included a copy of our LOI with [REDACTED], which articulates our commitment at a high level, in the Attachments to Section 8.

It should be noted that [REDACTED]  
[REDACTED]  
[REDACTED].

### NJBPU Question 19

**Section 8.4: Maximum rates (“up to ...”) are listed for OBC and SMWVBE participation goals.**

- a. Please clarify the minimum commitments, if any, to OBCs and to SMWVBEs.**
- b. To the extent there is any overlap in the commitments (e.g., to SMWVBEs in OBCs), please explain.**

#### Question 19 Response.

- a. LLW’s minimum commitments for in-state economic impacts for OBCs and SMWVBEs for the three project alternatives are included in Tables 8-30 through 8-32 in Section 8.6.
- b. The commitments for in-state economic impacts for OBCs and SMWVBEs are distinct and LLW does not intend to double-count expenditures towards the application of these commitments. In other words, [REDACTED]  
[REDACTED]. Expenditures that benefit OBCs are [REDACTED]  
[REDACTED]. All expenditures benefiting OBCs and SMWVBEs will be tracked, verified, tabulated, and reported in our regular reporting to the state, but in accounting for our commitments, there will be no double counting.

### NJBPU Question 20

**Section 8.4: The financial commitment to the [REDACTED] is listed as [REDACTED] in Table 8-5. Please clarify the minimum commitment guaranteed.**

#### Question 20 Response

As stated in Section 11 of our New Jersey third offshore solicitation submission: “[REDACTED]  
[REDACTED]”

The aforementioned financial commitments are contingent upon receipt of an third solicitation offtake award.

For clarification purposes, the [REDACTED]  
[REDACTED].

### NJBPU Question 21

**Section 8.5: Table 8-6 lists a financial commitment of up to [REDACTED] for the [REDACTED]  
[REDACTED]. Is this the same commitment as the [REDACTED] for [REDACTED]  
[REDACTED] listed in Table 9-3?**

#### Question 21 Response

Should LLW be awarded an OREC from NJBPU for [REDACTED]  
[REDACTED] wind turbine technician program expansion. Should LLW be awarded an OREC from NJBPU for [REDACTED]  
[REDACTED].

The funding commitment referenced above is encompassed within the [REDACTED] listed in Table 8-6 for [REDACTED] Wind Turbine Technician Program Expansion and is also the same commitment as the [REDACTED] listed in Table 9-3.

## NJBPU Question 22

**Section 8.5: Table 8-6 lists a financial commitment of [REDACTED]. Is this included in the [REDACTED] in Table 9-3?**

### Question 22 Response

Should LLW be awarded an OREC from NJBPU for either of the [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

## NJBPU Question 23

**Section 8.6: The Application States that Invenergy Wind Offshore has “identified specific scopes of work where focused efforts may be applied to achieve significant utilization of members of environmental justice and OBCs and other priority populations including SMWVBE and VOB/DVOB firms.”**

- a. Will Invenergy Wind Offshore’s in-state, NJ resident, and OBC hiring targets be made public?**
- b. Will Invenergy Wind Offshore’s SMWVBE and VOB/DVOB targets be made public?**

### Question 23 Response

- a. As stated in our September 1, 2023 deficiency response to the NJBPU, LLW is willing to make its in-state, New Jersey resident, and OBC targets public and will seek to comply with any forthcoming guidance from the NJBPU on this matter.
- b. LLW is willing to make its SMWVBE and VOB/DVOB targets public and will seek to comply with any forthcoming guidance from the NJBPU on this matter.

## NJBPU Question 24

**Attachment 8.1: Table 1 of [REDACTED]. What load bearing capacity at the NJWP, in pounds per square foot (“psf”), is required to accommodate [REDACTED]?**

### Question 24 Response

A load bearing capacity of [REDACTED] is required to accommodate [REDACTED] at the NJWP.

### NJBPU Question 25

**Attachment 8.1: Section 3 of [REDACTED] at NJWP. What load bearing capacity at the NJWP, in psf, is required to accommodate [REDACTED]?**

#### Question 25 Response

The maximum required bearing capacity is [REDACTED]

### NJBPU Question 26

**Attachment 8.1: Attachment 3 to [REDACTED] at NJWP. What load bearing capacity, in psf, is required to accommodate [REDACTED]?**

#### Question 26 Response

Please see our response to Question 25, [REDACTED].

### NJBPU Question 27

**Response to CQ1 Question 1 as submitted on September 11, 2023: Regarding the [REDACTED]:**

- a. How would starting [REDACTED] earlier mitigate project schedule risk if the [REDACTED] is unable to commit to delivering comparable parcels to those expected to be available at the NJWP?**
- b. How would a potential environmental remediation requirement affect the schedule and cost of utilizing [REDACTED]?**
- c. How would the site be raised out of the 100-year flood plain, what is the estimated cost of this effort, and how would this requirement affect schedule?**

#### Question 27 Response

- 1) [REDACTED]
- 2) [REDACTED]
- 3) To raise the [REDACTED] out of the 100-year flood plain, the site would need to be raised [REDACTED]

### NJBPU Question 28

**Appendix 10.3: The Offshore Wind Infrastructure Monitoring Plan submitted by Invenergy Wind Offshore is lacking in specificity. Please provide a more detailed description of your plans with respect to methodology,**

**scope, frequency, and duration. Given the lack of specificity with respect to these parameters, please explain how the infrastructure monitoring plan is manifested in the Project OREC price.**

### **Question 28 Response**

Please see the Excel workbook titled “CONFIDENTIAL\_LLW\_IMP\_Revised Table of Monitoring Studies” that was uploaded to the Levitan & Associates Sharefile site. The table in that workbook provides a more detailed description of LLW’s Infrastructure Monitoring Plan with respect to methodology, scope, frequency, and duration. This information was compiled and summarized as part of the development of the Offshore Wind Infrastructure Monitoring Plan (IMP) previously submitted by LLW as part of its initial bid submission. Note that details regarding the use of infrastructure for monitoring are subject to change based on [REDACTED].

Regarding how the IMP is manifested in the project OREC price, infrastructure monitoring has been budgeted for during the development, construction, and operations periods for the project.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Furthermore, Leading Light Wind will provide support for [REDACTED] that fosters innovation and collaboration within the offshore wind industry. Please refer to Table 9-2 (Community Benefits) in Section 9, Stakeholder Engagement which includes (but is not limited to) cost allocations for the potential partnerships presented in the IMP.

### **NJBPU Question 29**

**Appendix 10.3: The Offshore Wind Infrastructure Monitoring Plan states that the plan “will inform project planning related to Project construction, operations, and decommissioning activities, as well as inform assessment of potential impacts and avoidance and mitigation measures.”**

- a. Clarify if any of the monitoring equipment under consideration would be solely for purpose of collecting data for the benefit of New Jersey’s Research and Monitoring Initiative and would otherwise not be needed for the baseline site characterization or to support project design.**
- b. What is the amount of the proposed investment specifically dedicated to installing monitoring equipment on project infrastructure?**
- c. Is the proposed incremental investment included in the Bill of Goods-Project tab in the Application Form? If so, please clarify how or where it is included.**

### Question 29 Response

- a. Please see the Excel workbook titled "CONFIDENTIAL\_LLW\_IMP\_Revised Table of Monitoring Studies" that includes the table titled "[REDACTED]", especially Column G "Benefits of the Data/Partnerships."
- b. As the NJBPU notes, the IMP will inform planning related to project activities. The actual investment cost of procurement and installation of monitoring equipment will be further defined and firmed up as our project design (and the IMP alongside it) evolves. As mentioned in Question Response 28, [REDACTED].
- c. [REDACTED].

### NJBPU Question 30

**Section 11.5:** *The Application states that Invenergy Wind Offshore has commissioned comprehensive preliminary assessments of fisheries in the project area from consultants. Please identify these consultants and describe each respective consultant's relevant experience.*

### Question 30 Response

LLW has commissioned comprehensive, preliminary assessments of fisheries in the Project Area from [REDACTED].

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]; resumes for principal staff contributing to the Leading Light Wind Project are provided as Attachment I.

### NJBPU Question 31

**Section 12.2:** *The caption for Figure 12-7 states: "Leading Light Wind expects to occupy [REDACTED], which will become available in Q1 2030." What load bearing capacity, in psf, is required to accommodate Invenergy Wind Offshore's marshaling activities?*

### Question 31 Response

NJEDA's planned ground bearing capacity of the New Jersey Wind Port [REDACTED] for both the berth ([REDACTED]) and upland area ([REDACTED]) are sufficient for LLW's marshaling activities, but additional localized load spreading, in the form of load spreading mats or beams, will likely be required to support some crane operations and component storage. [REDACTED]

## NJBPU Question 32

**Section 14.5: This section identifies the federal state, and local permitting requirements.**

- a. Please identify each of the environmental consultants and/or permit specialist firms who will assist Invenergy Wind Offshore, and the area(s) of responsibility for each.**
- b. For each consultant expected to be engaged, please provide relevant experience and expertise in offshore wind permitting and development.**

### Question 32 Response

Environmental consultants that will be tasked with the numerous permitting and environmental studies associated with developing the LLW project will be contracted following confirmation of the final scope and an offtake award.

However, numerous environmental consultants have supported LLW to date, and many of these firms will continue to support Invenergy in some capacity on work related to our project (as defined in our bid). These firms include but are not limited to [REDACTED]

[REDACTED]. Additionally, as described in Section 8.4 “Local supplier engagement plan” of our New Jersey third solicitation proposal, [REDACTED]. LLW fully expects that some portion of this [REDACTED] will be directed to SMWVBEs that can provide a strong local perspective on the environmental services needed to execute a project of this magnitude.

Any consulting firm that LLW’s lead developer, Invenergy, contracts with [REDACTED]

## NJBPU Question 33

**Section 17.2: Please provide electronic workpapers corresponding to all benefit-cost analysis. Such workpapers should include all formulas.**

### Question 33 Response

A set of worksheets corresponding to the benefit-cost analyses for each of our project/bid alternatives, with formulas where appropriate, have been uploaded to the Levitan & Associates Sharefile website. Please see [REDACTED]

## NJBPU Question 34

**Section 17.6: Regarding Table 17-12:**

- a. Please confirm whether the rate impacts shown are inclusive of the Prebuild and/or Storage for each option.**
- b. Please provide versions of the table for each Project-only option with and without Storage, each Prebuild option and each Project+Prebuild option.**

**Question 34 Response**

- a. The caption for Table 17-12 was mistakenly provided as a copy of the caption for Table 17-11. The caption for Table 17-12 should be as follows: "New Jersey residential, commercial, and industrial utility bill information (U.S. Energy Information Agency)."

b.

[Redacted]

[Redacted]

[Redacted]







## Attachment A

# Field Operations and Preliminary Results



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## **Attachment B**

**Preliminary**

**Geotechnical**

**Interpretive Report**



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**Attachment C**  
**Geotechnical**  
**Design Report**



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**Attachment D**  
**Preliminary Soil**  
**Clustering Report**



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# Attachment E

## Design Basis

## Report



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## Attachment F



# Conceptual Study Report



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## **Attachment G**

# **Scour Protection Conceptual Study Report**



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## **Attachment H**

# **New Jersey Economic Development Authority Wind Innovation Center Request for Expressions of Interest Letter of Support**



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## Attachment I

Resumes for [REDACTED]

[REDACTED] Principal

Staff



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