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March 16, 2010

Ms. Luly Massaro, Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**Re: *Review of Proposed Town of New Shoreham
Project, Pursuant to R.I.G.L. § 39-26.1-7
Docket No. 4111***

Dear Ms. Massaro:

Enclosed please find an original and nine (9) copies of Deepwater Wind Block Island, LLC's Response to Commission Record Requests 4, 5, 6, 10 and 12. Please note that electronic versions of these documents have been previously provided to the service list.

Thank you for your attention to this matter. If you have any questions, please do not hesitate to contact me.

Sincerely,

Joseph A. Keough, Jr.

JAK:prc
Enclosures

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2011 MAR 16 PM 2:57
PUBLIC UTILITIES COMMISSION

**STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION
DOCKET No. 4111
JOINT RESPONSE OF DEEPWATER WIND BLOCK ISLAND, LLC
AND NATIONAL GRID
TO
THE RHODE ISLAND PUBLIC UTILITIES COMMISSION'S
HEARING RECORD REQUESTS**

Comm. RR 4: Describe how the term of the contract can be extended for force majeure and the impact of a force majeure extension on the Escalation Date and Contract Year.

Response: Section 10.3 of the PPA provides that if, during the Services Term, a Force Majeure event lasts longer than sixty (60) days, the party claiming force majeure may extend the Services Term day for day for the period of the Force Majeure, up to an aggregate of thirty-six months (including any extensions related to an outage of the transmission cable). The Escalation Date and the start and end of the Contract Year are reset by the number of days of the Force Majeure extension.

For example, assume that the initial Contract Year commenced on September 30, 2012, and starting in 2013 the PPA price initially was to escalate on January 1 of each calendar year. If a party claims a 61 day Force Majeure extension, then the start of each subsequent Contract Year would be December 1 and the Escalation Date would be March 3.

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Comm. RR 5: Describe the “PPA Regulatory Approval” condition in section 8.1 of the PPA.

Response: The term “PPA Regulatory Approval” is a defined term appearing in Section 1 of the PPA on page 7. National Grid and Deepwater understand this definition, and the related language in Section 8.1 of the PPA, to have the following meaning:

The PPA is binding on the parties subject to the condition subsequent that the PUC approve the PPA (including recovery by National Grid of its costs incurred under the PPA and remuneration equal to 2.75 percent of National Grid’s actual annual payments under the PPA), as required by R.I.G.L. Sec. 39-26.1-7. If

- i. The PUC’s approval of the PPA materially modifies the PPA,
- ii. The PUC’s approval contains a material condition, and/or
- iii. The PUC does not issue its approval within one year after the initial filing in this docket

then either (a) the PPA terminates or (b) pursuant to Section 18 of the PPA, the parties may waive the condition subsequent and the PPA remains in full force and effect.

For the PPA to be effective, the approval also must be final and not subject to appeal or rehearing. With respect to the approval, the order also must be acceptable to National Grid in its sole discretion. This means that if there are any conditions or requirements in the order approving the PPA that were not reasonably expected by National Grid (rendering the approval unacceptable in its own judgment exercised in good faith), National Grid has the right to decline to give the notice necessary for the effectiveness of the agreement, as set forth in Section 8.1. As stated, above, the exercise of this right must be in good faith. That is, as long as there is a good faith basis for the exercise of this judgment, National Grid’s decision is not subject to challenge.

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COMM. RR 6: Please state whether Deepwater Wind ever sought preferential treatment of RECS from the Block Island Wind Farm Project similar to the treatment of RECS in the Bluewater Contract as described during the course of the hearings.

Response: To the best of my knowledge, Deepwater Wind never sought similar treatment of RECS in the PPA before the Commission.

Prepared by: William Moore

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COMM. RR 10: Please describe the interconnection points between the Block Island Wind Farm and Block Island, and between Block Island and the mainland. Please set forth whether the costs of the interconnection components are covered by the PPA or the Cable Agreement that National Grid and Deepwater Wind are currently negotiating.

Response: Please see attached.



BLOCK ISLAND WIND FARM (BIWF)

&

BLOCK ISLAND TRANSMISSION SYSTEM (BITS)

System Configuration Description

March 12 2010

Deepwater Wind, Rhode Island
56 Exchange Terrace, Suite 101
Providence RI 02903

Contact:
Paul Rich
prich@dwwind.com
Direct: 401-648-0606

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Appendix 1

System One-Line Diagram

SECTION 1 BLOCK ISLAND WIND FARM (BIWF) & BLOCK ISLAND TRANSMISSION SYSTEM (BITS)

1.1 INTRODUCTION

BIWF

Deepwater Wind (Rhode Island) is currently planning the Block Island Wind Farm (BIWF) approximately 2.8 miles off the south east coast of Block Island in Rhode Island. It is proposed that between 6 and 8 offshore wind turbine generators (WTG) will be deployed. The wind farm shall generate a nominal nameplate output of between 28.8mw and 30mw. The Wind Turbine Generators (WTG) will be situated in a single string in an arc formation approximately 850m apart with each WTG connected in series via 34.5kV submarine cable. The first WTG in the string will be connected back via an export cable at 34.5kv to a new Sub Station on Block Island.

BITS

In connection with the deployment of the BIWF project Deepwater Wind (Rhode Island) is planning to develop and construct the Block Island Transmission System (BITS) project. The BITS project consists of a transmission system approximately 22 miles in length connecting the Block Island Power Company (BIPCO) with the existing National Grid 34.5kV transmission system near Narragansett RI. The BITS project will include approximately 20 miles of submarine transmission cable between Block Island and the Rhode Island mainland.

1.2 PROJECT LOCATION & CONFIGURATION

As stated above the turbines for the BIWF will be located approximately 2.8 miles off the south east coast of Block Island, 3-core, submarine cable at 34.5kv will interconnect each turbine in series and a 34.5kv submarine “Export” cable will interconnect the last turbine in the string to Block Island. On Block Island the submarine export cable will be spliced to standard land cable which will be routed approximately 1 mile in an underground duct system to the BIPCO property.

The BITS system cable will run from the BIPCO property on Block Island via an underground duct route to the beach landing, there it will be spliced to 3-core, 34.5kv submarine cable which will run approximately 20 miles to Narragansett RI. At the

Narragansett landing the submarine cable is again spliced to standard land cable and routed via an underground duct to intercept the existing National Grid 3302 34.5kV transmission line approximately 1 mile inland from the landing point. Figure 1 below shows the basic geographical layout of the BIWF and BITS projects. NOTE: Distances on Figure 1 are preliminary and detailed design is still on-going.

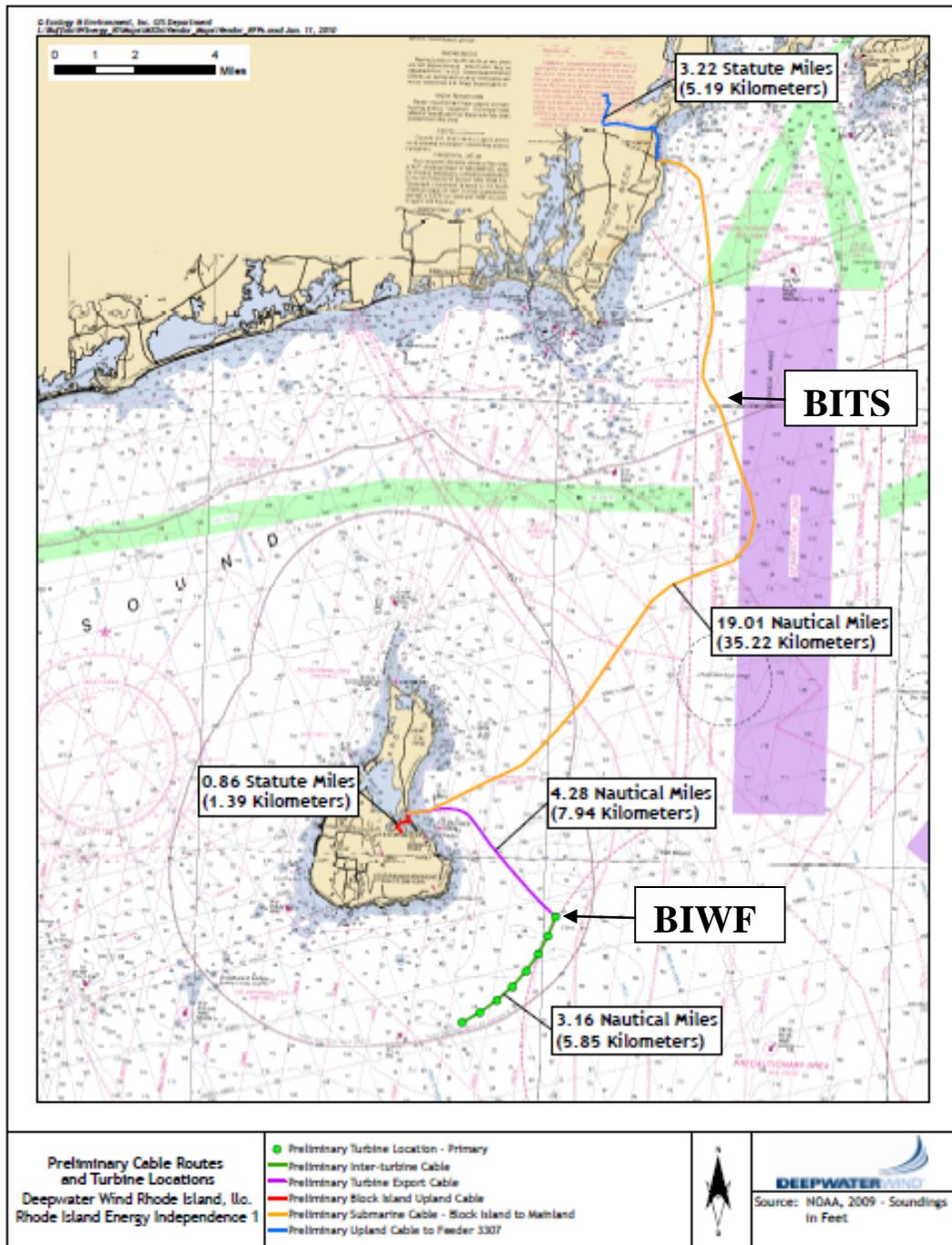


Figure 1: BIWF & BITS Cable Routes

SECTION 2 ELECTRICAL LAYOUT

2.1 BASIC DESIGN PREMISE

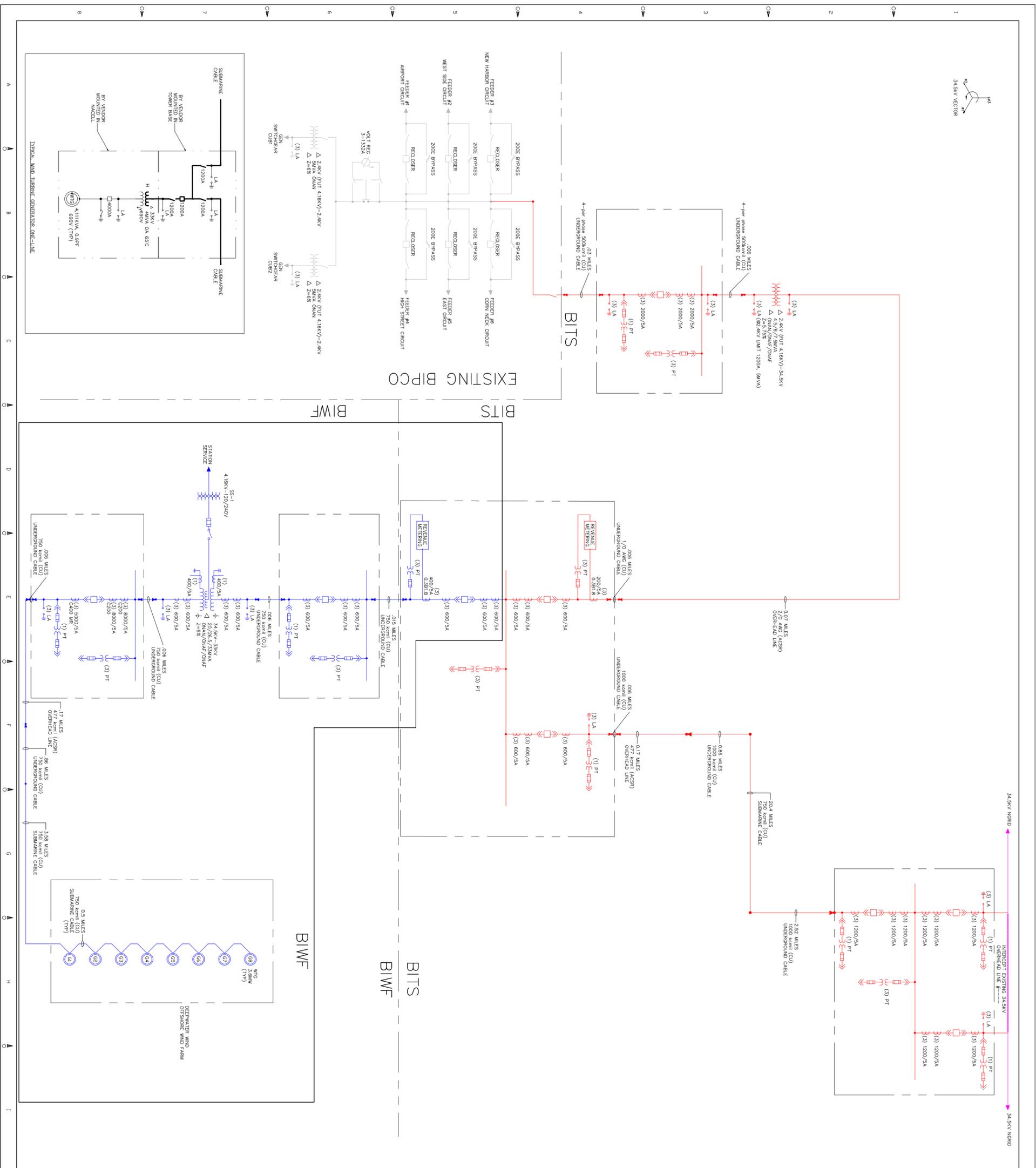
In order to concur with the system study requirements of ISO NE basic design assumptions for BIWF and BITS were made by the Deepwater engineering team with regard to cable conductor sizes, cable burial depth, soil resistivity, transformer designs etc. A basic system design was generated and submitted to the ISO NE for system studies to be carried out. The system impact study is still on-going and is expected to be completed shortly. In order to complete the detailed system design empirical field studies and surveys to gather engineering data are now getting underway and should be completed by July/August of 2010.

2.2 ELECTRICAL ONE-LINE DIAGRAM

The submittal of study data to ISO NE was basically centered on the system one-line diagram which is a schematic drawing showing the interconnection of both BIWF and BITS components. (NOTE: As the detailed design continues this on-line diagram will be updated) The current version of the one-line diagram is attached herein as **Appendix 1**.

As can be seen on the one line diagram there is a color code distinguishing the BIWF system components and the BITS system components. The BITS components are coded in red and the BIWF components are coded in Blue. The PPA covers the blue components and the BITS Transmission Facilities Purchase Agreement (TPFA) covers the components in red.

APPENDIX 1



- NOTES:**
- 1.

- LEGEND:**
- TRANSFORMER
 - DETA CONNECTION
 - WTE GROUND CONNECTION
 - CIRCUIT SWITCHER
 - PT = POTENTIAL TRANSFORMER (PT)
 - LA = LINE ARRESTOR
 - CB = CABLE BREAKER
 - CBR = CABLE REPAIR
 - CBT = CABLE TERMINATION
 - CBM = CABLE MOUNTING
 - CBN = CABLE NUT
 - CBW = CABLE WELD
 - CBX = CABLE CROSSING
 - CBY = CABLE YIELDING
 - CBZ = CABLE ZONE
 - CBAA = CABLE AREA
 - CBAB = CABLE AREA BOUNDARY
 - CBAC = CABLE AREA CODE
 - CBAD = CABLE AREA DESCRIPTION
 - CBAE = CABLE AREA EQUIPMENT
 - CBAF = CABLE AREA FEEDER
 - CBAG = CABLE AREA GROUP
 - CBAH = CABLE AREA HAZARD
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 - CBAK = CABLE AREA KEY
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 - CEKK = CABLE AREA KEY KEY
 - CEKL = CABLE AREA KEY LABEL
 - CEKM = CABLE AREA KEY MATERIAL
 - CEKN = CABLE AREA KEY NAME
 - CEKO = CABLE AREA KEY NUMBER
 - CEKP = CABLE AREA KEY POSITION
 - CEKQ = CABLE AREA KEY QUANTITY
 - CEKR = CABLE AREA KEY RATING
 - CEKS = CABLE AREA KEY SIZE
 - CEKT = CABLE AREA KEY TYPE
 - CEKU = CABLE AREA KEY UNIT
 - CEKV = CABLE AREA KEY VALUE
 - CEKW = CABLE AREA KEY WEIGHT
 - CEKX = CABLE AREA KEY EXTENSION
 - CEKY = CABLE AREA KEY YIELDING
 - CEKZ = CABLE AREA KEY ZONE
 - CELA = CABLE AREA LABEL
 - CELB = CABLE AREA LABEL BOUNDARY
 - CELC = CABLE AREA LABEL CODE
 - CELD = CABLE AREA LABEL DESCRIPTION
 - CELE = CABLE AREA LABEL EQUIPMENT
 - CELF = CABLE AREA LABEL FEEDER
 - CELG = CABLE AREA LABEL GROUP
 - CELH = CABLE AREA LABEL HAZARD
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 - CELL = CABLE AREA LABEL LABEL
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 - CENZ = CABLE AREA NAME ZONE
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 - CEOC = CABLE AREA OPTION C
 - CEOD = CABLE AREA OPTION D
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 - CEOH = CABLE AREA OPTION H
 - CEOI = CABLE AREA OPTION I
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 - CEOK = CABLE AREA OPTION K
 - CEOL = CABLE AREA OPTION L
 - CEOM = CABLE AREA OPTION M
 - CEON = CABLE AREA OPTION N
 - CEOO = CABLE AREA OPTION O
 - CEOP = CABLE AREA OPTION P
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 - CEOR = CABLE AREA OPTION R
 - CEOS = CABLE AREA OPTION S
 - CEOT = CABLE AREA OPTION T
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 - CEOV = CABLE AREA OPTION V
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 - CETZ = CABLE AREA TYPE ZONE
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 - CEUX = CABLE AREA UNIT EXTENSION
 - CEUY = CABLE AREA UNIT YIELDING
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 - CEYX = CABLE AREA YIELDING EXTENSION
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 - CEZW = CABLE AREA ZONE WEIGHT
 - CEZX = CABLE AREA ZONE EXTENSION
 - CEZY = CABLE AREA ZONE YIELDING
 - CEZZ = CABLE AREA ZONE ZONE

NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	34 kV NGRD	1	LINE	
2	0.17 MILES OVERHEAD LINE	1	LINE	
3	0.86 MILES (ACSR) 1000 kcmil (CU) UNDERGROUND CABLE	1	LINE	
4	0.17 MILES (ACSR) 1000 kcmil (CU) UNDERGROUND CABLE	1	LINE	
5	0.86 MILES (ACSR) 1000 kcmil (CU) UNDERGROUND CABLE	1	LINE	
6	0.17 MILES (ACSR) 1000 kcmil (CU) UNDERGROUND CABLE	1	LINE	
7	0.86 MILES (ACSR) 1000 kcmil (CU) UNDERGROUND CABLE	1	LINE	

**STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION
DOCKET No. 4111
DEEPWATER WIND BLOCK ISLAND, LLC
RESPONSE TO
THE RHODE ISLAND PUBLIC UTILITIES COMMISSION'S
HEARING RECORD REQUESTS**

COMM. RR 12: Describe return on equity (ROE) and internal rate of return (IRR).

Response: ROE is a historical performance measure of return to investors. IRR is the projection of return to investors over the economic life of an investment. When accounting for debt as part of cash flows, levered IRR is equal to the projected average of expected ROE over the economic life of an investment.

For the purpose of assessing the PPA, it would be appropriate to treat Deepwater Wind's levered IRR calculations as approximately equivalent to a utility's ROE.