Oceanview 3,000 MW DC Injection

General Information

Proposing entity name	NEETMH
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	2-O30
PJM Proposal ID	15
Project title	Oceanview 3,000 MW DC Injection
Project description	Two 1,500 MW HVDC Symmetrical Monopole systems connecting offshore platforms in the Hudson South lease area to a new Neptune 230 kV switchyard near the existing Oceanview 230 kV substation. Loop in the existing Oceanview-Atlantic 230 kV double circuit tower into Neptune 230 kV. Reterminate the Oceanview-Larrabee 230 kV line from Oceanview to the new Neptune 230 kV switchyard.
Email	Johnbinh.Vu@nexteraenergy.com
Project in-service date	06/2028
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	See Attachment 1, Section 3.4
Project Components	

- 1. Offshore Platform A Asbury Park Landing HVDC
- 2. Offshore Platform B Asbury Park Landing HVDC
- 3. Asbury Park Landing Neptune Converter Station HVDC

- 4. Offshore Platform A
- 5. Offshore Platform B
- 6. Neptune Converter Station
- 7. Loop in existing Atlantic Oceanview 230 kV OH line Circuit X at NEETMA...
- 8. Loop in existing Atlantic Oceanview 230 kV OH line Circuit Y at NEETMA...
- 9. Loop in existing Atlantic Oceanview 230 kV OH line Circuit X at NEETM...
- 10. Loop in existing Atlantic Oceanview 230 kV OH line Circuit Y at NEETM...
- 11. Reconductor and reterminate existing Larrabee Oceanview 230 kV OH line

Greenfield Transmission Line Component

Project description Submarine HVDC Symmetrical incompole system from Offshore Platform A to Asbury Park Landing. NEETMA will deliver 1,500 MW at the onshore point of injection. Actual losses will be calculated based upon the exact location intervention offshore platform and incorporated into the final cable design Point A Offshore Platform A Point B Asbury Park Landing Point C Mormal ratings Summer (MVA) 1500.00000 Winter (MVA) 1500.00000 Vinter (MVA) 1500.00000 Ordinal voltage DC Nominal voltage QU Line construction type Submarine General route description See Attachments 4, 19, and 22	Component title	Offshore Platform A – Asbury Park Landing HVDC	
Point BAsbury Park LandingPoint CMormal ratingsEmergency ratingsSummer (MVA)1500.00001500.00000Vinter (MVA)1500.00001500.00000Conductor size and type200mm2 copperNominal voltageDC	Project description	NEETMA will deliver 1,500 MW at the onshore point of injection. Actual losses will be calculated	
Point C Mormal ratings Foregency ratings Summer (MVA) 15000000 1500000 150000 1	Point A	Offshore Platform A	
Normal ratingsEmergency ratingsSummer (MVA)150.00000Winter (MVA)150.00000Conductor size and type200mm2 copperNominal voltageDCNominal voltage400Line construction typeSumarine <th>Point B</th> <th colspan="2">Asbury Park Landing</th>	Point B	Asbury Park Landing	
Summer (MVA)1500.000001500.00000Winter (MVA)1500.000001500.00000Conductor size and type2000mm2 copperNominal voltageDCNominal voltage400Line construction typeSubmarine	Point C		
Winter (MVA)1500.000001500.00000Conductor size and type200mm2 copperNominal voltageDCNominal voltage400Line construction typeSubmarine		Normal ratings	Emergency ratings
Conductor size and type2000mm2 copperNominal voltageDCNominal voltage400Line construction typeSubmarine	Summer (MVA)	1500.000000	1500.000000
Nominal voltageDCNominal voltage400Line construction typeSubmarine	Winter (MVA)	1500.000000	1500.000000
Nominal voltage 400 Line construction type Submarine	Conductor size and type	2000mm2 copper	
Line construction type Submarine	Nominal voltage	DC	
	Nominal voltage	400	
General route description See Attachments 4, 19, and 22	Line construction type	Submarine	
·	General route description	See Attachments 4, 19, and 22	

Terrain description	See Attachments 19 and 22
Right-of-way width by segment	See Attachments 4 and 22
Electrical transmission infrastructure crossings	See Attachment 7
Civil infrastructure/major waterway facility crossing plan	See Attachment 7
Environmental impacts	See Attachment 19
Tower characteristics	See Attachment 6
Construction responsibility	Proposer
Benefits/Comments	See Attachment 1, Section 3.4
Component Cost Details - In Current Year \$	
Engineering & design	Confidential competitive information
Permitting / routing / siting	Confidential competitive information
ROW / land acquisition	Confidential competitive information
Materials & equipment	Confidential competitive information
Construction & commissioning	Confidential competitive information
Construction management	Confidential competitive information
Overheads & miscellaneous costs	Confidential competitive information
Contingency	Confidential competitive information
Total component cost	\$275,609,997.00
Component cost (in-service year)	\$290,667,192.00
Greenfield Transmission Line Component	

Component title

Offshore Platform B –Asbury Park Landing HVDC

Project description	Submarine HVDC Symmetrical monopole system from Offshore Platform B to Asbury Park Landing. NEETMA will deliver 1,500 MW at the onshore point of injection. Actual losses will be calculated based upon the exact location of the offshore platform and incorporated into the final cable design	
Point A	Offshore Platform B	
Point B	Asbury Park Landing	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	1500.000000	1500.000000
Winter (MVA)	1500.000000	1500.000000
Conductor size and type	2000mm2 copper	
Nominal voltage	DC	
Nominal voltage	400	
Line construction type	Submarine	
General route description	See Attachments 4, 19, and 22	2
Terrain description	See Attachments 19 and 22	
Right-of-way width by segment	See Attachments 4 and 22	
Electrical transmission infrastructure crossings	See Attachment 7	
Civil infrastructure/major waterway facility crossing plan	See Attachment 7	
Environmental impacts	See Attachment 19	
Tower characteristics	See Attachment 6	
Construction responsibility	Proposer	
Benefits/Comments	See Attachment 1, Section 3.4	

Component Cost Details - In Current Year \$

Engineering & design	Confidential competitive information		
Permitting / routing / siting	Confidential competitive information		
ROW / land acquisition	Confidential competitive inform	nation	
Materials & equipment	Confidential competitive inform	nation	
Construction & commissioning	Confidential competitive inform	nation	
Construction management	Confidential competitive inform	nation	
Overheads & miscellaneous costs	Confidential competitive inform	nation	
Contingency	Confidential competitive inform	nation	
Total component cost	\$303,069,119.00	\$303,069,119.00	
Component cost (in-service year)	\$318,789,001.00		
Greenfield Transmission Line Component			
Component title	Asbury Park Landing – Neptur	ne Converter Station HVDC	
Project description	Two terrestrial HVDC Symmet Landing to Neptune Converter	rical monopole systems in a common duct bank from Asbury Park Station	
Point A	Asbury Park Landing		
Point B	Neptune Converter Station		
Point C			
	Normal ratings	Emergency ratings	
Summer (MVA)	1500.000000	1500.000000	
Winter (MVA)	1500.000000	1500.000000	
Conductor size and type	6000kcmil copper		

Nominal voltage	DC
Nominal voltage	400
Line construction type	Underground
General route description	See Attachments 4, 19, and 22
Terrain description	See Attachments 19 and 22
Right-of-way width by segment	See Attachments 4 and 22
Electrical transmission infrastructure crossings	See Attachment 7
Civil infrastructure/major waterway facility crossing plan	See Attachment 7
Environmental impacts	See Attachment 19
Tower characteristics	See Attachment 6
Construction responsibility	Proposer
Benefits/Comments	See Attachment 1, Section 3.4
Benefits/Comments Component Cost Details - In Current Year \$	See Attachment 1, Section 3.4
	See Attachment 1, Section 3.4 Confidential competitive information
Component Cost Details - In Current Year \$	
Component Cost Details - In Current Year \$ Engineering & design	Confidential competitive information
Component Cost Details - In Current Year \$ Engineering & design Permitting / routing / siting	Confidential competitive information Confidential competitive information
Component Cost Details - In Current Year \$ Engineering & design Permitting / routing / siting ROW / land acquisition	Confidential competitive information Confidential competitive information Confidential competitive information
Component Cost Details - In Current Year \$ Engineering & design Permitting / routing / siting ROW / land acquisition Materials & equipment	Confidential competitive information Confidential competitive information Confidential competitive information Confidential competitive information
Component Cost Details - In Current Year \$ Engineering & design Permitting / routing / siting ROW / land acquisition Materials & equipment Construction & commissioning	Confidential competitive information Confidential competitive information Confidential competitive information Confidential competitive information Confidential competitive information
Component Cost Details - In Current Year \$ Engineering & design Permitting / routing / siting ROW / land acquisition Materials & equipment Construction & commissioning Construction management	Confidential competitive information Confidential competitive information Confidential competitive information Confidential competitive information Confidential competitive information

Component cost (in-service year) \$174,894,840.00 **Greenfield Substation Component** Component title Offshore Platform A Project description Offshore Platform A to collect offshore wind and deliver 1,500 MW at the point of injection at the Neptune Converter Station Substation name Offshore Platform A Offshore platform with an HVDC VSC technology converter station that will allow offshore wind Substation description generation to interconnect at 66 kV AC Nominal voltage DC Nominal voltage 400 **Transformer Information** Name Capacity (MVA) Transformer TBD TBD **High Side** Low Side Tertiary Voltage (kV) Offshore platform with an HVDC VSC technology converter station that will allow offshore wind Major equipment description generation to interconnect at 66 kV AC Normal ratings **Emergency ratings** Summer (MVA) 0.000000 0.000000 Winter (MVA) 0.000000 0.000000 See Attachment 19 Environmental assessment Outreach plan See Attachment 12

Land acquisition plan	See Attachment 22
Construction responsibility	Proposer
Benefits/Comments	See Attachment 1, Section 3.4
Component Cost Details - In Current Year \$	
Engineering & design	Confidential competitive information
Permitting / routing / siting	Confidential competitive information
ROW / land acquisition	Confidential competitive information
Materials & equipment	Confidential competitive information
Construction & commissioning	Confidential competitive information
Construction management	Confidential competitive information
Overheads & miscellaneous costs	Confidential competitive information
Contingency	Confidential competitive information
Total component cost	\$784,424,269.00
Component cost (in-service year)	\$902,807,540.00
Greenfield Substation Component	
Component title	Offshore Platform B
Project description	Offshore Platform B to collect offshore wind and deliver 1,500 MW at the point of injection at the Neptune Converter Station
Substation name	Offshore Platform B
Substation description	Offshore platform with an HVDC VSC technology converter station that will allow offshore wind generation to interconnect at 66 kV AC
Nominal voltage	DC
Nominal voltage	400

Transformer Information

	Name	Capacity (MVA)	
Transformer	TBD	TBD	
	High Side	Low Side	Tertiary
Voltage (kV)			
Major equipment description	Offshore platform with an HVD generation to interconnect at 6	C VSC technology converter stati 6 kV AC	on that will allow offshore wind
	Normal ratings	Emergency ratings	
Summer (MVA)	0.000000	0.000000	
Winter (MVA)	0.000000	0.000000	
Environmental assessment	See Attachment 19		
Outreach plan	See Attachment 12		
Land acquisition plan	See Attachment 22		
Construction responsibility	Proposer		
Benefits/Comments	See Attachment 1, Section 3.4		
Component Cost Details - In Current Year \$			
Engineering & design	Confidential competitive inform	nation	
Permitting / routing / siting	Confidential competitive inform	nation	
ROW / land acquisition	Confidential competitive inform	nation	
Materials & equipment	Confidential competitive inform	nation	
Construction & commissioning	Confidential competitive inform	ation	

Construction management	Confidential competitive information	ation
Overheads & miscellaneous costs	Confidential competitive information	
Contingency	Confidential competitive information	ation
Total component cost	\$784,419,409.00	
Component cost (in-service year)	\$902,802,680.00	
Greenfield Substation Component		
Component title	Neptune Converter Station	
Project description		with two 1,500 MW HVDC converters to connect to the existing 230 of offshore wind from Offshore Platforms A and B
Substation name	Neptune Converter Station	
Substation description		verters, tieing into a new 230 kV AC switchyard, with the existing s looped in and re-termination of the existing 230 kV ine
Nominal voltage	AC	
Nominal voltage	230	
Transformer Information		
None		
Major equipment description		verters, tieing into a new 230 kV AC switchyard, with the existing s looped in and re-termination of the existing 230 kV ine
	Normal ratings	Emergency ratings
Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Environmental assessment	See Attachment 19	

Outreach plan	See Attachment 12
Land acquisition plan	See Attachment 22
Construction responsibility	Proposer
Benefits/Comments	See Attachment 1, Section 3.4
Component Cost Details - In Current Year \$	
Engineering & design	Confidential competitive information
Permitting / routing / siting	Confidential competitive information
ROW / land acquisition	Confidential competitive information
Materials & equipment	Confidential competitive information
Construction & commissioning	Confidential competitive information
Construction management	Confidential competitive information
Overheads & miscellaneous costs	Confidential competitive information
Contingency	Confidential competitive information
Total component cost	\$681,048,977.00
Component cost (in-service year)	\$775,054,928.00
Transmission Line Upgrade Component	
Component title	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit X at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Atlantic to Neptune
Project description	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit X at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Atlantic- Neptune
Impacted transmission line	Atlantic to New NEETMA Neptune substation 230 kV line
Point A	Atlantic
Point B	Neptune

Point C

Terrain description	Terrain is cleared land area in sub-urban settings. Cut-ins will occur on ROW/easements owned by incumbent, and substation will be constructed on property NEETMA will obtain site control for	
Existing Line Physical Characteristics		
Operating voltage	230	
Conductor size and type	Same as existing	
Hardware plan description	Utilize existing line hardware to	extent practicable
Tower line characteristics	New dead end structures will need to be installed in order to loop existing lines into the NEETMA Neptune substation	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings
Summer (MVA)	1337.000000	1642.000000
Winter (MVA)	1403.000000	1720.000000
Conductor size and type	795 kcmil Drake ACSS/TW HS: 2C Bundle	
Shield wire size and type	Utilize existing shield wire to extent practicable	
Rebuild line length	4.76 miles	
Rebuild portion description	Construct new ~0.25 mi long 230 kV loop-ins to tie into the NEETMA Neptune AC substation	
Right of way	Use of existing ROW, no expan	nsion anticipated
	JCPL	
Construction responsibility	JCPL	

Component Cost Details - In Current Year \$

Engineering & design	Confidential - Competitive Information
Permitting / routing / siting	Confidential - Competitive Information
ROW / land acquisition	Confidential - Competitive Information
Materials & equipment	Confidential - Competitive Information
Construction & commissioning	Confidential - Competitive Information
Construction management	Confidential - Competitive Information
Overheads & miscellaneous costs	Confidential - Competitive Information
Contingency	Confidential - Competitive Information
Total component cost	\$6,210,000.00
Component cost (in-service year)	\$6,700,000.00
Transmission Line Upgrade Component	
Component title	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit Y at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Atlantic to Neptune
Project description	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit Y at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Atlantic- Neptune
Impacted transmission line	Atlantic to New NEETMA-Neptune substation 230 kV line
Point A	Atlantic
Point B	Neptune
Point C	
Terrain description	Terrain is cleared land area in sub-urban settings. Cut-ins will occur on ROW/easements owned by incumbent, and substation will be constructed on property NEETMA will obtain site control for
Existing Line Physical Characteristics	

Operating voltage	230		
Conductor size and type	Same as existing	Same as existing	
Hardware plan description	Utilize existing line hardware to	o extent practicable	
Tower line characteristics	New dead end structures will r Neptune substation	New dead end structures will need to be installed in order to loop existing lines into the NEETMA Neptune substation	
Proposed Line Characteristics			
	Designed	Operating	
Voltage (kV)	230.000000	230.000000	
	Normal ratings	Emergency ratings	
Summer (MVA)	1337.000000	1642.000000	
Winter (MVA)	1403.000000	1720.000000	
Conductor size and type	795 kcmil Drake ACSS/TW HS: 2C Bundle		
Shield wire size and type	Utilize existing shield wire to extent practicable		
Rebuild line length	4.76 miles		
Rebuild portion description	Construct new ~0.25 mi long 230 kV loop-ins to tie into the NEETMA Neptune AC substation		
Right of way	Use of existing ROW, no expansion anticipated		
Construction responsibility	JCPL		
Benefits/Comments	Resolves reliability issues identified per PJM's Gen. Deliv. Process		
Component Cost Details - In Current Year \$			
Engineering & design	Confidential - Competitive Information		
Permitting / routing / siting	Confidential - Competitive Information		
ROW / land acquisition	Confidential - Competitive Information		

Materials & equipment	Confidential - Competitive Information
Construction & commissioning	Confidential - Competitive Information
Construction management	Confidential - Competitive Information
Overheads & miscellaneous costs	Confidential - Competitive Information
Contingency	Confidential - Competitive Information
Total component cost	\$6,190,000.00
Component cost (in-service year)	\$6,700,000.00
Transmission Line Upgrade Component	
Component title	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit X at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Neptune - Oceanview
Project description	Loop in existing Atlantic - Oceanview 230 kV OH line Circuit X at Neptune and reconductor the line section from Neptune - Oceanview
Impacted transmission line	New NEETMA-Neptune substation to Oceanview 230 kV line
Point A	Neptune
Point B	Oceanview
Point C	
Terrain description	Terrain is cleared land area in sub-urban settings. Cut-ins will occur on ROW/easements owned by incumbent, and substation will be constructed on property NEETMA will obtain site control for
Existing Line Physical Characteristics	
Operating voltage	230
Conductor size and type	Same as existing
Hardware plan description	Utilize existing line hardware to extent practicable
Tower line characteristics	New dead end structures will need to be installed in order to loop existing lines into the NEETMA

Proposed Line Characteristics

	Designed	Operating	
Voltage (kV)	230.000000	230.000000	
	Normal ratings	Emergency ratings	
Summer (MVA)	1322.000000	1600.000000	
Winter (MVA)	1385.000000	1668.000000	
Conductor size and type	2156 kcmil Bluebird ACSS/TV	V HS: 1C	
Shield wire size and type	Utilize existing shield wire to e	extent practicable	
Rebuild line length	0.3 miles		
Rebuild portion description	Construct new ~0.25 mi long	Construct new ~0.25 mi long 230 kV loop-ins to tie into the NEETMA Neptune AC substation	
Right of way	Use of existing ROW, no expa	Use of existing ROW, no expansion anticipated	
Construction responsibility	JCPL	JCPL	
Benefits/Comments	Resolves reliability issues identified per PJM's Gen. Deliv. Process		
Component Cost Details - In Current Year \$			
Engineering & design	Confidential - Competitive Info	Confidential - Competitive Information	
Permitting / routing / siting	Confidential - Competitive Info	Confidential - Competitive Information	
ROW / land acquisition	Confidential - Competitive Info	Confidential - Competitive Information	
Materials & equipment	Confidential - Competitive Info	Confidential - Competitive Information	
Construction & commissioning	Confidential - Competitive Information		
Construction management	Confidential - Competitive Info	Confidential - Competitive Information	
Overheads & miscellaneous costs	Confidential - Competitive Info	ormation	

Contingency	Confidential - Competitive Information		
Total component cost	\$2,000,000.00		
Component cost (in-service year)	\$2,160,000.00		
Transmission Line Upgrade Component			
Component title		anview 230 kV OH line Circuit Y at NEETMA proposed Neptune 230 the circuit section from Neptune - Oceanview 230 kV OH line circuit	
Project description		Loop in existing Atlantic - Oceanview 230 kV OH line Circuit Y at NEETMA proposed Neptune 230 kV substation and reconductor the line section from Neptune - Oceanview	
Impacted transmission line	New NEETMA-Neptune substa	ation to Oceanview 230 kV line	
Point A	Neptune		
Point B	Oceanview		
Point C			
Terrain description	Terrain is cleared land area in sub-urban settings. Cut-ins will occur on ROW/easements owned by incumbent, and substation will be constructed on property NEETMA will obtain site control for		
Existing Line Physical Characteristics			
Operating voltage	230		
Conductor size and type	Same as existing		
Hardware plan description	Utilize existing line hardware to extent practicable		
Tower line characteristics	New dead end structures will need to be installed in order to loop existing lines into the NEETMA Neptune substation		
Proposed Line Characteristics			
	Designed	Operating	
Voltage (kV)	230.000000	230.000000	

	Normal ratings	Emergency ratings
Summer (MVA)	1322.000000	1600.000000
Winter (MVA)	1385.000000	1668.000000
Conductor size and type	2156 kcmil Bluebird ACSS/TW H	IS: 1C
Shield wire size and type	Utilize existing shield wire to exte	ent practicable
Rebuild line length	0.30 miles	
Rebuild portion description	Construct new ~0.25 mi long 230	0 kV loop-ins to tie into the NEETMA Neptune AC substation
Right of way	Use of existing ROW, no expans	sion anticipated
Construction responsibility	JCPL	
Benefits/Comments	Resolves reliability issues identif	fied per PJM's Gen. Deliv. Process
Component Cost Details - In Current Year \$		
Engineering & design	Confidential - Competitive Inform	nation
Permitting / routing / siting	Confidential - Competitive Inform	nation
ROW / land acquisition	Confidential - Competitive Inform	nation
Materials & equipment	Confidential - Competitive Inform	nation
Construction & commissioning	Confidential - Competitive Inform	nation
Construction management	Confidential - Competitive Inform	nation
Overheads & miscellaneous costs	Confidential - Competitive Inform	nation
Contingency	Confidential - Competitive Inform	nation
Total component cost	\$2,000,000.00	
Component cost (in-service year)	\$2,160,000.00	

Transmission Line Upgrade Component

Component title	Reconductor and reterminate existing Larrabee - Oceanview 230 kV OH line		
Project description	Reconductor existing Larrabee - Oceanview 230 kV line, and reterminate the Oceanview end into NEETMA's new Neptune 230 kV substation		
Impacted transmission line	Larrabee to Oceanview 230 kV	Larrabee to Oceanview 230 kV line	
Point A	Larrabee		
Point B	Oceanview		
Point C			
Terrain description	Expect to utilize existing easements/utility owned property, but new structures for retermination will utilize existing property owned by incumbent transmission owner		
Existing Line Physical Characteristics			
Operating voltage	230		
Conductor size and type	Same as existing		
Hardware plan description	Utilize existing line hardware to extent practicable		
Tower line characteristics	Utilize existing towers to extent practicable		
Proposed Line Characteristics			
	Designed	Operating	
Voltage (kV)	230.000000	230.000000	
	Normal ratings	Emergency ratings	
Summer (MVA)	1337.000000	1642.000000	
Winter (MVA)	1403.000000	1720.000000	
Conductor size and type	795 kcmil Drake ACSS/TW HS: 2C Bundle		

Shield wire size and type	Utilize existing shield wire to extent practicable
Rebuild line length	16.6 miles
Rebuild portion description	Proposing to reconductor the entire line (or necessary portion) to achieve the specified rating
Right of way	Use of existing ROW, no expansion anticipated
Construction responsibility	JCPL
Benefits/Comments	Resolves reliability issues identified per PJM's Gen. Deliv. Process
Component Cost Details - In Current Year \$	
Engineering & design	Confidential - Competitive Information
Permitting / routing / siting	Confidential - Competitive Information
ROW / land acquisition	Confidential - Competitive Information
Materials & equipment	Confidential - Competitive Information
Construction & commissioning	Confidential - Competitive Information
Construction management	Confidential - Competitive Information
Overheads & miscellaneous costs	Confidential - Competitive Information
Contingency	Confidential - Competitive Information
Total component cost	\$23,830,000.00
Component cost (in-service year)	\$25,360,000.00
Congestion Drivers	

None

Existing Flowgates

None

New Flowgates

None

Financial Information

Capital spend start date	01/2022
Construction start date	12/2025
Project Duration (In Months)	77

Cost Containment Commitment

Cost cap (in current year)	Confidential competitive information
Cost cap (in-service year)	Confidential competitive information

Components covered by cost containment

1. Offshore Platform A – Asbury Park Landing HVDC - Proposer

- 2. Offshore Platform B Asbury Park Landing HVDC Proposer
- 3. Asbury Park Landing Neptune Converter Station HVDC Proposer
- 4. Offshore Platform A Proposer
- 5. Offshore Platform B Proposer
- 6. Neptune Converter Station Proposer

Cost elements covered by cost containment

Engineering & design	Yes
Permitting / routing / siting	Yes
ROW / land acquisition	Yes
Materials & equipment	Yes

Construction & commissioning	Yes
Construction management	Yes
Overheads & miscellaneous costs	Yes
Taxes	Yes
AFUDC	Yes
Escalation	Yes
Additional Information	Confidential competitive information
Is the proposer offering a binding cap on ROE?	Yes
Would this ROE cap apply to the determination of AFUDC?	Yes
Would the proposer seek to increase the proposed ROE if FERC finds that a higher ROE would not be unreasonable?	No
Is the proposer offering a Debt to Equity Ratio cap?	Confidential competitive information
Additional cost containment measures not covered above	
Additional Comments	

None