

LS POWER *GRID*

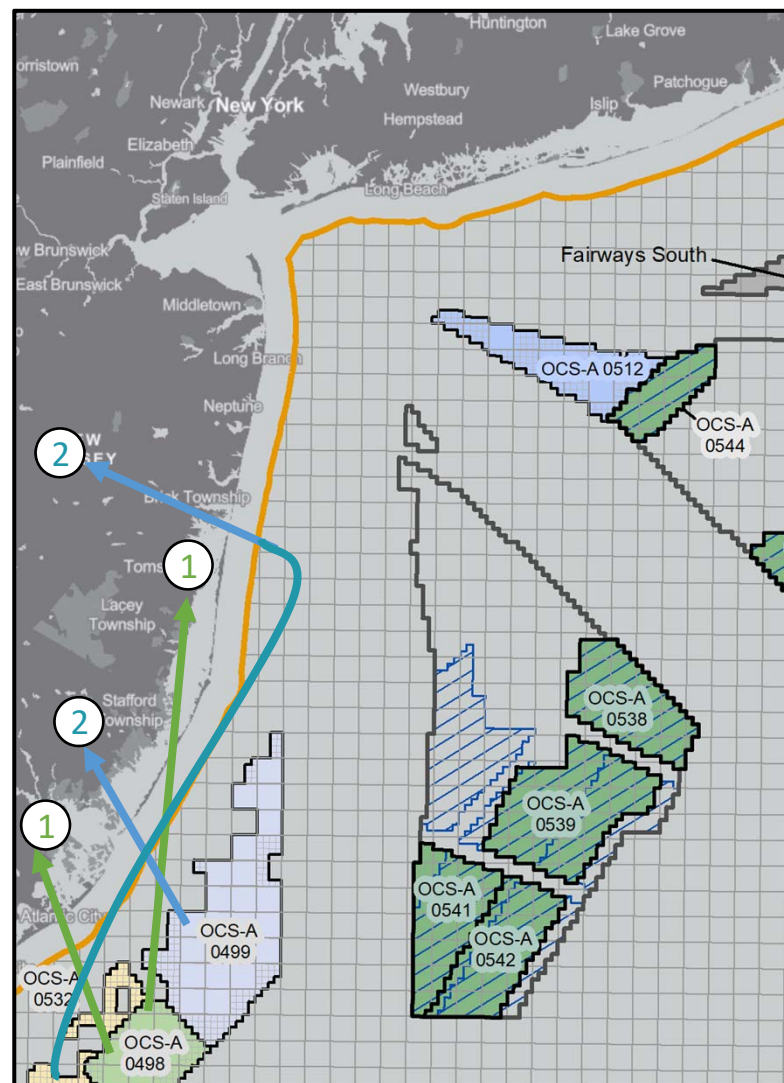
New Jersey State Agreement Approach and Points of Interconnection



October 2022

State Agreement Approach Timeline

- To Achieve 7,500 MW by 2035
Minimizing Landfalls, Impacts, Cost
- 2019 Energy Master Plan
- June 2019 OSW Solicitation 1
 - POIs at BL England, Oyster Creek
- November 2019 Technical Conference
- November 2020 BPU Order Initiating Process
- April 2021 PJM/BPU Window
- June 2021 OSW Solicitation 2
 - POIs at Cardiff and Smithburg
- September 2021 Proposal Deadline
- October 2022 Selection
- 2023-2026 Permitting
- 2030-2035 In-Service



Default Points of Interconnection

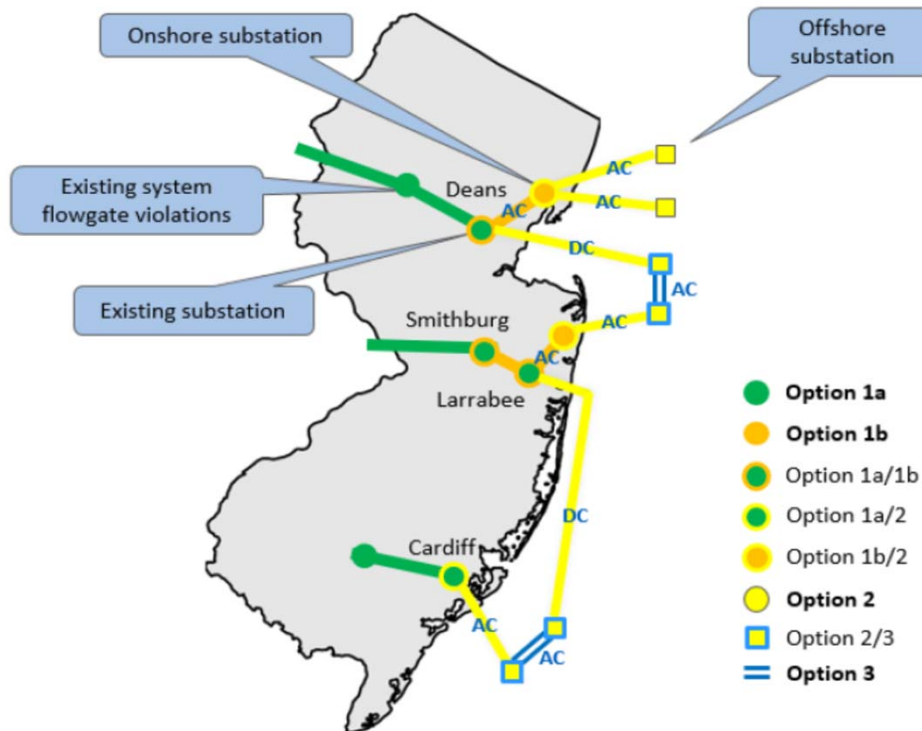


Changes to Offshore Wind Injection Assumptions

Default POIs and Injection Amounts		Prior to June 30, 2021		After June 30, 2021	
Solicitation	POI	Awarded MW	Modelled* MW	Awarded MW	Modelled* MW
1	Oyster Creek 230 kV	1100	816*	1100	816*
1	BL England 138 kV		432*		432*
2	Cardiff 230 kV		900	1510	1510
2	Smithburg 500 kV		1200	1148	1148
3-5	Deans 500 kV		3100		2542
3-5	Larrabee		1200		1200
TOTAL		1100	7648	3758	7648

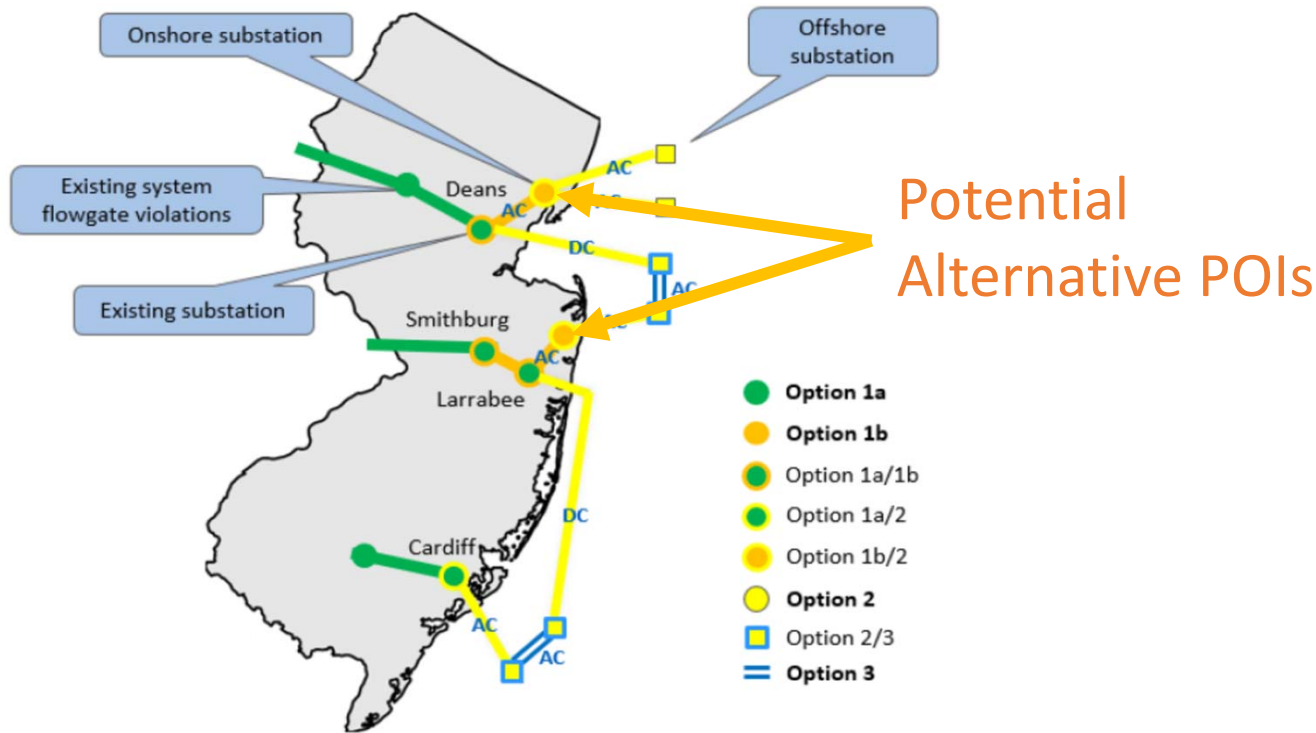
* Solicitation #1 modeled MW per awarded queue position.

Request for Proposals Guidelines



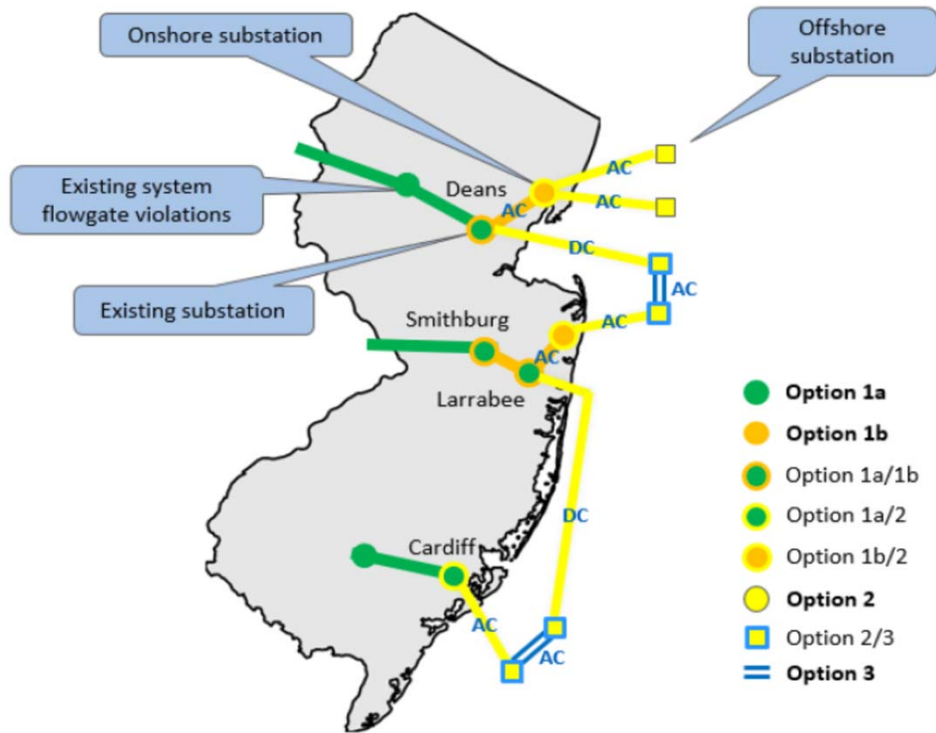
- RFP Provided for Categories of Proposals
- RFP Provided for Default POIs and Alternative POIs
- Multiple Alternative POIs were Proposed to Minimize Impacts and Cost

RFP Points of Interconnection



- RFP Provided for Categories of Proposals
- RFP Provided for Default POIs and Alternative POIs
- Multiple Alternative POIs were Proposed to Minimize Impacts and Cost

RFP Points of Interconnection



- RFP Provided for Categories of Proposals
- RFP Provided for Default POIs and Alternative POIs
- Multiple Alternative POIs were Proposed to Minimize Impacts and Cost

- 80 Proposals
 - 57 With Cost Containment
 - 45 Option 1a
 - 22 Option 1b
 - 26 Option 2
 - 8 Option 3
- PJM analyzed 26 POI scenarios for Option 1b and 1b/2 scenarios
- *None* exactly matched the Default POI and Injection Amounts

						Alt POI	Default POI	Alt POI	Default POI	Alt POI	Default POI	Alt POI	Default POI	Alt POI	Alt POI
Scenario ID	Total (MW)	Proposing Entities	Option 1b Proposal IDs	Option 2 Proposal IDs	Excess Capacity (MW)	Reega 230 kV (MW)	Cardiff 230 kV (MW)	Fresh Ponds 500 kV (MW)	Deans 500 kV (MW)	Lighthouse 500 kV (MW)	Smithburg 500 kV (MW)	Atlantic 230 kV (MW)	Larrabee 230 kV (MW)	Neptune 230 kV (MW)	Sewaren 230 kV (MW)
1.1	6310	COEDTR, ANBARD	None	990 574 831	400		1510		2400		1200		1200		
1.2	6310	COEDTR, PSEGRT	None	990 613	0		1510		1200		1200 1148		1200		
1.2a	6400	COEDTR, ANBARD	None	990 574	58		1510		1342		1200 1148		1200		
1.2b	6400	COEDTR, ATLPWR	None	990 210 172	1058		1510		1342		1200 1148		1200		
2c	6258	AE, JCPL, MAOD	797 929.9 453.1- 18,24,28-29	551	0		1510 1148				1200	1200	1200		
4	6010	NEETMH	None	461 27	0		1510	3000						1500	
4a	6400	NEETMH	None	461 27	758		1510	2242			1148			1500	
5	6310	JCPL, MAOD	453	321	0		1510				2400	1200	1200		
6	6400	CNTLM	781	594	110		1510			4890					
7	6400	CNTLM	629	594	110		1510			4890					
10	6400	ANBARD	None	882 841 921 131	258		1510		2290				1200		1400
11	6399	PSEGRT	None	683	459		1510		1247		1148		1247		1247
15	6400	NEETMH	None	250	1110		1510	4890							
16	6400	NEETMH	None	604 860	758	2658		3742							
16a	6400	NEETMH	None	860	758		1510	3742			1148				
17	6400	ATLPWR, NEETMH	None	210 172 15	510		1510		1890					3000	
19	6258	ATLPWR	None	210 172 769	0		1510		3600		1148				
20	6400	NEETMH	None	298 461	158		1510	1342			1148			2400	
20a	6400	NEETMH, ANBARD	None	298 574	58		1510		1342		1148			2400	
20b	6400	NEETMH, ATLPWR	None	298 210 172	1058		1510		1342		1148			2400	

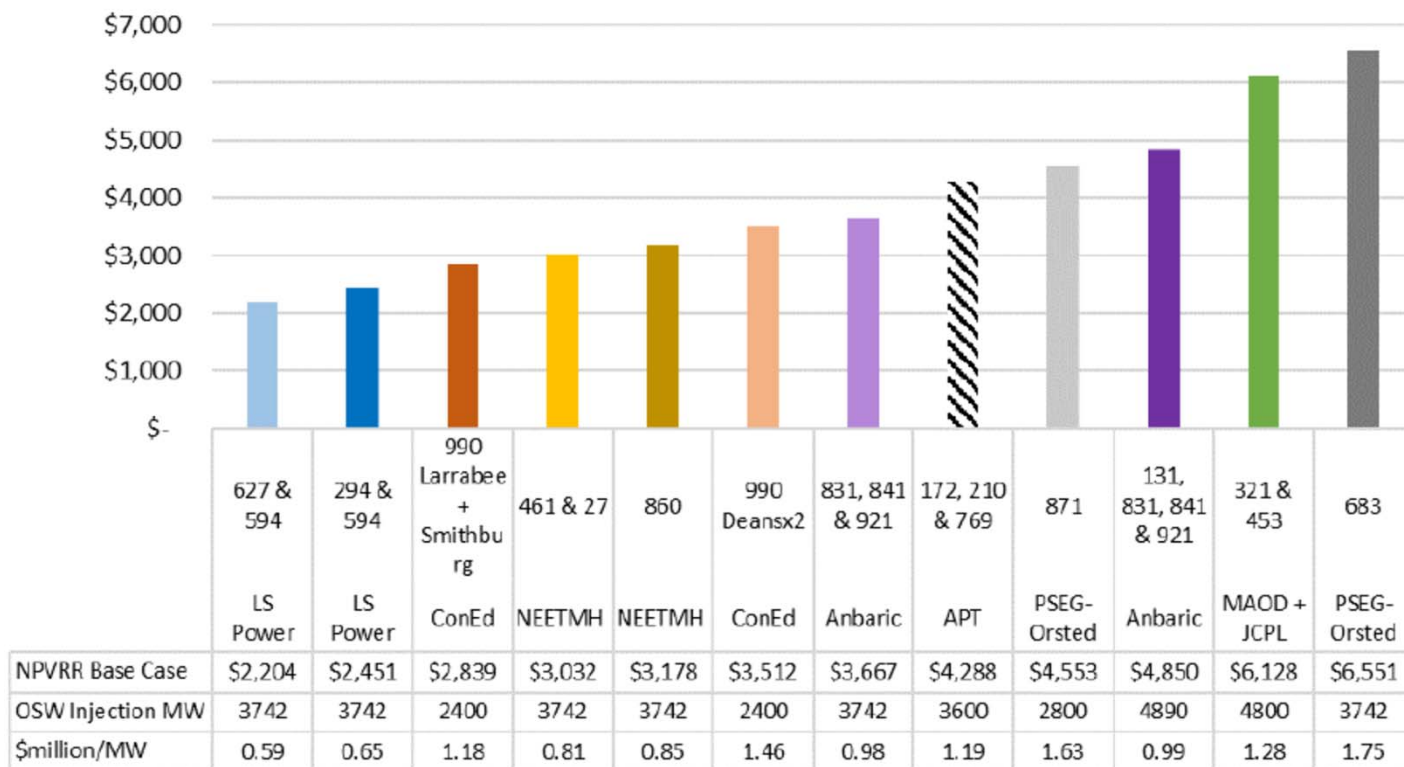
- 80 Proposals
 - 57 With Cost Containment
 - 45 Option 1a
 - 22 Option 1b
 - 26 Option 2
 - 8 Option 3
- PJM analyzed 26 POI scenarios for Option 1b and 1b/2 scenarios
- None exactly matched the Default POI and Injection Amounts

Scenario ID	Total (MW)	Proposing Entities	Option 1b Proposal IDs	Option 2 Proposal IDs	Excess Capacity (MW)	Alt POI	Default POI	Alt POI	Default POI	Alt POI	Default POI	Alt POI	Default POI	Alt POI	Default POI
1.1	6310	COEDTR, ANBARD	None	990 574 831	400		1510		2400		1200		1200		
1.2	6310	COEDTR, PSEGRT	None	990 613	0		1510		1200		1200 1148		1200		
1.2a	6400	COEDTR, ANBARD	None	990 574	58		1510		1342		1200 1148		1200		
1.2b	6400	COEDTR, ATLPWR	None	990 210 172	1058		1510		1342		1200 1148		1200		
2c	6258	AE, JCPL, MAOD	797 929.9 453.1-18,24,28-29	551	0		1510 1148				1200	1200	1200		
4	6010	NEETMH	None	461 27	0		1510	3000						1500	
4a	6400	NEETMH	None	461 27	758		1510	2242			1148			1500	
5	6310	JCPL, MAOD	453	321	0		1510				2400	1200	1200		
6	6400	CNTLM	781	594	110		1510			4890					
7	6400	CNTLM	629	594	110		1510			4890					
10	6400	ANBARD	None	882 841 921 131	258		1510		2290				1200		1400
11	6399	PSEGRT	None	683	459		1510		1247		1148		1247		1247
15	6400	NEETMH	None	250	1110		1510	4890							
16	6400	NEETMH	None	604 860	758	2658		3742							
16a	6400	NEETMH	None	860	758		1510	3742			1148				
17	6400	ATLPWR, NEETMH	None	210 172 15	510		1510		1890					3000	
19	6258	ATLPWR	None	210 172 769	0		1510		3600		1148				
20	6400	NEETMH	None	298 461	158		1510	1342			1148			2400	
20a	6400	NEETMH, ANBARD	None	298 574	58		1510		1342		1148			2400	
20b	6400	NEETMH, ATLPWR	None	298 210 172	1058		1510		1342		1148			2400	

Proposed Alternative POIs

Benefit of Competition

Option 1B/2 Comparison: Base Case NPVRR (\$M)



- Market Identified Innovative Approaches
- Cost Containment Reduces Cost (Including ROE) and Shifts Risks to Developers
- Scenario NPV Range \$2.2 B to \$6.5 B (Incumbent NPV \$4.5 B to \$6.5 B)