

November 23, 2011

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket No. 4288
Distributed Generation Standard Contracts Act Classes and Ceiling Prices for 2011;
Distributed Generation Standard Contract
Responses to Commission's Data Requests – Set 2

Dear Ms. Massaro:

Attached are ten (10) copies of National Grid's¹ responses to the Commission's Second Set of Data Requests in the above-captioned proceeding.

Please be advised that the Company is seeking protective treatment of the confidential attachment identified as Attachment 1 – COMM 2-1, pages 2 and 3, as permitted by Commission Rule 1.2(g) and by R.I.G.L. § 38-2-2(4)(i)(B). The Company has submitted a Motion for Protective Treatment along with a copy of the confidential attachment to the Commission pending a determination on the Company's Motion. The Company has submitted a redacted version of Attachment 1 – COMM 2-1, pages 2 and 3 for the public record. In addition, the Company plans to provide a copy of the confidential attachment to the Division upon the execution of a nondisclosure agreement.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

cc: Docket 4288 Service List
Leo Wold, Esq.
Jon Hagopian, Esq.
Steve Scialabba, Division

¹ The Narragansett Electric Company d/b/a National Grid (herein referred to as National Grid or Company).

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

RHODE ISLAND PUBLIC UTILITIES COMMISSION

**Distributed Generation Standard Contracts
Classes and Ceiling Prices ;
Distributed Generation Standard Contracts**

Docket 4288

**NATIONAL GRID’S REQUEST
FOR PROTECTIVE TREATMENT OF CONFIDENTIAL INFORMATION**

National Grid¹ hereby requests that the Rhode Island Public Utilities Commission (“Commission”) provide confidential treatment and grant protection from public disclosure of certain confidential, competitively sensitive, and proprietary information submitted in this proceeding, as permitted by Commission Rule 1.2(g) and R.I.G.L. § 38-2-2(4)(i)(B). National Grid also hereby requests that, pending entry of that finding, the Commission preliminarily grant National Grid’s request for confidential treatment pursuant to Rule 1.2 (g)(2).

I. BACKGROUND

On November 23, 2011, National Grid is filing with the Commission its Responses to the Commission’s Second Set of Data Requests in this proceeding. The Company requests confidential treatment for the market comparison using price forecasts for energy, capacity and renewable energy certificates (“REC”) prepared by Energy Security Analysis, Inc. (“ESAI”). Under National Grid’s arrangement with ESAI, the

¹ The Narragansett Electric Company d/b/a National Grid (“National Grid” or the “Company”).

energy, capacity and REC forecasts are considered proprietary. Therefore, National Grid requests that the Commission give the information contained in the un-redacted version of pages 2 and 3 of Attachment 1 to its response to COMM 2-1 confidential treatment.

II. LEGAL STANDARD

The Commission's Rule 1.2(g) provides that access to public records shall be granted in accordance with the Access to Public Records Act ("APRA"), R.I.G.L. §38-2-1, *et seq.* Under APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a "public record," unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I.G.L. §38-2-2(4). Therefore, to the extent that information provided to the Commission falls within one of the designated exceptions to the public records law, the Commission has the authority under the terms of APRA to deem such information to be confidential and to protect that information from public disclosure.

In that regard, R.I.G.L. §38-2-2(4)(i)(B) provides that the following types of records shall not be deemed public:

Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that this confidential information exemption applies where disclosure of information would be likely either (1) to impair the Government's ability to obtain necessary information in the future; or (2) to cause substantial harm to the competitive position of the person from whom the information

was obtained. Providence Journal Company v. Convention Center Authority, 774 A.2d 40 (R.I.2001).

The first prong of the test is satisfied when information is voluntarily provided to the governmental agency and that information is of a kind that would customarily not be released to the public by the person from whom it was obtained. Providence Journal, 774 A.2d at 47.

In addition, the Court has held that the agencies making determinations as to the disclosure of information under APRA may apply the balancing test established in Providence Journal v. Kane, 577 A.2d 661 (R.I.1990). Under that balancing test, the Commission may protect information from public disclosure if the benefit of such protection outweighs the public interest inherent in disclosure of information pending before regulatory agencies.

II. BASIS FOR CONFIDENTIALITY

Regarding the ESAI forecasts contained in pages 2 and 3 of the Attachment 1 to COMM 2-1, those forecasts were developed by ESAI through its proprietary methods of analysis and was provided to National Grid on a confidential basis. Disclosure of this information could adversely affect ESAI's competitive position and would tend to make it less likely that such information would be provided voluntarily in the future. Moreover, such disclosure would impede National Grid's future ability to obtain this type of proprietary information from third-party consultants or would increase the cost at which that information could be obtained.

III. CONCLUSION

Accordingly, the Company respectfully requests that the Commission grant its Motion for Protective Treatment as stated herein.

Respectfully submitted,

NATIONAL GRID

By its attorney,



Thomas R. Teehan (RI Bar #4698)
National Grid
280 Melrose Street
Providence, RI 02907
(401) 784-7288

Dated: November 23, 2011

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4288
In re: RI Office of Energy Resources'
Proposed Distributed Generation Standard Contract,
Classes, and Ceiling Prices
Responses to Commission Data Requests (Set 2)
Issued on November 18, 2011

Commission 2-1

Request:

Please update the Attachment to the Company's Response to Commission 1-1 to include the adjustments of \$319,540 contemplated in the Division's Response to Commission DR 1-2 to the Division.

Response:

Because the following response includes confidential ESAI forecasts, portions of the attached files are considered confidential and are being provided to the Commission subject to a motion for protective treatment. A PDF version RI DG Ceiling Price Analysis with the columns containing the ESAI forecasts redacted is being provided as part of the public filing.

National Grid adjusted the prices by the changes contemplated in the Division's Response to Commission DR 1-2. The adjusted prices are shown below.

Class/Size	Price \$/kWh	Change \$/kWh	Adjusted Price \$/kWh	Adjusted Price \$/MWh
Small Solar (10 - 150 kW)	\$ 0.3335	\$ (0.0490)	\$ 0.2845	\$ 284.50
Medium Solar (151 - 500 kW)	\$ 0.3160	\$ (0.0535)	\$ 0.2625	\$ 262.50
Large Solar (501 - 5000 kW)	\$ 0.2895	\$ (0.0590)	\$ 0.2305	\$ 230.50
Wind (1500 kW)	\$ 0.1335	\$ (0.0210)	\$ 0.1125	\$ 112.50

The summary table below shows a difference in the year 1 Contract Cost to be approximately \$300,775 between the OER's 2011 proposal and prices with the Division changes to modeling assumptions. This is consistent with \$319,540 estimated by the Division, with the difference attributable to different assumptions in solar capacity factors, etc.

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)
Small Solar (10-150 kW)	\$ (49.00)	0.5 MW	\$ (28,974)
Medium Solar (151-500 kW)	\$ (53.50)	1 MW	\$ (63,269)
Large Solar (501-5000 kW)	\$ (59.00)	2 MW	\$ (139,547)
Wind (1500 kW)	\$ (21.00)	1.5 MW	\$ (68,985)
Sum		5 MW	\$ (300,775)

Commission 2-1 (continued)

Please see Attachment 1 – COMM 2-1 for the updated analysis of the total contract cost for each technology and the estimated above-market cost for the adjusted pricing as per the Division's changes to modeling assumptions. Sample calculations for two classes have also been included.

Please see Attachment 2 – COMM 2-1 for the comparison of the OER's recommended ceiling prices to the adjusted prices as per the Division's changes to modeling assumptions.

The market comparison was developed using energy, REC and capacity forecasts provided by ESAI. Note that in the analysis, all capacity revenues are realized for all classes. As the Standard Contract is presently structured, National Grid will be collecting capacity revenues only for large projects, reserving the right to act as project sponsor for small projects in the future.

Prepared by or under the supervision of:
Madison N. Milhous, Jr. and Corinne M. Abrams

**2011 RI DG Standard Contract
Ceiling Price Analysis with Division Changes to Modeling Assumptions**

WITH WIND - CEILING PRICES WITH DIVISION CHANGES TO MODELING ASSUMPTIONS

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost - NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 284.50	0.5 MW	\$ 168,225	\$ 117,038	\$ 2,436,940	\$ 1,488,916	\$ 1,268,210	\$ 806,316
Medium Solar (151 - 500 kW)	\$ 262.50	1 MW	\$ 310,433	\$ 208,059	\$ 4,496,989	\$ 2,747,561	\$ 2,159,530	\$ 1,382,360
Large Solar (501 - 5000 kW)	\$ 230.50	2 MW	\$ 545,179	\$ 340,431	\$ 7,897,570	\$ 4,825,240	\$ 3,222,650	\$ 2,094,838
Wind (1500 kW)	\$ 112.50	1.5 MW	\$ 369,563	\$ 85,191	\$ 5,543,438	\$ 3,365,943	\$ (1,183,395)	\$ (542,431)
Sum		5 MW	\$ 1,393,398	\$ 750,719	\$ 20,374,936	\$ 12,427,660	\$ 5,466,995	\$ 3,741,083

WITHOUT WIND - CEILING PRICES WITH DIVISION CHANGES TO MODELING ASSUMPTIONS

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost - NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 284.50	1 MW	\$ 336,450	\$ 234,076	\$ 4,873,880	\$ 2,977,832	\$ 2,536,420	\$ 1,612,632
Medium Solar (151 - 500 kW)	\$ 262.50	1.5 MW	\$ 465,649	\$ 312,088	\$ 6,745,484	\$ 4,121,341	\$ 3,239,294	\$ 2,073,540
Large Solar (501 - 5000 kW)	\$ 230.50	2.5 MW	\$ 681,473	\$ 425,539	\$ 9,871,962	\$ 6,031,550	\$ 4,028,313	\$ 2,618,548
Sum		5 MW	\$ 1,483,572	\$ 971,703	\$ 21,491,326	\$ 13,130,724	\$ 9,804,027	\$ 6,304,719

Note: Market comparison using EIA annual load-weighted 7x24 Energy price forecast.

Assumptions:

All capacity is assumed to be qualified in the FCM.

Discount rate used in NPV calculation is assumed to be 7%.

REDACTED

RI DG - Wind (1500 kW)

ESAI RI Forecast					15 Yr PPA				
	RI Energy 7x24 \$/MWh	RI REC Forecast \$/MWh	Energy & RECs	Capacity \$/kW-mo	Delivered Energy MWh	Bundled Energy Rate \$/MWh	Market Value	Contract Cost	Above Market Cost
2011									
2012									
2013					3,285	\$ 112.50		\$ 369,562.50	
2014					3,285	\$ 112.50		\$ 369,562.50	
2015					3,285	\$ 112.50		\$ 369,562.50	
2016					3,285	\$ 112.50		\$ 369,562.50	
2017					3,285	\$ 112.50		\$ 369,562.50	
2018					3,285	\$ 112.50		\$ 369,562.50	
2019					3,285	\$ 112.50		\$ 369,562.50	
2020					3,285	\$ 112.50		\$ 369,562.50	
2021					3,285	\$ 112.50		\$ 369,562.50	
2022					3,285	\$ 112.50		\$ 369,562.50	
2023					3,285	\$ 112.50		\$ 369,562.50	
2024					3,285	\$ 112.50		\$ 369,562.50	
2025					3,285	\$ 112.50		\$ 369,562.50	
2026					3,285	\$ 112.50		\$ 369,562.50	
2027					3,285	\$ 112.50		\$ 369,562.50	
2028									
2029									
2030									
2031									
2032									
2033									
2034									
2035									
2036									
2037									
							Total	\$ 5,543,438	\$ (1,183,395)
							NPV	\$ 3,365,943	\$ (542,431)

2011 Target 1.5 MW
Capacity Factor for FCM 25%
Discount Rate 7.0%

2011 RI DG Standard Contract

Ceiling Price Analysis - Comparison of OER Recommendations to Division Changes to Modeling Assumptions

WITH WIND - OER RECOMMENDED CEILING PRICES

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 333.50	0.5 MW	\$ 197,199	\$ 146,012	\$ 2,856,659	\$ 1,745,355	\$ 1,687,929	\$ 1,062,755
Medium Solar (151 - 500 kW)	\$ 316.00	1 MW	\$ 373,702	\$ 271,328	\$ 5,413,518	\$ 3,307,540	\$ 3,076,059	\$ 1,942,339
Large Solar (501 - 5000 kW)	\$ 289.50	2 MW	\$ 684,725	\$ 479,978	\$ 9,919,073	\$ 6,060,334	\$ 5,244,154	\$ 3,329,932
Wind (1500 kW)	\$ 133.50	1.5 MW	\$ 438,548	\$ 154,176	\$ 6,578,213	\$ 3,994,253	\$ (148,620)	\$ 85,879
Sum		5 MW	\$ 1,694,173	\$ 1,051,494	\$ 24,767,463	\$ 15,107,482	\$ 9,859,522	\$ 6,420,904

WITHOUT WIND - OER RECOMMENDED CEILING PRICES

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 333.50	1 MW	\$ 394,397	\$ 292,023	\$ 5,713,318	\$ 3,490,710	\$ 3,375,858	\$ 2,125,510
Medium Solar (151 - 500 kW)	\$ 316.00	1.5 MW	\$ 560,552	\$ 406,992	\$ 8,120,278	\$ 4,961,310	\$ 4,614,088	\$ 2,913,508
Large Solar (501 - 5000 kW)	\$ 289.50	2.5 MW	\$ 855,907	\$ 599,973	\$ 12,398,842	\$ 7,575,417	\$ 6,555,192	\$ 4,162,415
Sum		5 MW	\$ 1,810,856	\$ 1,298,988	\$ 26,232,437	\$ 16,027,438	\$ 14,545,139	\$ 9,201,433

WITH WIND - CEILING PRICES WITH DIVISION CHANGES TO MODELING ASSUMPTIONS

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 284.50	0.5 MW	\$ 168,225	\$ 117,038	\$ 2,436,940	\$ 1,488,916	\$ 1,268,210	\$ 806,316
Medium Solar (151 - 500 kW)	\$ 262.50	1 MW	\$ 310,433	\$ 208,059	\$ 4,496,989	\$ 2,747,561	\$ 2,159,530	\$ 1,382,360
Large Solar (501 - 5000 kW)	\$ 230.50	2 MW	\$ 545,179	\$ 340,431	\$ 7,897,570	\$ 4,825,240	\$ 3,222,650	\$ 2,094,838
Wind (1500 kW)	\$ 112.50	1.5 MW	\$ 369,563	\$ 85,191	\$ 5,543,438	\$ 3,365,943	\$ (1,183,395)	\$ (542,431)
Sum		5 MW	\$ 1,393,398	\$ 750,719	\$ 20,374,936	\$ 12,427,660	\$ 5,466,995	\$ 3,741,083

WITHOUT WIND - CEILING PRICES WITH DIVISION CHANGES TO MODELING ASSUMPTIONS

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ 284.50	1 MW	\$ 336,450	\$ 234,076	\$ 4,873,880	\$ 2,977,832	\$ 2,536,420	\$ 1,612,632
Medium Solar (151 - 500 kW)	\$ 262.50	1.5 MW	\$ 465,649	\$ 312,088	\$ 6,745,484	\$ 4,121,341	\$ 3,239,294	\$ 2,073,540
Large Solar (501 - 5000 kW)	\$ 230.50	2.5 MW	\$ 681,473	\$ 425,539	\$ 9,871,962	\$ 6,031,550	\$ 4,028,313	\$ 2,618,548
Sum		5 MW	\$ 1,483,572	\$ 971,703	\$ 21,491,326	\$ 13,130,724	\$ 9,804,027	\$ 6,304,719

WITH WIND - DIFFERENTIAL COMPARISON

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ (49.00)	0.5 MW	\$ (28,974)	\$ (28,974)	\$ (419,719)	\$ (256,439)	\$ (419,719)	\$ (256,439)
Medium Solar (151 - 500 kW)	\$ (53.50)	1 MW	\$ (63,269)	\$ (63,269)	\$ (916,529)	\$ (559,979)	\$ (916,529)	\$ (559,979)
Large Solar (501 - 5000 kW)	\$ (59.00)	2 MW	\$ (139,547)	\$ (139,547)	\$ (2,021,504)	\$ (1,235,094)	\$ (2,021,504)	\$ (1,235,094)
Wind (1500 kW)	\$ (21.00)	1.5 MW	\$ (68,985)	\$ (68,985)	\$ (1,034,775)	\$ (628,309)	\$ (1,034,775)	\$ (628,309)
Sum		5 MW	\$ (300,775)	\$ (300,775)	\$ (4,392,527)	\$ (2,679,821)	\$ (4,392,527)	\$ (2,679,821)

WITHOUT WIND - DIFFERENTIAL COMPARISON

Class/Size	Price \$/MWh	2011 Target	Contract Cost (yr 1)	Above Market Cost (yr 1)	Total Contract Cost (15 yr)	Total Contract Cost NPV (15 yr)	Total Above Market Cost (15 yrs)	Total Above Market Cost - NPV (15 yrs)
Small Solar (10 - 150 kW)	\$ (49.00)	1 MW	\$ (57,947)	\$ (57,947)	\$ (839,438)	\$ (512,878)	\$ (839,438)	\$ (512,878)
Medium Solar (151 - 500 kW)	\$ (53.50)	1.5 MW	\$ (94,904)	\$ (94,904)	\$ (1,374,794)	\$ (839,969)	\$ (1,374,794)	\$ (839,969)
Large Solar (501 - 5000 kW)	\$ (59.00)	2.5 MW	\$ (174,434)	\$ (174,434)	\$ (2,526,880)	\$ (1,543,867)	\$ (2,526,880)	\$ (1,543,867)
Sum		5 MW	\$ (327,285)	\$ (327,285)	\$ (4,741,111)	\$ (2,896,714)	\$ (4,741,111)	\$ (2,896,714)

Note: Market comparison using ESI annual load-weighted 7x24 Energy price forecast.

Assumptions:

All capacity is assumed to be qualified in the FCM.

Discount rate used in NPV calculation is assumed to be 7%.

Certificate of Service

I hereby certify that a copy of the cover letter and / or any materials accompanying this certificate has been electronically transmitted, sent via U.S. mail or hand-delivered to the individuals listed below.



Joanne M. Scanlon

11/23/2011

Date

Docket No. 4288 – Office of Energy Resources Filings: 1) Proposed Distributed Generation (DG) Standard Contract Act Classes and Ceiling Prices for 2011; and 2) Proposed DG Standard Contract; and

Docket No. 4277 – National Grid National Grid – Distributed Generation Enrollment Application & Enrollment Process Rules

Service Lists updated 11/21/11

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