

October 16, 2020

**BY HAND DELIVERY AND ELECTRONIC MAIL**

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

**RE: Docket 5043 – Gas Long-Range Resource and Requirements Plan  
Forecast Period 2020/21 to 2024/25  
Update to Exhibit 2**

Dear Ms. Massaro:

I have enclosed an electronic version of an update to Exhibit 2, pages 1-5, which accompanied National Grid's<sup>1</sup> Gas Long-Range Resource and Requirements Plan for the Forecast Period 2020/21 to 2024/25 ("LRP"), filed on June 30, 2020. This exhibit details the Company's design peak hour resource requirements by pipeline take station and liquified natural gas injection location.

This update to Exhibit 2 is necessary because the peak hour resources contained in the LRP were developed based upon a statewide forecast prepared in June 2020. When the Company filed the LRP, it was in the process of preparing the Aquidneck Island Long-Term Capacity Study ("Aquidneck Study"), which was completed and published on October 8, 2020. During the preparation of the Aquidneck Study, the Company prepared a detailed forecast of peak hour gas requirements specific to Aquidneck Island. The detailed Aquidneck Island forecast does not result in any change to the June 2020 forecast in terms of the aggregate gas resource requirements to satisfy peak hour demand on a statewide basis. The detailed Aquidneck Island forecast does, however, anticipate an increase in peak design hour demand for Aquidneck Island. The additional forecasted design hour demand on Aquidneck Island is offset by corresponding decreases in design hour demand at the Company's other take stations and LNG injection locations.

In light of the preparation of a detailed Aquidneck Island peak hour demand forecast, the Company has updated Exhibit 2, pages 1-5 to the LRP in order to reflect the results of this forecast.

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

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Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

cc: Docket 5043 Service List  
Leo Wold, Esq.  
John Bell, Division  
Al Mancini, Division  
Jerome D. Mierzwa, Division Consultant

**RESULTS FOR WINTER 2020/21 THROUGH WINTER 2024/25**  
**Design Peak Hour Table**

				2020/21		
Pipeline/LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0
AGT	G	Warren	00012	811	755	55
AGT		Burrillville	00044	0	28	-28
AGT	G	Crary St	00842	0	3,487	-3,493
AGT	G	Dey St	00004	5,388	2,067	3,318
AGT	G	Cumberland	00083	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,044	0
AGT	G	Tiverton	00033	56	65	-10
AGT	G	E Providence	00010	1,698	1,085	603
AGT	E	Westerly	00008	144	124	20
AGT		Montville	00059	208	215	-7
TGP	Cranston	Cranston	420750	3,399	2,102	1,294
TGP	Cranston	Lincoln	420758	1,283	1,313	-27
TGP	Cranston	Smithfield	420910	450	1,570	-1,122
TGP		Cumberland	420135	1,343	1,343	0
PORTABLE LNG		Portsmouth		650	130	544
LNG		Exeter		1,000	1,000	0
LNG (incl. KLNG)		Providence		3,958	3,958	0
PORTABLE LNG		Cumberland		750	750	0
<b>Total:</b>				<b>22,226</b>	<b>21,085</b>	<b>1,141</b>

**Notes**

1) Flows reflect a managed system for Northern Rhode Island.

2) Flows reflect 2019 hydraulic model with a global adjustment to have demand match sendout for Capacity Exempt, FT-1 and rest of customers (SFT2) for the July 2020 forecast for Rhode Island and the region focused July 2020 forecast for Aquidneck Island.

**RESULTS FOR WINTER 2020/21 THROUGH WINTER  
Design Peak Hour Table**

				2021/22		
Pipeline/LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0
AGT	G	Warren	00012	811	767	43
AGT		Burrillville	00044	0	28	-28
AGT	G	Crary St	00842	0	3,545	-3,554
AGT	G	Dey St	00004	5,401	2,107	3,289
AGT	G	Cumberland	00083	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,044	0
AGT	G	Tiverton	00033	56	67	-11
AGT	G	E Providence	00010	1,698	1,168	518
AGT	E	Westerly	00008	144	125	19
AGT		Montville	00059	208	221	-13
TGP	Cranston	Cranston	420750	3,419	2,239	1,176
TGP	Cranston	Lincoln	420758	1,283	1,366	-81
TGP	Cranston	Smithfield	420910	450	1,595	-1,149
TGP		Cumberland	420135	1,343	1,343	0
PORTABLE LNG		Portsmouth		650	155	530
LNG		Exeter		1,000	1,000	0
LNG (incl. KLNG)		Providence		3,958	3,958	0
PORTABLE LNG		Cumberland		750	750	0
<b>Total:</b>				<b>22,259</b>	<b>21,527</b>	<b>731</b>

**Notes**

1) Flows reflect a managed system for Northern Rhode Island.

2) Flows reflect 2019 hydraulic model with a global adjustment to have demand match sendout for Capacity Exempt, FT-1 and rest of customers (SFT2) for the July 2020 forecast for Rhode Island and the region focused July 2020 forecast for Aquidneck Island.

**RESULTS FOR WINTER 2020/21 THROUGH WINTER  
Design Peak Hour Table**

				2022/23		
Pipeline/LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0
AGT	G	Warren	00012	811	787	22
AGT		Burrillville	00044	0	29	-29
AGT	G	Crary St	00842	0	3,650	-3,658
AGT	G	Dey St	00004	5,444	2,176	3,264
AGT	G	Cumberland	00083	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,044	0
AGT	G	Tiverton	00033	56	69	-13
AGT	G	E Providence	00010	1,698	1,305	378
AGT	E	Westerly	00008	144	128	16
AGT		Montville	00059	208	229	-22
TGP	Cranston	Cranston	420750	3,484	2,436	1,041
TGP	Cranston	Lincoln	420758	1,283	1,449	-173
TGP	Cranston	Smithfield	420910	450	1,638	-1,191
TGP		Cumberland	420135	1,343	1,343	0
PORTABLE LNG		Portsmouth		650	195	504
LNG		Exeter		1,000	1,000	0
LNG (incl. KLNG)		Providence		3,958	3,958	0
PORTABLE LNG		Cumberland		750	750	0
<b>Total:</b>				<b>22,367</b>	<b>22,236</b>	<b>130</b>

**Notes**

1) Flows reflect a managed system for Northern Rhode Island.

2) Flows reflect 2019 hydraulic model with a global adjustment to have demand match sendout for Capacity Exempt, FT-1 and rest of customers (SFT2) for the July 2020 forecast for Rhode Island and the region focused July 2020 forecast for Aquidneck Island.

**RESULTS FOR WINTER 2020/21 THROUGH WINTER  
Design Peak Hour Table**

				2023/24		
Pipeline/LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0
AGT	G	Warren	00012	770	813	-46
AGT		Burrillville	00044	0	30	-30
AGT	G	Crary St	00842	0	3,755	-3,763
AGT	G	Dey St	00004	5,474	2,237	3,232
AGT	G	Cumberland	00083	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,044	0
AGT	G	Tiverton	00033	56	70	-15
AGT	G	E Providence	00010	1,698	1,445	240
AGT	E	Westerly	00008	144	130	14
AGT		Montville	00059	208	236	-29
TGP	Cranston	Cranston	420750	3,736	2,482	1,249
TGP	Cranston	Lincoln	420758	1,283	1,522	-246
TGP	Cranston	Smithfield	420910	450	1,685	-1,239
TGP		Cumberland	420135	1,343	1,343	0
PORTABLE LNG		Portsmouth		650	225	470
LNG		Exeter		1,000	1,000	0
LNG (incl. KLNG)		Providence		3,958	3,958	0
PORTABLE LNG		Cumberland		750	750	0
<b>Total:</b>				<b>22,607</b>	<b>22,775</b>	<b>-168</b>

**Notes**

1) Flows reflect a managed system for Northern Rhode Island.

2) Flows reflect 2019 hydraulic model with a global adjustment to have demand match sendout for Capacity Exempt, FT-1 and rest of customers (SFT2) for the July 2020 forecast for Rhode Island and the region focused July 2020 forecast for Aquidneck Island.

**RESULTS FOR WINTER 2020/21 THROUGH WINTER  
Design Peak Hour Table**

				2024/25		
Pipeline/LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0
AGT	G	Warren	00012	770	798	-32
AGT		Burrillville	00044	0	29	-29
AGT	G	Crary St	00842	0	3,715	-3,726
AGT	G	Dey St	00004	5,461	2,222	3,233
AGT	G	Cumberland	00083	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,045	0
AGT	G	Tiverton	00033	56	70	-15
AGT	G	E Providence	00010	1,698	1,395	285
AGT	E	Westerly	00008	144	129	15
AGT		Montville	00059	208	236	-29
TGP	Cranston	Cranston	420750	3,718	2,623	1,087
TGP	Cranston	Lincoln	420758	1,283	1,510	-237
TGP	Cranston	Smithfield	420910	450	1,666	-1,222
TGP		Cumberland	420135	1,343	1,343	0
PORTABLE LNG		Portsmouth		650	226	489
LNG		Exeter		1,000	1,000	0
LNG (incl. KLNG)		Providence		3,958	3,958	0
PORTABLE LNG		Cumberland		750	750	0
<b>Total:</b>				<b>22,576</b>	<b>22,765</b>	<b>-189</b>

**Notes**

1) Flows reflect a managed system for Northern Rhode Island.

2) Flows reflect 2019 hydraulic model with a global adjustment to have demand match sendout for Capacity Exempt, FT-1 and rest of customers (SFT2) for the July 2020 forecast for Rhode Island and the region focused July 2020 forecast for Aquidneck Island.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.



\_\_\_\_\_  
Joanne M. Scanlon

October 16 ,2020

Date

**Docket No. 5043 – National Grid’s Gas Long-Range Resource Plan  
Service List as of 7/23/2020**

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