

September 26, 2018

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: BTU Content Factor Filing**

Dear Ms. Massaro:

National Grid's currently effective gas tariff, RIPUC NG-GAS No. 101, Section 1, Schedule B, Sheet 1 (definition of British thermal unit (BTU) content factor) requires National Grid to calculate the seasonal BTU content based upon the prior six-month experience for the equivalent season, which National Grid would then propose to take effect for the applicable May 1 and November 1. Such BTU content factors are used to convert volumetric meter readings into therms. Based on National Grid's actual gas sendout data for the six months ending April 2018, the actual weighted average system BTU content factor is 1.030. Thus, for the period of November 2018 through April 2019, National Grid proposes to use a BTU content factor of 1.030 to convert volumetric meter readings to therms. By way of example, a meter reading of 100 ccf will equate to 103.0 therms (100 x 1.030). The proposed 1.030 BTU content factor reflects a change from the current BTU content factor of 1.027 that is in effect through the end of October 2018.

Attached please find the cumulative sendout data for the period of November 1, 2017 through April 30, 2018, supporting the proposed 1.030 BTU content factor calculation. The attachment contains volumetric and thermal equivalent sendout data for each gate station and production facility for the six months ending April 30, 2018. The Company sent out 34,158,699 MMBtus with a volume of 33,176,480 Mcfs, resulting in the proposed semi-annual weighted average BTU content factor of 1.030.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7415.

Very truly yours,



Robert J. Humm

Enclosure

cc: Sharon Colby Camara  
John Bell, Division  
Bruce Oliver, Division  
Al Mancini, Division

**Rhode Island BTU Factor Report**  
**November 1, 2017 Through April 30, 2018**

	<u>MCF</u>	<u>BTU</u>	<u>DTH</u>
	(a)	(b) = (c) ÷ (d)	(c)
(1) <b>Tennessee Gate Station</b>			
(2)           Scott Road	2,987,523		3,076,076
(3)           Cranston	4,868,963		5,015,758
(4)           Lincoln	2,265,383		2,333,708
(5)           Smithfield	2,166,415		2,231,850
(6)	12,288,284	1.030	12,657,393
(7)			
(8) <b>Algonquin Gate Stations</b>			
(9)           Wampanog Trail	8,695,472		8,932,914
(10)          Dey Street	3,151,235		3,236,916
(11)          Barrington	8,578		8,803
(12)          Portsmouth	1,918,552		1,971,521
(13)          Tiverton	92,128		94,634
(14)          Westerly	287,552		295,416
(15)          Burrville	64,253		66,034
(16)          Warren	1,090,240		1,119,594
(17)          Diamond Hill	142,507		146,371
(18)          Crary Street	3,175,553		3,261,501
(19)	18,626,070	1.027	19,133,704
(20)			
(21) <b>Yankee</b>			
(22)          Montville	268,211	1.028	275,721
(23)			
(24) <b>LNG</b>			
(25)          Providence NGLNG <sup>1</sup>	1,598,605		1,686,791
(26)          Exeter	78,623		83,117
(27)          Cumberland	4,890		5,359
(28)          Newport	-		-
(29)          Westerly	-		-
(30)	1,682,118	1.055	1,775,268
(31)			
(32) <b>Boiloff</b>			
(33)          Providence NGLNG <sup>1</sup>	278,168		282,345
(34)          Exeter	33,629		34,269
(35)          Cumberland	-		-
(36)	311,796	1.015	316,614
(37)			
(38) <b>Daily Weighted Average Factor</b>	33,176,480	1.030	34,158,699

(a) Company Data

(c) Company Data

(6) Sum[Lines (2) : (5)]

(19) Sum[Lines (9) : (18)]

(30) Sum[Lines (25) : (29)]

(36) Sum[Lines (33) : (35)]

(38) Sum[Lines (6), (19), (22), (30), (36)]

<sup>1</sup> Represents all the gas that goes into the RI systems