

September 22, 2016

**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 No. 101, Section 1, Schedule B, Sheet 1 (definition of BTU content factor) requires the Company to calculate the seasonal BTU content based upon the prior six-month experience for the equivalent season, which the Company 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 the Company's actual gas sendout data for the six months ending October 2015, the actual weighted average system BTU content factor is 1.028. Thus, for the period of May 2016 through October 2016, the Company proposes to use a BTU content factor of 1.028 to convert volumetric meter readings to therms. By way of example, a meter reading of 100 ccf will equate to 102.8 therms (100 x 1.028). The proposed 1.028 BTU content factor reflects a change from the current BTU content factor of 1.031 that is in effect through the end of April 2016.

Attached please find the cumulative sendout data for the period of May 1, 2015 through October 31, 2015, supporting the proposed 1.028 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 October 31, 2015. The Company sent out 10,240,651 MMBtus with a volume of 9,962,663 Mcfs, resulting in the proposed semi-annual weighted average BTU content factor of 1.028.

Thank you for your attention to this transmittal. If you have any questions, please call me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosure

cc: Sharon Colby Camara  
Steve Scialabba  
Bruce Oliver

**Rhode Island BTU Factor Report Report**  
**November 1, 2015 Through April 30, 2016**

	MCF	BTU	DTH
<b>Tennessee Gate Station</b>			
Scott Road	2,708,599		2,788,601
Cranston	4,161,108		4,284,757
Lincoln	1,857,523		1,912,772
Smithfield	1,912,613		1,969,553
	<b>10,639,843</b>	1.030	<b>10,955,683</b>
<b>Algonquin Gate Stations</b>			
Wampanog Trail	8,990,927		9,237,430
Dey Street	3,465,024		3,560,634
Barrington	68,327		70,229
Portsmouth	1,553,027		1,595,790
Tiverton	71,050		73,003
Westerly	368,348		378,258
Burrville	66,627		68,437
Warren	811,101		833,458
Diamond Hill	120,973		124,314
	<b>15,515,404</b>	1.027	<b>15,941,553</b>
<b>Yankee</b>			
Montville	<b>48,310</b>	1.028	<b>49,663</b>
<b>LNG</b>			
Providence NGLNG <sup>1</sup>	694,545		739,654
Exeter	59,348		63,122
Cumberland	36,858		39,106
Newport	-		-
Westerly	-		-
	<b>790,751</b>	1.065	<b>841,883</b>
<b>Boiloff</b>			
Providence NGLNG <sup>1</sup>	292,196		296,287
Exeter	32,633		32,959
Cumberland	21,300		21,513
	<b>346,129</b>	1.013	<b>350,759</b>
<b>Daily Weighted Average Factor</b>	<b>27,340,437</b>	<b>1.029</b>	<b>28,139,540</b>

Note: <sup>1</sup> represents all the gas that goes into the RI systems