

Celia B. O'Brien Assistant General Counsel and Director

May 1, 2019

# **VIA HAND DELIVERY & ELECTRONIC MAIL**

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

# RE: Docket 4770 – Gas Earnings Sharing Mechanism Earnings Report - Twelve Months Ended December 31, 2018

Dear Ms. Massaro:

In accordance with Article II, Section 10 of the Amended Settlement Agreement approved by the Rhode Island Public Utilities Commission (PUC) on August 24, 2018, in the above-referenced docket as reflected in National Grid's gas tariff, RIPUC NG-Gas No. 101, Section 3, Schedule A, Sheet 10, subpart 5.0, enclosed are 10 copies of the earnings report for the twelve-month period ended December 31, 2018, for the gas operations of the Company.<sup>1</sup>

Thank you for your attention to this transmittal. If you have any questions regarding this filing, please contact me at 781-907-2153.

Very truly yours,

Cilia B. OBrien

Celia B. O'Brien

Enclosures

cc: Docket 4770 Service List John Bell, Division Christy Hetherington, Esq. Leo Wold, Esq.

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

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism

### National Grid - RI Gas Earnings Sharing Mechanism For the Twelve Months ended December 31, 2018

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The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 1 of 14

### National Grid - RI Gas Earnings Sharing Calculation For the Twelve Months ended December 31, 2018

1	Average Rate Base	\$770,817,662	
2	Equity Component of Rate Base	50.95%	
3	Average Common Equity	\$392,731,598	
4			
5	Actual Total Earnings	\$37,620,144	
6	Return on Common Equity before Incentives	9.58%	
7			
8	Less incentives:		
9	Energy Efficiency shareholder incentive	\$1,627,345	0.41%
10	Natural Gas Portfolio Management Plan	\$620,636	0.16%
11	Gas Procurement Incentive Plan	\$54,616	0.01%
12		\$2,302,597	
13			
14	Base Earnings	\$35,317,547	
15	Return on Common Equity after Incentives	8.99%	
16			
17	<u>Return on Equity &gt; 9.275% and &lt; 10.275%</u>	0.00%	
18	Earnings to be Shared	\$0	
19	Earnings to Customers - 50%	\$0	
20			
21	Return on Equity > 10.275%	0.00%	
22	Earnings to be Shared	\$0	
23	Earnings to Customers - 75%	\$0	
24			
25	Total After tax Earnings Credited to Customers	\$0	
26			
27	Total Earnings Credited to DAC	\$0	

- 1 From Page 5 of 14 line 24(f)
- 2 From Page 4 of 14 line 8(a)
- 3 Line 1 times line 2
- 5 Line 12 plus line 14
- 6 Line 5 divided by line 3
- 9 Line 9 divided by line 3
- 10 Line 10 divided by line 3
- 11 Line 11 divided by line 3
- 14 From Page 2 of 14 line 46
- 15 Line 14 divided by line 3
- 17 Smaller of 10.275% or Line 15 minus 9.275%.
- 18 Line 3 times line 17
- 19 Line 18 times 50%
- 21 If Line 15 is greater than 10.275%
- 22 Line 3 times line 21
- 23 Line 22 times 75%
- 25 Line 19 plus line 23
- 27 Line 25 divided by 79%

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 2 of 14

#### National Grid - RI Gas Income Statement For the Twelve Months ended December 31, 2018

		<u>2018</u>
1	Operating Revenues	
2	Total Firm Gas	\$399,470,253
3	Transportation	\$45,239,575
4	Other Revenues	(\$10,714,584)
5	Total Operating Revenues	\$433,995,243
6		
7	Adjustment to Operating Revenue:	
8	Inventory Financing	(\$929,960)
9	Total Adjusted Operating Revenues	\$433,065,283
10		
11	Operating Expenses	
12	Production (Gas Costs)	\$180,027,225
13	Storage	\$5,917,311
14	Transmission	\$1,140,245
15	Distribution	\$29,303,308
16	Customer Accounts	\$40,559,678
17	Sales	\$0
18	Administrative and General	\$39,242,635
19	Total Operating Expenses	\$296,190,401
20		<u> </u>
21	Adjustments to Operating Expense:	
22	Savings Imputed in Base Rates	\$1,633,333
23	Total Adjusted Operating Expenses	\$297,823,735
24		
25	Other Expenses	
26	Depreciation and Amortization	\$35,164,510
27	Local and Other Taxes	\$25,648,707
28	Revenue Related Taxes (Gross Earnings Tax - GET)	\$12,651,187
29	Federal Income Taxes @ 21%	\$9,397,429
30	Total Other Expenses	\$82,861,833
31	Total Other Expenses	\$02,001,055
	Income Before Interest Expense	\$52,379,715
33	income before interest Expense	\$52,579,715
34	Interest Expense	
35	Other Income/Expenses	\$0
36	Short-Term Debt	\$97,123
37	Long-Term Debt	\$18,410,903
38	Other Interest Expense	\$18,410,903
39	AFUDC	
39 40		(\$1,522,739)
	Total Interest Expense	\$17,027,482
41		¢25,252,022
	Net Income / (Loss)	\$35,352,233
43		<b>#24.60</b>
44	Preferred Dividends	\$34,687
45	Net Torres ( (Torres) A self-self-self-self-self-self-self-self-	¢25 217 517
	Net Income / (Loss) Applicable to Common Equity	\$35,317,547
47		

48

Notes:

4 From Page 7 of 14 line 10

22 Docket No. 3943 (4/4/2008) Attachment NG-MDL-4 Page 1 of 6 Line 7 (8 months)

27 From Page 6 of 14 sum of line 3 through line 5

29 From Page 3 of 14 line 20

36 From Page 4 of 14 line 25(b)

37 From Page 4 of 14 line 17(b)

38 From Page 8 of 14 line 3

44 From Page 4 of 14 line 34(b)

## The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 3 of 14

### National Grid - RI Gas Federal Income Tax Calculation For the Twelve Months ended December 31, 2018

1	Operating Devenues	\$122 045 202
-	Operating Revenues	\$433,065,283
2	_	
3	Less:	
4		
5	Operating Expenses	\$297,823,735
6	Depreciation and Amortization	\$35,164,510
7	Local and Other Taxes	\$25,648,707
8	Revenue Related Taxes (GET)	\$12,651,187
9	Interest - Short-Term Debt	\$97,123
10	Interest - Long-Term Debt	\$18,410,903
11	Other Interest	\$42,195
12	AFUDC	(\$1,522,739)
13		
14	Total Deductions	\$388,315,620
15		
16	Taxable Income	\$44,749,663
17		
18	Federal Income Tax Rate	21.00%
19		
20	Federal Income Tax Expense	\$9,397,429

- 1 From Page 2 of 14 line 9
- 5 From Page 2 of 14 line 23
- 6 From Page 2 of 14 line 26
- 7 From Page 2 of 14 line 27
- 8 From Page 2 of 14 line 28
- 9 From Page 2 of 14 line 36
- 10 From Page 2 of 14 line 37
- 11 From Page 2 of 14 line 38
- 12 From Page 2 of 14 line 39
- 14 Sum of Line 5 through line 12
- 16 Line 1 minus line 14
- 18 Federal income Tax Rate: rate of 21%
- 20 Line 16 times Line 18

#### The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 4 of 14

#### National Grid - RI Gas Applicable Capital Structure, Interest Expense and Preferred Dividends For the Twelve Months ended December 31, 2018

		%	\$
		(a)	(b)
1	Rate Base		\$770,817,662
2		—	
3	Capital Structure		
4		Docket 4770	
5	Short-Term Debt	0.60%	\$4,624,906
6	Long-Term Debt	48.35%	\$372,690,339
7	Preferred Stock	0.10%	\$770,818
8	Common Equity	50.95%	\$392,731,599
9		100.00%	\$770,817,662
10	Interest Expense		
11			
12			
13	Long-Term Debt Portion	48.35%	\$372,690,339
14			
15	Cost of Long-Term Debt December	2018	4.94%
16			
17	Proforma Long-Term Debt Interest		\$18,410,903
18			
19			
20			
21	Short-Term Debt Portion	0.60%	\$4,624,906
22			
23	Cost of Short-Term Debt December	2018	2.10%
24			
25	Proforma Short-Term Debt Interest		\$97,123
26			
27	Preferred Dividends		
28			
29			
30	Preferred Stock Portion	0.10%	\$770,818
31			
32	Cost of Preferred Stock		4.50%
33			
34	Proforma Preferred Stock		\$34,687

#### Notes:

1(b) From Page 5 of 14 line 24(f)

5(a)-8(a) Docket 4770, Compliance Filing Attachment 2, Schedule 1-GAS, Page 4 of 4

5(b)-8(b) Line 1(b) times Line 5(a) through Line 8(a)

- 13 Line 1(b) times Line 13(a)
- 15 From Page 10 of 14 line 12(g)
- 17 Line 13(b) times line 15(b)
- 21 Line 1(b) times Line 21(a)
- 23 From Page 11 Line 14(b)
- 25 Line 21(b) times line 23(b)
- 30 Line 1(b) times Line 30(a)
- 32 Cost rate per Docket No. 4770, Compliance Attachment 2, Schedule 1-GAS, Page 4 Line 5
- 34 Line 30(b) times line 32(b)

#### National Grid - RI Gas Rate Base For the Twelve Months ended December 31, 2018

		December 2017	March 2018	June 2018	September 2018	December 2018	5 Quarter Average December 2018
		(a)	(b)	(c)	(d)	(e)	(f)
1	Gas Plant In Service	\$1,153,416,688	\$1,196,039,463	\$1,216,320,455	\$1,244,302,519	\$1,270,410,017	\$1,216,097,828
2	CWIP	\$76,022,283	\$52,548,788	\$62,799,396	\$69,056,353	\$75,391,908	\$67,163,746
3	Less: Accumulated Depreciation	\$381,913,835	\$388,566,984	\$392,205,142	\$395,245,923	\$399,108,875	\$391,408,152
4	Less: Contribution in Aid of Construction	\$38	\$38	\$38	\$38	\$38	\$38
5							
6	Net Plant	\$847,525,098	\$860,021,229	\$886,914,671	\$918,112,911	\$946,693,012	\$891,853,384
7							
8	Materials and Supplies	\$3,580,099	\$3,981,153	\$4,425,685	\$4,593,747	\$4,724,404	\$4,261,017
9	Prepaid Expenses, Excluding Taxes	\$864,353	\$1,811,623	\$128,359	\$267,841	\$4,774	\$615,390
10	Deferred Debits	\$0	\$0	\$0	\$1,793,454	\$1,686,909	\$696,073
11	Unamortized debt expense and Interest Rate Lock	\$1,727,831	\$1,697,996	\$1,668,162	\$2,113,277	\$2,071,368	\$1,855,727
12	Cash Working Capital	\$19,692,717	\$23,203,552	\$23,203,552	\$23,203,552	\$23,203,552	\$22,501,385
13							
14	Subtotal	\$25,865,000	\$30,694,324	\$29,425,757	\$31,971,871	\$31,691,007	\$29,929,592
15							
16	Accumulated Deferred FIT	\$87,805,880	\$69,153,777	\$74,302,956	\$77,337,699	\$79,976,277	\$77,715,318
17	Excess Deferred Tax	\$51,547,315	\$48,219,314	\$48,219,314	\$48,219,314	\$58,151,908	\$50,871,433
18	Hold Harmless	\$20,773,882	\$20,335,534	\$19,897,186	\$19,458,837	\$19,020,489	\$19,897,186
19	Customer Deposits	\$1,840,627	\$1,857,003	\$1,830,117	\$1,875,748	\$1,982,743	\$1,877,248
20	Injuries and Damages Reserve	\$1,065,107	\$1,007,021	\$948,521	\$0	\$0	\$604,130
21							
22	Subtotal	\$163,032,811	\$140,572,649	\$145,198,094	\$146,891,599	\$159,131,417	\$150,965,314
23							
24	Rate Base	\$710,357,287	\$750,142,903	\$771,142,334	\$803,193,183	\$819,252,602	\$770,817,662

#### Notes:

1(a)-4(e) From Company Financial Statements

1(f)-4(f) Average of Column (a) through Column (e)

6(a)-6(e) Line 1 plus line 2 minus line 3 minus line 4

6(f) Average of Column (a) through Column (e)

8(a)-11(e) From Company Financial Statements

8(f)-11(f) Average of Column (a) through Column (e)

12(b)-12(e) From Page 6 of 14 Line 13

14 Sum of Line 8 through Line 12

16(a)-20(e) From Company Financial Statements

16(f)-20(f) Average of Column (a) through Column (e)

17 Excess Deferred Tax for change in tax rate from 35% to 21%

Hold Harmless rate base credit per Docket No. 3859 Sum of Line 16 through Line 20 18

22

24 Line 6 + Line 14 - Line 22

# The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 6 of 14

# National Grid - RI Gas Cash Working Capital Calculation For the Twelve Months ended December 31, 2018

1	Gas Costs	\$180,027,225
2	Operating Expenses	\$116,163,176
3	Payroll Taxes	\$2,502,790
4	Property Taxes	\$23,065,094
5	State Taxes Other	\$80,823
6	Revenue Related Taxes (GET)	\$12,651,187
7	Total	\$334,490,295
8		
9	Daily Cash Requirement	\$916,412
10		
11	Net Lag Days	32.95
12		
13	Total Working Capital	\$23,203,552

- 1 From Page 2 of 14 line 12
- 2 From Page 2 of 14 lines 13-18
- 3-5 From Company Financial Statements
- 6 From Page 2 of 14 line 28
- 7 Sum of Lines 1 through line 6
- 9 Line 7 divided by 365 days
- 11 Per Docket No. 4770, Schedule MAL-42-GAS, (Page 3 of 29, Line 18 - Page 2 of 29, Line 1)
- 13 Line 9 times line 11

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 7 of 14

# National Grid - RI Gas Detail Other Revenue/(Expense) For the Twelve Months ended December 31, 2018

1	Rent from Gas Property	\$675,018
2	Other Revenue	(\$2,115,622)
3	Recovery of Supervision & Administrative Costs	(\$29,462)
4	RDM Revenue	(\$9,368,557)
5	DAC Revenue	\$188,781
6	LIHEAP Revenue	(\$384,504)
7	Misc Revenue	\$0
8	Interest on Customer Arrears	\$319,761
9		
10	Total Other Revenue	(\$10,714,585)

Notes:

1-8 From Company Financial Statements

10 Sum of line 1 through line 8

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 8 of 14

# National Grid - RI Gas Detail Other Interest Expense For the Twelve Months ended December 31, 2018

1	Interest on Customer Deposits	\$42,195
2		
3	Total Other Interest Expense	\$42,195

- 1 From Company Financial Statements
- 3 Line 1

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 9 of 14

## National Grid - RI Gas Detail Non-Operating Income / (Expense) For the Twelve Months ended December 31, 2018

1	Service Contract Revenue	\$167,650
2	Share Awards	(\$169,346)
3	Interest on Over / (Under) Collections, primarily Deferred Gas Costs	\$45,128
4	Deferred Compensation - Life Insurance	(\$16,913)
5	Federal Income Taxes on Non-Operating Income	(\$859,958)
6	NGPMP per Docket 4038	\$0
7	Lobbying / Legal and Political Expense	\$526,601
8	Penalties	\$175,400
9	Other	\$2,935,897
10	Total Non-Operating Income/(Expense)	\$2,804,459

Notes:

1-9 From Company Financial Statements

10 Sum of line 1 through line 9

#### National Grid - RI Gas Calculation of Average Long-Term Debt Interest Rate For the Twelve Months ended December 31, 2018

		(a)	(b)	(c)	(d)	(e)	(f)	(g)
					Ann	ual Amortization		
	Series	Percent	Due	Amount	Annual Interest	of DD&E	Total Expense	Cost of Debt
1	Senior Unsecured Notes							
2	Senior Notes	4.534%	15-Mar-2020	\$250,000,000	\$11,335,000	\$664,600	\$11,999,600	4.80%
3	Senior Notes	5.638%	15-Mar-2040	\$300,000,000	\$16,914,000	\$279,300	\$17,193,300	5.73%
4	Senior Notes	4.170%	10-Dec-2042	\$250,000,000	\$10,425,000	\$75,000	\$10,500,000	4.20%
5	Senior Notes	3.919%	1-Aug-2028	\$148,750,000	\$5,829,513	\$61,185	\$5,890,698	3.96%
6	First Mortgage Bonds (*)							
7	Providence Gas FMB S	6.820%	1-Apr-2018	\$3,616,000	\$246,611	\$7,000	\$253,611	7.01%
8	Providence Gas FMB N	9.630%	30-May-2020	\$10,000,000	\$963,000	\$4,100	\$967,100	9.67%
9	Providence Gas FMB O	8.460%	30-Sep-2022	\$12,500,000	\$1,057,500	\$4,300	\$1,061,800	8.49%
10	FMB Series P	8.090%	30-Sep-2022	\$2,968,750	\$240,172	\$3,500	\$243,672	8.21%
11	FMB Series R	7.500%	15-Dec-2025	\$5,968,750	\$447,656	\$4,100	\$451,756	7.57%
12	Total			\$983,803,500	\$47,458,452	\$1,103,085	\$48,561,537	4.94%

Notes: 1-11 From Financial Statements

1-11 Tion Thatea Statements

1(c)-11(c) \*Average amounts represent The Narragansett Electric Company consolidated amounts as the Gas division is not a legal entity.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 11 of 14

## National Grid - RI Gas Calculation of Average Short-Term Debt Interest Rate For the Twelve Months ended December 31, 2018

	Month	(a) Average Short-Term <u>Debt Balance</u>	(b) Weighted <u>Cost Rate</u>	(c) Short-Term <u>Interest Expense</u>
1	Jan-18	\$188,410,097	1.73%	\$272,423
2	Feb-18	\$207,257,672	1.88%	\$287,680
3	Mar-18	\$266,688,204	1.91%	\$427,366
4	Apr-18	\$289,320,538	2.23%	\$524,088
5	May-18	\$256,154,242	2.32%	\$499,462
6	Jun-18	\$279,330,467	2.25%	\$512,578
7	Jul-18	\$241,974,306	2.31%	\$499,785
8	Aug-18	-	2.28%	-
9	Sep-18	-	2.24%	-
10	Oct-18	-	2.36%	-
11	Nov-18	-	2.48%	-
12	Dec-18	-	2.59%	-
13	_			
14	Average	\$144,094,627	2.10%	\$3,023,383

### Notes:

Average amounts represent The Narragansett Electric Company consolidated

1(a)-12(a) amounts as the Gas division is not a legal entity and participates in the National Grid money pool as a division of The Narragansett Electric.

14(b) Line 14 (c) divided by Line 14 (a)

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 12 of 14

#### National Grid - RI Gas Merger Hold Harmless Rate Base Credit For the Twelve Months ended December 31, 2018

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Schedule MAL-11-GAS Page 9 of 23

#### The Narragansett Electric Company d/b/a National Grid Merger Hold Harmless Rate Base Credit Adjustments To Rate Base Test Year Ending June 31,2017 through Rate Year 1 Ending August 31, 2019

	Description	Period (a)	Monthly Expense (b)	Merger Hold Hamless Rate Base Credit (c)
1 2	Balance at June 30, 2017			\$21,532,971
3	Subsequent 2 months			(\$253,030)
5 6 7	Balance at August 31, 2017			\$21,279,942
8 9	Increase/(Decrease) 12 Months Ended	08/31/18		(\$1,674,988.40)
10	Balance at August 31, 2018			\$19,604,953
11	<b>U</b> .	09/30/18	(\$146,116)	\$19,458,837
12		10/31/18	(\$146,116)	\$19,312,721
13		11/30/18	(\$146,116)	\$19,166,605
14		12/31/18	(\$146,116)	\$19,020,489
15		01/31/19	(\$167,950)	\$18,852,539
16		02/28/19	(\$167,950)	\$18,684,590
17		03/31/19	(\$167,950)	\$18,516,640
18		04/30/19	(\$167,950)	\$18,348,691
19		05/31/19	(\$167,950)	\$18,180,741
20		06/30/19	(\$167,950)	\$18,012,792
21		07/31/19	(\$167,950)	\$17,844,842
22 23	Balance at August 31, 2019	08/31/19	(\$167,950)	\$17,676,893
24	Rate Year 1 Merger Hold Harmless - 5 Qua	rter Average		\$18,662,756

Line Notes

1(c) Page 21 of 23 Line 5 Column (e)

- 3(c) Page 21 of 23 Line 6 Column (f) divide by 3 times 2
- 5(c) Line 1 + Line 8

11(b) Page 21 of 23 Line 10 Column (f) divide by 3 times 1 12(b) Page 21 of 23 Line 11 Column (f) divide by 3 times 1 Page 21 of 23 Line 11 Column (f) divide by 3 times 1 13(b) Page 21 of 23 Line 11 Column (f) divide by 3 times 1 14(b) 15(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1 16(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1 Page 21 of 23 Line 12 Column (f) divide by 3 times 1 17(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1 Page 21 of 23 Line 13 Column (f) divide by 3 times 1 Page 21 of 23 Line 13 Column (f) divide by 3 times 1 18(b) 19(b) 20(b) Page 21 of 23 Line 13 Column (f) divide by 3 times 1 Page 21 of 23 Line 14 Column (f) divide by 3 times 1 21(b) 22(b) Page 21 of 23 Line 14 Column (f) divide by 3 times 1

# The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 4770 Gas Earnings Sharing Mechanism Page 13 of 14

Schedule DJE-2 Revised

## NATIONAL GRID MERGER ADJUSTMENT TO ADIT Projected Deferred Tax Schedule (\$000)

Southern ADIT National Southern As of Union Grid Union Merger <u>31-Dec</u> ADIT ADIT Difference ADITC Adjustment 2006 \$ 34,845 \$ 214 \$ 34,631 \$ 1,133 \$ 35,764 2007 \$ 33,908 \$ 1,238 \$ 32,670 \$ 928 \$ 33,598 2008 \$ 32,170 \$ 2,073 \$ 30,097 \$ 724 \$ 30,821 \$ \$ \$ 28,227 \$ \$ 2009 30,086 1,859 519 28,746 \$ \$ 27,235 \$ \$ 27,549 2010 29,473 2,238 \$ 315 2011 \$ 29,632 \$ 3,184 \$ 26,448 \$ 110 \$ 26,558 \$ \$ \$ 25,823 \$ 2012 29,583 3,760 25,823 2013 \$ 29,515 \$ 4,286 \$ 25,229 \$ 25,229 \$ 2014 \$ 29,199 \$ 4,628 \$ 24,572 24,572 \$ 2015 \$ \$ \$ 29,095 5,530 23,566 23,566 \$ 2016 \$ 28,823 \$ 6,531 \$ 22,292 22,292 \$ \$ \$ \$ 2017 28,342 7,568 20,774 20,774 \$ 2018 \$ \$ \$ 19,020 19,020 27,627 8,606 2019 \$ \$ \$ \$ 26,847 9,842 17,005 17,005 \$ \$ \$ 2020 25,922 \$ 11,305 14,617 14,617 \$ 2021 \$ 24,732 \$ 12,797 \$ 11,934 11,934 \$ 2022 \$ 23,374 \$ 14,311 \$ 9,064 9,064

### National Grid - RI Gas Reconciliation of Gas Earnings Sharing Mechanism to Annual Report For the Twelve Months ended December 31, 2018

1	Operating Revenues	
2	Gas Operating Revenues shown on Page 301, Line 1(f) of the Annual Report	\$394,332,382
3	1 Remove Energy Efficiency Incentives	(\$1,627,345)
4	2 Unbilled Revenue Net Margin	\$7,726,911
5	3 Unbilled Energy Efficiency	(\$961,695)
6	Gas Earnings Sharing Mechanism, Page 2, Total Firm Gas Revenues	\$399,470,253
7		
8	Revenues from Transportation shown on Page 301, Line 7(f) of the Annual Report	\$45,282,322
9	1 Unbilled Transportation	(\$42,747)
10	Gas Earnings Sharing Mechanism, Page 2, Transportation Revenues	\$45,239,575
11 12	Miscellaneous Service Revenues shown on Page 301, Line 4(f) of the Annual Report	(\$376)
12	Rent from Gas Property shown on Page 301, Line 12(f) of the Annual Report	\$675,018
14	Other Gas Revenues shown on Page 301, Line 14(f) of the Annual Report	(\$4,244,179)
15	1 Excess Sharing	\$4,482,546
16	2 Off System Gas Sales	(\$5,248,914)
17	3 Contract Sharing	\$145,732
18	4 Unbilled DAC	(\$6,103,929)
19	5 Unbilled RDM	(\$740,618)
20	6 Miscellaneous Service Revenues	\$376
21	7 CSS Revenue - Customer Arrears	\$319,761
22	Gas Earnings Sharing Mechanism, Page 2, Other Revenues	(\$10,714,583)
23		
24	Inventory Financing	(\$929,960)
25		
26	Operating Expenses	
		\$180.027.225
28	Production expenses shown on Page 320 of the Annual Report	\$180,027,225 \$180,027,225
28 29		\$180,027,225 \$180,027,225
28 29 30	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)	\$180,027,225
28 29 30 31	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs) Natural Gas Storage expenses shown on Page 322 of the Annual Report	\$180,027,225 \$5,917,312
28 29 30 31 32	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)	\$180,027,225
28 29 30 31	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs) Natural Gas Storage expenses shown on Page 322 of the Annual Report	\$180,027,225 \$5,917,312
28 29 30 31 32 33	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs) Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage	\$180,027,225 \$5,917,312 \$5,917,312
28 29 30 31 32 33 34	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs) Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage Transmission expenses shown on Page 323 of the Annual Report	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244
28 29 30 31 32 33 34 35 36 37	Production expenses shown on Page 320 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$29,303,308
28 29 30 31 32 33 34 35 36 37 38	Production expenses shown on Page 320 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual ReportGas Earnings Sharing Mechanism, Page 2, Transmission	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244
28 29 30 31 32 33 34 35 36 37 38 39	<ul> <li>Production expenses shown on Page 320 of the Annual Report</li> <li>Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report</li> <li>Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report</li> <li>Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report</li> <li>Gas Earnings Sharing Mechanism, Page 2, Distribution</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308
28 29 30 31 32 33 34 35 36 37 38 39 40	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324-325 of the Annual Report	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308 \$43,666,463
28 29 30 31 32 33 34 35 36 37 38 39 40 41	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324-325 of the Annual Report 1 Zero out Uncollectible Accounts per books	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308 \$43,666,463 (\$8,721,968)
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324-325 of the Annual Report 1 Zero out Uncollectible Accounts per books 2 Add Bad Debt Write-Offs	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308 \$29,303,308 \$43,666,463 (\$8,721,968) \$5,615,181
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324-325 of the Annual Report 1 Zero out Uncollectible Accounts per books	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308 \$43,666,463 (\$8,721,968)
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report 1 Zero out Uncollectible Accounts per books 2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$29,303,308 \$29,303,308 \$43,666,463 (\$8,721,968) \$5,615,181 \$40,559,676
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report</li> <li>1 Zero out Uncollectible Accounts per books</li> <li>2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> <li>Sales expenses shown on Page 325 of the Annual Report</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$22,303,308 \$23,615,181 \$40,559,676 \$233,055
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324 of the Annual Report 1 Zero out Uncollectible Accounts per books 2 Add Bad Debt Write-Offs Gas Earnings Sharing Mechanism, Page 2, Customer AccountsSales expenses shown on Page 325 of the Annual Report 1 Remove Sales expenses	\$180,027,225 \$5,917,312 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$23,666,463 (\$8,721,968) \$5,615,181 \$40,559,676 \$233,055 (\$233,055)
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report</li> <li>1 Zero out Uncollectible Accounts per books</li> <li>2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> <li>Sales expenses shown on Page 325 of the Annual Report</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$22,303,308 \$23,615,181 \$40,559,676 \$233,055
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report</li> <li>1 Zero out Uncollectible Accounts per books</li> <li>2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> <li>Sales expenses shown on Page 325 of the Annual Report</li> <li>1 Remove Sales expenses</li> <li>Gas Earnings Sharing Mechanism, Page 2, States</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$23,055 (\$233,055) \$0 \$0
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, StorageTransmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, TransmissionDistribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, DistributionCustomer Accounts expenses shown on Pages 324 of the Annual Report 1 Zero out Uncollectible Accounts per books 2 Add Bad Debt Write-Offs Gas Earnings Sharing Mechanism, Page 2, Customer AccountsSales expenses shown on Page 325 of the Annual Report 1 Remove Sales expenses	\$180,027,225 \$5,917,312 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$23,666,463 (\$8,721,968) \$5,615,181 \$40,559,676 \$233,055 (\$233,055)
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report</li> <li>1 Zero out Uncollectible Accounts per books</li> <li>2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> <li>Sales expenses shown on Page 325 of the Annual Report</li> <li>1 Remove Sales expenses</li> <li>Gas Earnings Sharing Mechanism, Page 2, Sales</li> <li>Administrative and General expenses shown on Page 325 of the Annual Report</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$23,055,615,181 \$40,559,676 \$233,055 (\$233,055) \$0 \$0 \$0 \$37,634,675
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Production expenses shown on Page 320 of the Annual Report         Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)         Natural Gas Storage expenses shown on Page 322 of the Annual Report         Gas Earnings Sharing Mechanism, Page 2, Storage         Transmission expenses shown on Page 323 of the Annual Report         Gas Earnings Sharing Mechanism, Page 2, Storage         Transmission expenses shown on Page 323 of the Annual Report         Gas Earnings Sharing Mechanism, Page 2, Transmission         Distribution expenses shown on Page 324 of the Annual Report         Gas Earnings Sharing Mechanism, Page 2, Distribution         Customer Accounts expenses shown on Pages 324-325 of the Annual Report         1 Zero out Uncollectible Accounts per books         2 Add Bad Debt Write-Offs         Gas Earnings Sharing Mechanism, Page 2, Customer Accounts         Sales expenses shown on Page 325 of the Annual Report         1 Remove Sales expenses         Gas Earnings Sharing Mechanism, Page 2, Sales         Administrative and General expenses shown on Page 325 of the Annual Report         1 Reclassify Donations to A&G expense from Account 426.1	\$180,027,225 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$23,055 (\$233,055) \$0 \$0 \$0 \$37,634,675 \$324,271
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	<ul> <li>Production expenses shown on Page 320 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Production (Gas Costs)</li> <li>Natural Gas Storage expenses shown on Page 322 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Storage</li> <li>Transmission expenses shown on Page 323 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Transmission</li> <li>Distribution expenses shown on Page 324 of the Annual Report Gas Earnings Sharing Mechanism, Page 2, Distribution</li> <li>Customer Accounts expenses shown on Pages 324-325 of the Annual Report 1 Zero out Uncollectible Accounts per books 2 Add Bad Debt Write-Offs</li> <li>Gas Earnings Sharing Mechanism, Page 2, Customer Accounts</li> <li>Sales expenses shown on Page 325 of the Annual Report 1 Remove Sales expenses</li> <li>Gas Earnings Sharing Mechanism, Page 2, Sales</li> <li>Administrative and General expenses shown on Page 325 of the Annual Report 1 Reclassify Donations to A&amp;G expense from Account 426.1</li> <li>2 Exclude Executive Variable Compensation not charged to customers</li> </ul>	\$180,027,225 \$5,917,312 \$5,917,312 \$5,917,312 \$1,140,244 \$1,140,244 \$1,140,244 \$29,303,308 \$35,615,181 \$40,559,676 \$233,055 \$324,271 (\$260,147)