

The Narragansett Electric Company
d/b/a National Grid

INVESTIGATION AS TO THE
PROPRIETY OF PROPOSED TARIFF
CHANGES

Revised Schedules of:

Melissa A. Little

Schedule MAL-30 (REV-1) through
Schedule MAL-42 (REV-1)

Book 10A of 17

March 2, 2018

Submitted to:
Rhode Island Public Utilities Commission
RIPUC Docket No. 4770

Submitted by:

nationalgrid

Schedule MAL-30 (REV-1)

Other Operating and Maintenance Expense

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

	Test Year Ended June 30, 2017						Test Year Ended June 30, 2017			
	(Per Books)			Normalizing Adjustments			(as Adjusted)			
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$56,034,375	\$40,972,433	\$15,061,942	(\$15,187,786)	(\$16,150,014)	\$962,227	\$40,846,589	\$24,822,420	\$16,024,169
2	National Grid USA Service Company	\$30,160,400	\$17,974,935	\$12,185,465	(\$8,213,163)	(\$6,058,978)	(\$2,154,185)	\$21,947,237	\$11,915,957	\$10,031,280
3	All Other Companies	\$590,722	\$443,956	\$146,766	(\$91,434)	(\$91,035)	(\$399)	\$499,287	\$352,921	\$146,367
4	Total	\$86,785,496	\$59,391,324	\$27,394,172	(\$23,492,383)	(\$22,300,027)	(\$1,192,356)	\$63,293,113	\$37,091,297	\$26,201,816
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	(\$30,676)	(\$30,676)	\$0	(\$30,676)	(\$30,676)	\$0
9	Power Production Expenses	(\$1,897,194)	\$0	(\$1,897,194)	\$1,899,514	\$0	\$1,899,514	\$2,320	\$0	\$2,320
10	Natural Gas Storage, Terminaling and Processing Exp.	\$771,981	\$0	\$771,981	(\$94,152)	\$0	(\$94,152)	\$677,829	\$0	\$677,829
11	Transmission Expenses	\$1,215,227	\$1,209,778	\$5,449	(\$679,902)	(\$676,318)	(\$3,585)	\$535,325	\$533,461	\$1,864
12	Regional Market Expenses	\$277,120	\$277,120	\$0	\$24,723	\$24,723	\$0	\$301,843	\$301,843	\$0
13	Distribution Expenses	\$13,298,137	\$4,127,268	\$9,170,870	(\$6,078,499)	(\$1,117,060)	(\$4,961,440)	\$7,219,638	\$3,010,208	\$4,209,430
14	Customer Accounts Expenses	\$8,756,120	\$5,666,243	\$3,089,877	(\$2,287,993)	(\$2,000,693)	(\$287,301)	\$6,468,127	\$3,665,550	\$2,802,577
15	Customer Service and Informational Expenses	\$1,267,920	\$764,319	\$503,601	(\$301,674)	(\$159,716)	(\$141,958)	\$966,247	\$604,604	\$361,643
16	Sales Expenses	\$554,136	\$374,921	\$179,215	(\$300,078)	(\$236,975)	(\$63,103)	\$254,058	\$137,946	\$116,113
17	Administrative & General Expenses	\$38,813,544	\$27,461,887	\$11,351,656	(\$6,467,447)	(\$8,557,608)	\$2,090,161	\$32,346,097	\$18,904,279	\$13,441,817
18	Sub Total	\$63,056,991	\$39,881,536	\$23,175,456	(\$14,316,185)	(\$12,754,322)	(\$1,561,863)	\$48,740,806	\$27,127,214	\$21,613,592
19										
20										
21										
22	Maintenance:									
23	Transmission Expenses	\$3,051,449	\$3,043,907	\$7,542	(\$1,505,784)	(\$1,505,979)	\$196	\$1,545,665	\$1,537,927	\$7,738
24	Distribution Expenses	\$20,590,262	\$16,382,334	\$4,207,927	(\$7,662,828)	(\$8,032,305)	\$369,476	\$12,927,433	\$8,350,030	\$4,577,403
25	Administrative & General Expenses	\$86,794	\$83,547	\$3,247	(\$7,586)	(\$7,422)	(\$165)	\$79,208	\$76,125	\$3,083
26	Sub Total	\$23,728,505	\$19,509,788	\$4,218,717	(\$9,176,198)	(\$9,545,705)	\$369,507	\$14,552,307	\$9,964,083	\$4,588,224
27										
28	TOTAL	\$86,785,496	\$59,391,324	\$27,394,172	(\$23,492,383)	(\$22,300,027)	(\$1,192,356)	\$63,293,113	\$37,091,297	\$26,201,816
		\$0	\$0	\$0	\$0	\$0	(\$0)	\$0	\$0	(\$0)

Column Notes

- (b) Per Company Books
- (c) Per Company Books
- (e) Page 6 of 9
- (f) Page 7 of 9

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

	Test Year Ended June 30, 2017						Rate Year Ending August 31, 2019			
	(as Adjusted)			Proforma Adjustments			Total	Electric	Gas	
	Total	Electric	Gas	Total	Electric	Gas				
(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)		
Provider Company:										
1	Narragansett Electric Company	\$40,846,589	\$24,822,420	\$16,024,169	\$1,891,868	\$1,150,054	\$741,814	\$42,738,457	\$25,972,474	\$16,765,983
2	National Grid USA Service Company	\$21,947,237	\$11,915,957	\$10,031,280	\$1,016,157	\$551,709	\$464,448	\$22,963,394	\$12,467,666	\$10,495,728
3	All Other Companies	\$499,287	\$352,921	\$146,367	\$23,117	\$16,340	\$6,777	\$522,404	\$369,261	\$153,144
4	Total	\$63,293,113	\$37,091,297	\$26,201,816	\$2,931,142	\$1,718,103	\$1,213,039	\$66,224,255	\$38,809,400	\$27,414,855
5										
6										
7	Operation:									
8	Production Expenses	(\$30,676)	(\$30,676)	\$0	(\$1,420)	(\$1,420)	\$0	(\$32,096)	(\$32,096)	\$0
9	Power Production Expenses	\$2,320	\$0	\$2,320	\$107	\$0	\$107	\$2,427	\$0	\$2,427
10	Natural Gas Storage, Terminating and Processing Exp.	\$677,829	\$0	\$677,829	\$31,383	\$0	\$31,383	\$709,212	\$0	\$709,212
11	Transmission Expenses	\$535,325	\$533,461	\$1,864	\$23,349	\$23,262	\$86	\$558,674	\$556,723	\$1,950
12	Regional Market Expenses	\$301,843	\$301,843	\$0	\$13,975	\$13,975	\$0	\$315,818	\$315,818	\$0
13	Distribution Expenses	\$7,219,638	\$3,010,208	\$4,209,430	\$334,347	\$139,450	\$194,897	\$7,553,985	\$3,149,658	\$4,404,326
14	Customer Accounts Expenses	\$6,468,127	\$3,665,550	\$2,802,577	\$299,474	\$169,715	\$129,759	\$6,767,601	\$3,835,265	\$2,932,336
15	Customer Service and Informational Expenses	\$966,247	\$604,604	\$361,643	\$44,737	\$27,993	\$16,744	\$1,010,984	\$632,597	\$378,387
16	Sales Expenses	\$254,058	\$137,946	\$116,113	\$11,763	\$6,387	\$5,376	\$265,821	\$144,332	\$121,489
17	Administrative & General Expenses	\$32,346,097	\$18,904,279	\$13,441,817	\$1,510,680	\$888,429	\$622,251	\$33,856,777	\$19,792,709	\$14,064,068
18	Sub Total	\$48,740,806	\$27,127,214	\$21,613,592	\$2,268,396	\$1,267,792	\$1,000,604	\$51,009,203	\$28,395,006	\$22,614,196
19										
20										
21										
22	Maintenance:									
23	Transmission Expenses	\$1,545,665	\$1,537,927	\$7,738	\$68,426	\$68,068	\$358	\$1,614,091	\$1,605,995	\$8,096
24	Distribution Expenses	\$12,927,433	\$8,350,030	\$4,577,403	\$590,652	\$378,719	\$211,934	\$13,518,086	\$8,728,749	\$4,789,337
25	Administrative & General Expenses	\$79,208	\$76,125	\$3,083	\$3,667	\$3,525	\$143	\$82,875	\$79,650	\$3,225
26	Sub Total	\$14,552,307	\$9,964,083	\$4,588,224	\$662,746	\$450,311	\$212,435	\$15,215,052	\$10,414,394	\$4,800,659
27										
28	TOTAL	\$63,293,113	\$37,091,297	\$26,201,816	\$2,931,142	\$1,718,103	\$1,213,039	\$66,224,255	\$38,809,400	\$27,414,855
		\$0	\$0	(\$0)	(\$0)	\$0	(\$0)	(\$0)	\$0	(\$0)

Column Notes

- (b) Page 1 of 9, Column (h)
- (c) Page 1 of 9, Column (i)
- (e) Page 5 of 9, Column (h)
- (f) Page 5 of 9, Column(i)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (b)	Data Year 1 Ending August 31, 2020 <u>Electric</u> (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$25,972,474	\$691,314	\$26,663,787	\$648,337	\$27,312,125
2	National Grid USA Service Company	\$12,467,666	\$331,640	\$12,799,305	\$311,023	\$13,110,329
3	All Other Companies	\$369,261	\$1,938	\$371,198	\$1,817	\$373,016
4	Total	<u>\$38,809,400</u>	<u>\$1,024,891</u>	<u>\$39,834,291</u>	<u>\$961,178</u>	<u>\$40,795,469</u>
5						
6						
7	Operation:					
8	Production Expenses	(\$32,096)	(\$783)	(\$32,879)	(\$735)	(\$33,614)
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storg, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$556,723	\$15,641	\$572,365	\$14,669	\$587,034
13	Regional Market Expenses	\$315,818	\$7,534	\$323,352	\$7,066	\$330,417
14	Distribution Expenses	\$3,149,658	\$81,975	\$3,231,633	\$76,879	\$3,308,512
15	Customer Accounts Expenses	\$3,835,265	\$99,578	\$3,934,843	\$93,388	\$4,028,231
16	Customer Service and Informational Expenses	\$632,597	\$15,686	\$648,283	\$14,711	\$662,994
18	Sales Expenses	\$144,332	\$3,679	\$148,012	\$3,451	\$151,463
19	Administrative & General Expenses	\$19,792,709	\$520,143	\$20,312,852	\$487,808	\$20,800,659
20	Sub Total	<u>\$28,395,006</u>	<u>\$743,454</u>	<u>\$29,138,460</u>	<u>\$697,236</u>	<u>\$29,835,696</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$1,605,995	\$42,622	\$1,648,617	\$39,972	\$1,688,589
24	Distribution Expenses	\$8,728,749	\$236,705	\$8,965,454	\$221,990	\$9,187,444
25	Administrative & General Expenses	\$79,650	\$2,111	\$81,761	\$1,979	\$83,740
26	Sub Total	<u>\$10,414,394</u>	<u>\$281,438</u>	<u>\$10,695,831</u>	<u>\$263,942</u>	<u>\$10,959,773</u>
27						
28	TOTAL	<u>\$38,809,400</u>	<u>\$1,024,891</u>	<u>\$39,834,291</u>	<u>\$961,178</u>	<u>\$40,795,469</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2 of 9, Column (h)
- (b) Page 8 of 9, Column(e)
- (d) Page 9 of 9, Column (e)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021	
	Gas	Gas	Gas	Gas	Gas	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$16,765,983	\$445,915	\$17,211,898	\$418,194	\$17,630,092
2	National Grid USA Service Company	\$10,495,728	\$279,186	\$10,774,915	\$260,723	\$11,035,638
3	All Other Companies	\$153,144	\$674	\$153,818	\$632	\$154,450
4	Total	<u>\$27,414,855</u>	<u>\$725,775</u>	<u>\$28,140,630</u>	<u>\$679,549</u>	<u>\$28,820,179</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$2,427	\$65	\$2,492	\$61	\$2,553
10	Natural Gas Storg, Terminaling and Processing Exp.	\$709,212	\$18,730	\$727,942	\$17,521	\$745,462
12	Transmission Expenses	\$1,950	\$52	\$2,002	\$49	\$2,051
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$4,404,326	\$116,536	\$4,520,862	\$109,090	\$4,629,952
15	Customer Accounts Expenses	\$2,932,336	\$77,804	\$3,010,140	\$72,904	\$3,083,044
16	Customer Service and Informational Expenses	\$378,387	\$10,007	\$388,394	\$9,366	\$397,761
18	Sales Expenses	\$121,489	\$3,177	\$124,666	\$2,962	\$127,627
19	Administrative & General Expenses	\$14,064,068	\$372,077	\$14,436,145	\$348,266	\$14,784,410
20	Sub Total	<u>\$22,614,196</u>	<u>\$598,447</u>	<u>\$23,212,643</u>	<u>\$560,217</u>	<u>\$23,772,860</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$8,096	\$215	\$8,311	\$202	\$8,513
24	Distribution Expenses	\$4,789,337	\$127,027	\$4,916,364	\$119,049	\$5,035,413
25	Administrative & General Expenses	\$3,225	\$86	\$3,312	\$81	\$3,393
26	Sub Total	<u>\$4,800,659</u>	<u>\$127,328</u>	<u>\$4,927,987</u>	<u>\$119,332</u>	<u>\$5,047,319</u>
27						
28	TOTAL	<u>\$27,414,855</u>	<u>\$725,775</u>	<u>\$28,140,630</u>	<u>\$679,549</u>	<u>\$28,820,179</u>

(\$0) \$0 (\$0) \$0 (\$0)

Column Notes

- (a) Page 2 of 9, Column (i)
- (b) Page 8 of 9, Column(f)
- (d) Page 9 of 9, Column(f)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

Test Year Ended June 30, 2017
(Per Books)

	Total		Normalizing Adjustments		Proforma Adjustments		Rate Year Ending August 31, 2019		
	(a) = (b) + (c)	(b)	(d) = (e) + (f)	(e)	(g) = (h) + (i)	(h)	(j) = (k) + (l)	(k)	(l)
Other Operation & Maintenance Expenses:									
Consultants	\$15,312,989	\$9,867,711	(\$3,610,841)	(\$2,155,636)	\$541,809	\$357,069	\$12,243,957	\$8,069,144	\$4,174,813
Contractors	\$39,642,299	\$29,967,937	(\$17,568,024)	(\$17,110,337)	\$1,022,039	\$595,307	\$23,096,314	\$13,452,907	\$9,643,407
Donations	\$5,474	\$20,464	\$826,140	\$559,422	\$40,819	\$26,849	\$922,433	\$606,736	\$315,697
Employee Expenses	\$3,303,827	\$2,417,682	(\$1,248,439)	(\$1,090,412)	\$95,164	\$61,453	\$2,150,532	\$1,388,723	\$761,829
Hardware	\$306,908	\$255,398	(\$41,810)	(\$40,042)	\$12,274	\$9,971	\$277,373	\$225,328	\$52,045
Software	\$5,633,838	\$4,079,964	(\$2,131,986)	(\$1,726,720)	\$162,137	\$108,955	\$3,664,008	\$2,462,200	\$1,201,808
Other	\$5,112,626	\$2,520,930	\$1,989,030	\$224,899	\$328,807	\$127,132	\$7,430,462	\$2,872,961	\$4,557,501
Third Party Rent Expense	\$4,269,776	\$3,317,851	(\$127,454)	(\$107,152)	\$191,790	\$148,655	\$4,334,111	\$3,359,354	\$974,758
Construction Reimbursement	\$3,761	\$4,511	\$750	\$0	\$209	\$209	\$4,720	\$4,720	\$0
Materials Outside Vendor	\$2,877,364	\$1,409,438	(\$203,755)	(\$87,383)	\$123,788	\$61,211	\$2,797,398	\$1,383,266	\$1,414,132
Materials from Inventory	\$2,149,789	\$1,241,888	(\$73,141)	\$182,190	\$96,149	\$65,921	\$2,172,797	\$1,489,698	\$683,098
Materials Stores Handling	\$345,724	\$211,064	(\$2,059)	(\$53,933)	\$15,912	\$12,179	\$359,577	\$275,217	\$84,360
Transportation	\$7,303,962	\$3,723,553	(\$716,051)	(\$415,988)	\$305,020	\$153,140	\$6,892,931	\$3,460,706	\$3,432,226
Paving	\$8,716	\$646	\$0	\$0	\$404	\$30	\$9,119	\$676	\$8,443
Misc Other	(\$14,489)	(\$16,764)	\$0	\$0	\$0	\$0	(\$14,489)	(\$16,764)	\$2,275
Other Benefit	\$472,912	\$369,250	(\$584,743)	(\$584,743)	(\$5,178)	(\$9,977)	(\$117,009)	(\$225,471)	\$108,462
TOTAL	\$86,785,496	\$59,391,324	(\$23,492,383)	(\$22,300,027)	\$2,931,142	\$1,718,103	\$66,224,255	\$38,809,400	\$27,414,855

Column Notes
(b) Per Company books
(c) Per Company books
(e) Page 6 of 9, Column(i)
(f) Page 7 of 9, Column (e)
(h) Inflation Adjustment
(i) Inflation Adjustment

The Narragansett Electric Company d/b/a National Grid
Adjustments to Electric Operating Expenses (ELECTRIC)
Normalizing Adjustments to Other O & M Expenses

	Test Year Ended June 30, 2017 (Per Books)	IFA (b)	ReGrowth Program (c)	Vegetation Management (ISR) (d)	Inspection & Maintenance (ISR) (e)	Parent Company Initiative (f)	Storms (g)	Other (h)	Total Normalizing Adjustments (i) sum (b through i)	Test Year Ended June 30, 2017 (as Adjusted) (j) = (a)+(i)
1	Operating & Maintenance Expense									
2	Consultants	\$9,867,711	(\$283,817)	\$0	\$0	(\$591,790)	\$305	(\$94,659)	(\$2,155,636)	\$7,712,075
3	Contractors	\$29,967,937	(\$99,304)	(\$8,690,601)	(\$10,213)	(\$801,628)	(\$3,363,132)	\$103,924	(\$17,110,337)	\$12,857,600
4	Donations	\$20,464	\$0	\$0	\$0	\$0	\$0	\$364,188	\$359,422	\$79,887
5	Employee Expenses	\$2,417,682	\$0	(\$6,561)	(\$685)	(\$71,027)	(\$315,443)	(\$238,578)	(\$1,090,412)	\$1,327,270
6	Hardware	\$255,398	\$0	\$0	\$0	(\$915)	\$0	\$1,764	(\$400,42)	\$215,357
7	Software	\$4,079,964	\$0	\$0	\$0	(\$3,470)	\$2,120	(\$1,090,428)	(\$1,726,720)	\$2,353,245
8	Other	\$2,520,930	(\$9,023)	(\$5,306)	(\$11,607)	(\$61,633)	\$4,382,229	(\$2,750,434)	\$224,899	\$2,745,829
9	Third Party Rent Expense	\$3,317,851	\$0	\$0	\$0	\$0	(\$32,192)	(\$74,960)	(\$107,152)	\$3,210,699
10	Construction Reimbursement	\$4,511	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,511
11	Materials Outside Vendor	\$1,409,438	\$0	(\$480)	\$0	(\$1,003)	(\$4,987)	\$84,569	(\$87,383)	\$1,322,055
12	Materials from Inventory	\$1,241,588	\$0	\$0	(\$146)	(\$77)	(\$18,890)	\$244,266	\$182,190	\$1,423,778
13	Materials Stores Handling	\$211,164	\$0	\$0	(\$29)	\$0	\$0	\$53,933	\$51,874	\$263,038
14	Transportation	\$3,723,553	\$0	(\$34,035)	(\$87,490)	\$0	(\$124,468)	\$279,597	(\$415,988)	\$3,307,565
15	Paving	\$646	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$646
16	Misc. Other	(\$16,764)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$16,764)
17	Other Benefit	\$369,250	(\$534,199)	\$0	\$0	(\$105)	\$0	\$0	(\$584,743)	(\$215,494)
18										
19										
20										
21										
22	Total Operating & Maintenance Expenses	\$59,391,324	(\$926,343)	(\$8,736,983)	(\$10,171)	(\$1,231,649)	\$525,542	(\$2,906,818)	(\$22,300,027)	\$37,091,297
	Check Totals	\$59,391,324	\$0	(\$8,736,983)	(\$10,171)	(\$1,231,649)	\$525,542	(\$2,906,819)	(\$22,300,027)	\$37,091,297
	Difference	\$0	\$0	\$0	\$0	\$0	\$0	\$1	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Adjustments to Gas Operating Expenses
Normalizing Adjustments to Other O&M Expenses (GAS)

	Test Year Ended June 30, 2017 (Per Books) (a)	Gas Business Enablement (GBE) (b)	Gas Cost Recovery (GCR) (c)	Other (d)	Total Normalizing Adjustments (e) = sum (b through d)	Test Year Ended June 30, 2017 (as Adjusted) (f) = (a) + (e)
1	Operating & Maintenance Expense					
2	Consultants	\$5,445,278	(\$17,625)	(\$89,998)	(\$1,455,205)	\$3,990,073
3	Contractors	\$9,674,362	(\$70,377)	(\$387,310)	(\$457,687)	\$9,216,675
4	Donations	\$35,010	\$0	\$266,717	\$266,717	\$301,727
5	Employee Expenses	\$886,144	(\$14,923)	(\$84,508)	(\$158,027)	\$728,118
6	Hardware	\$51,510	(\$4)	(\$1,764)	(\$1,768)	\$49,742
7	Software	\$1,553,894	(\$389)	(\$404,878)	(\$405,267)	\$1,148,627
8	Other	\$2,591,696	(\$101,725)	\$1,904,508	\$1,764,131	\$4,355,827
9	Third Party Rent Expense	\$951,926	\$0	(\$20,302)	(\$20,302)	\$931,623
10	Construction Reimbursement	(\$750)	\$0	\$750	\$0	\$0
11	Materials Outside Vendor	\$1,467,927	(\$31,811)	(\$84,561)	(\$116,372)	\$1,351,555
12	Materials from Inventory	\$908,201	(\$1,635)	(\$253,696)	(\$255,330)	\$652,870
13	Materials Stores Handling	\$134,560	\$0	(\$53,933)	(\$53,933)	\$80,627
14	Transportation	\$3,580,409	(\$123)	(\$279,597)	(\$300,063)	\$3,280,346
15	Paving	\$8,069	\$0	\$0	\$0	\$8,069
16	Misc. Other	\$2,275	\$0	\$0	\$0	\$2,275
17	Other Benefit	\$103,662	\$0	\$0	\$0	\$103,662
18	Total Operating & Maintenance Expen:	\$27,394,172	(\$258,832)	\$511,429	(\$1,192,356)	\$26,201,816
	Check Totals	\$27,394,172	(\$258,832)	\$511,429	(\$1,192,356)	\$26,201,816
	Difference	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Other Operation and Maintenance Expenses

	Rate Year Ending August 31, 2019			Adjustments to Reflect Conditions in Data Year			Data Year 1 Ending August 31, 2020		
	Total (a) = (c) + (e)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
Other Operation & Maintenance Expenses:									
1	Constuants	\$12,243,957	\$8,069,144	\$4,174,813	\$325,689	\$214,639	\$1,110,050	\$8,283,783	\$4,285,863
2	Contractors	\$23,096,314	\$13,452,907	\$9,643,407	\$614,362	\$357,847	\$2,565,515	\$13,810,754	\$9,899,922
3	Donations	\$922,433	\$606,736	\$315,697	\$24,337	\$16,139	\$8,398	\$622,875	\$324,095
4	Employee Expenses	\$2,150,552	\$1,388,723	\$761,829	\$57,205	\$36,940	\$20,265	\$1,425,663	\$782,094
5	Hardware	\$277,373	\$225,328	\$52,045	\$7,378	\$5,994	\$1,384	\$231,321	\$53,430
6	Software	\$3,664,008	\$2,462,700	\$1,201,808	\$97,463	\$65,405	\$31,968	\$2,527,694	\$1,233,777
7	Other	\$7,430,462	\$2,872,961	\$4,557,501	\$186,366	\$66,536	\$117,830	\$2,941,497	\$4,675,531
8	Third Party Rent Expense	\$4,334,111	\$3,359,354	\$974,758	\$115,287	\$89,359	\$25,929	\$3,448,713	\$1,000,686
9	Construction Reimbursement	\$4,720	\$4,720	\$0	\$126	\$126	\$0	\$4,845	\$0
10	Materials Outside Vendor	\$2,797,398	\$1,383,266	\$1,414,132	\$74,411	\$36,795	\$37,616	\$1,420,061	\$1,451,748
11	Materials from Inventory	\$2,172,797	\$1,489,698	\$683,098	\$57,796	\$39,626	\$18,170	\$1,529,324	\$701,269
12	Materials Stores Handling	\$359,577	\$275,217	\$84,360	\$9,365	\$7,321	\$2,244	\$282,558	\$86,604
13	Paving	\$6,892,931	\$3,460,706	\$3,432,226	\$183,352	\$91,297	\$91,297	\$3,522,760	\$3,522,760
14	Misc Other	\$9,119	\$676	\$8,443	\$243	\$18	\$225	\$694	\$8,668
15	Other Benefit	(\$14,489)	(\$16,764)	\$2,275	\$0	\$0	\$0	(\$16,764)	\$2,275
16		(\$117,009)	(\$225,471)	\$108,462	(\$3,113)	(\$5,998)	\$0	(\$231,468)	\$111,347
17									
18									
19									
20	TOTAL	66,224,256	\$38,809,401	\$27,414,855	\$1,750,666	\$1,024,891	\$725,775	\$39,834,292	\$28,140,630

Column Notes:

- (b) Page 2 of 9, Column (b)
- (c) Page 2 of 9, Column (c)
- (e) Inflation adjustments
- (f) Inflation adjustments

The Narragansett Electric Company d/b/a National Grid
 Operating Expenses by Component
 Other Operation and Maintenance Expenses

	Data Year 1 Ending August 31, 2020			Adjustments to Reflect Conditions in Data Year			Data Year 2 Ending August 31, 2021		
	Total (a) = (c) + (e)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (b) + (f)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
Other Operation & Maintenance Expenses:									
1	\$12,569,646	\$8,283,783	\$4,285,863	\$305,442	\$201,296	\$104,146	\$12,875,089	\$8,485,079	\$4,390,009
2	\$23,710,676	\$13,810,754	\$9,899,922	\$576,169	\$335,601	\$240,568	\$24,286,846	\$14,146,356	\$10,140,490
3	\$946,969	\$622,875	\$324,095	\$23,011	\$15,136	\$7,875	\$969,981	\$638,011	\$331,970
4	\$2,207,757	\$1,425,663	\$782,094	\$53,648	\$34,644	\$19,005	\$2,261,406	\$1,460,307	\$801,099
5	\$284,751	\$231,321	\$53,430	\$6,919	\$5,021	\$1,298	\$291,670	\$236,942	\$54,728
6	\$3,761,471	\$2,527,694	\$1,233,777	\$91,404	\$61,423	\$29,981	\$3,852,875	\$2,589,117	\$1,263,757
7	\$7,616,828	\$2,941,497	\$4,675,331	\$173,673	\$64,275	\$109,398	\$7,790,501	\$3,005,772	\$4,784,729
8	\$4,449,399	\$3,448,713	\$1,000,686	\$108,120	\$83,804	\$24,317	\$4,557,519	\$3,532,516	\$1,025,003
9	\$4,845	\$4,845	\$0	\$118	\$118	\$0	\$4,963	\$4,963	\$0
10	\$2,871,809	\$1,420,061	\$1,451,748	\$69,785	\$34,508	\$35,277	\$2,941,594	\$1,454,569	\$1,487,025
11	\$2,230,593	\$1,529,324	\$701,269	\$54,203	\$37,163	\$17,041	\$2,284,797	\$1,566,487	\$718,310
12	\$369,142	\$282,538	\$86,604	\$8,970	\$6,866	\$2,104	\$378,112	\$289,404	\$88,708
13	\$7,076,283	\$3,552,760	\$3,523,523	\$171,954	\$86,332	\$85,622	\$7,248,237	\$3,639,092	\$3,609,145
14	\$9,362	\$694	\$8,668	\$227	\$17	\$211	\$9,589	\$711	\$8,878
15	(\$14,489)	(\$16,764)	\$2,275	\$0	\$0	\$0	(\$14,489)	(\$16,764)	\$2,275
16	(\$120,121)	(\$231,468)	\$111,347	(\$2,919)	(\$5,025)	\$2,706	(\$123,040)	(\$237,093)	\$114,053
17									
18									
19									
20	\$67,974,922	\$39,834,292	\$28,140,630	\$1,640,727	\$961,178	\$679,549	\$69,615,649	\$40,795,470	\$28,820,179

Column Notes:
 (b) Page 3 of 9, Column (c)
 (c) Page 4 of 9, Column (c)
 (e) Inflation adjustments
 (f) Inflation adjustments

Schedule MAL-31 (REV-1)

Storm Cost Recovery

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery

	Test Year Ended June 30, 2017 (Per Books)			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)			
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$7,338,972	\$7,338,972	\$0	(\$27,840)	(\$27,840)	\$0	\$7,311,132	\$7,311,132	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$7,338,972</u>	<u>\$7,338,972</u>	<u>\$0</u>	<u>(\$27,840)</u>	<u>(\$27,840)</u>	<u>\$0</u>	<u>\$7,311,132</u>	<u>\$7,311,132</u>	<u>\$0</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11										
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17										
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	<u>\$7,338,972</u>	<u>\$7,338,972</u>	<u>\$0</u>	<u>(\$27,840)</u>	<u>(\$27,840)</u>	<u>\$0</u>	<u>\$7,311,132</u>	<u>\$7,311,132</u>	<u>\$0</u>
20	Sub Total	<u>\$7,338,972</u>	<u>\$7,338,972</u>	<u>\$0</u>	<u>(\$27,840)</u>	<u>(\$27,840)</u>	<u>\$0</u>	<u>\$7,311,132</u>	<u>\$7,311,132</u>	<u>\$0</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$7,338,972</u>	<u>\$7,338,972</u>	<u>\$0</u>	<u>(\$27,840)</u>	<u>(\$27,840)</u>	<u>\$0</u>	<u>\$7,311,132</u>	<u>\$7,311,132</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (e) Page 5, Line 2
- 4 Sum of Lines 1 through 3
- 20 Sum of Lines 8 through 19
- 26 Sum of Lines 23 through 25
- 28 Line 20 + Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery

	Test Year Ended June 30, 2017						Rate Year Ending August 31, 2019			
	(as Adjusted)			Proforma Adjustments			Total	Electric	Gas	
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
1	Provider Company:									
1	Narragansett Electric Company	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
20	Sub Total	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27										
28	TOTAL	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes:

- 1 (e) Page 5, Line 17
- 4 Sum of Lines 1 through 3
- 20 Sum of Lines 8 through 19
- 26 Sum of Lines 23 through 25
- 28 Line 20 + Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Electric	Electric	Electric	Electric	Electric
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	\$7,023,726	\$0	\$7,023,726	\$0	\$7,023,726
2	\$0	\$0	\$0	\$0	\$0
3	\$0	\$0	\$0	\$0	\$0
4	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>
5					
6					
Operation:					
8	\$0	\$0	\$0	\$0	\$0
9	\$0	\$0	\$0	\$0	\$0
10	\$0	\$0	\$0	\$0	\$0
11					
12	\$0	\$0	\$0	\$0	\$0
13	\$0	\$0	\$0	\$0	\$0
14	\$0	\$0	\$0	\$0	\$0
15	\$0	\$0	\$0	\$0	\$0
16	\$0	\$0	\$0	\$0	\$0
17					
18	\$0	\$0	\$0	\$0	\$0
19	\$7,023,726	\$0	\$7,023,726	\$0	\$7,023,726
20	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>
21					
Maintenance:					
23	\$0	\$0	\$0	\$0	\$0
24	\$0	\$0	\$0	\$0	\$0
25	\$0	\$0	\$0	\$0	\$0
26	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>	<u>\$0</u>	<u>\$7,023,726</u>
	\$0	\$0	\$0	\$0	\$0

Line Notes:

- 4 Sum of Lines 1 through 3
- 20 Sum of Lines 8 through 19
- 26 Sum of Lines 23 through 25
- 28 Line 20 + Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0
11					
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0
17					
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0
27					
28	TOTAL	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0

Line Notes:

- 4 Sum of Lines 1 through 3
- 20 Sum of Lines 8 through 19
- 26 Sum of Lines 23 through 25
- 28 Line 20 + Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery

		Explanation of Adjustments	Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1	Page 1	Adjustments: (to normalize Historic Year)				
2		Out of period adjustment	Narragansett Electric Company	(\$27,840)	(\$27,840)	\$0
3			National Grid USA Service Company	\$0	\$0	\$0
4			All Other Companies	\$0	\$0	\$0
5				\$0	\$0	\$0
6				\$0	\$0	\$0
7				\$0	\$0	\$0
8				\$0	\$0	\$0
9		TOTAL		<u>(\$27,840)</u>	<u>(\$27,840)</u>	<u>\$0</u>
10						
11						
12						
13						
14						
15	Page 2	Adjustments: (to reflect conditions in the Rate Year)				
16						
17		Adjust the non-deferred storm to the 5 year average	Narragansett Electric Company	(\$287,406)	(\$287,406)	\$0
18			National Grid USA Service Company	\$0	\$0	\$0
19			All Other Companies	\$0	\$0	\$0
20				\$0	\$0	\$0
21				\$0	\$0	\$0
22				\$0	\$0	\$0
23				\$0	\$0	\$0
24		TOTAL		<u>(\$287,406)</u>	<u>(\$287,406)</u>	<u>\$0</u>

Line Notes

- 9 Sum of Lines 2 through 8
- 17 (b) Page 6, Line 13, Column (a)
- 24 Sum of Lines 17 through 24

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Storm Cost Recovery
For Storms With O&M Costs Below \$1.1 Million Storm Fund Threshold¹

	12 Months Ended (a)	O&M Expense			Total (e) = (b) + (c) + (d)
		Direct (b)	ServCo (c)	Other Affiliates (d)	
1	Jun-2013	\$1,756,355	\$986,108	\$247,471	\$2,989,934
2					
3	Jun-2014	\$3,346,398	\$274,946	\$150,228	\$3,771,571
4					
5	Jun-2015	\$1,251,448	\$165,254	\$42,977	\$1,459,679
6					
7	Jun-2016	\$3,827,050	\$350,010	\$89,373	\$4,266,433
8					
9	Jul-2017	\$2,890,756	\$415,055	\$175,350	\$3,481,162
10					
11	Total	\$13,072,007	\$2,191,373	\$705,400	\$15,968,779
12					
13				5 year Average	\$3,193,756
14					
15				Test Year Total	\$3,481,162
16					
17				Proforma Adjustment	(\$287,406)

Line Notes:

- 1-9 Per Company's Books
- 11 Sum of Lines 1 through 9
- 13 Line 11, Column (e) / 5
- 15 Historic Test Year Non-Deferred Storm O&M Expense
- 17 Line 13 - Line 15

Note¹ - Per Joint Proposal and Settlement Agreement filed with the RIPUC on September 25, 2017, Docket No. 4686

Schedule MAL-32 (REV-1)
Gas Cost Recovery Related
Operating and Maintenance Expenses

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
GCR-Related Operation & Maintenance

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017			
	(Per Books)						(as Adjusted)			
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11										
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17										
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279
20	Sub Total	\$0	\$0	\$0	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27										
28	TOTAL	\$0	\$0	\$0	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 4 Sum of Line 1 through Line 3
- 20 Sum of Line 8 through Line 19
- 26 Sum of Line 23 through Line 25
- 28 Sum of Line 20 Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
GCR-Related Operation & Maintenance

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total	Electric	Gas	Total	Electric	Gas	
	Total	Electric	Gas							Total
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$1,308,279	\$0	\$1,308,279	(\$1,308,279)	\$0	(\$1,308,279)	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$1,308,279</u>	<u>\$0</u>	<u>\$1,308,279</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	<u>\$1,308,279</u>	<u>\$0</u>	<u>\$1,308,279</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
20	Sub Total	<u>\$1,308,279</u>	<u>\$0</u>	<u>\$1,308,279</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$1,308,279</u>	<u>\$0</u>	<u>\$1,308,279</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>(\$1,308,279)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes:

- 4 Sum of Line 1 through Line 3
- 20 Sum of Line 8 through Line 19
- 26 Sum of Line 23 through Line 25
- 28 Sum of Line 20 Line 28

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
GCR-Related Operation & Maintenance

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditio Electric (b)	Data Year 1 Ending August Electric (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year Electric (d)	Data Year 2 Ending August 31, 2021 Electric (e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
GCR-Related Operation & Maintenance

	Rate Year Ending August 31, 2019	nts to Reflect Conditio ns in Gas	Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year Gas	Data Year 2 Ending August 31, 2021 Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
GCR-Related Operation & Maintenance

Explanation of Adjustments:		Provider Company	Source Workpaper	Total (a)	Electric (b)	Gas (c)
1	HTY Adjustment	Page 1	Adjustments: (to normalize Historic Year)			
2	Consultants	Narragansett Electric Company	Page 6	\$17,625	\$0	\$17,625
3	Contractors	Narragansett Electric Company	Page 6	\$70,377	\$0	\$70,377
4	Employee Expenses	Narragansett Electric Company	Page 6	\$14,923	\$0	\$14,923
5	Hardware	Narragansett Electric Company	Page 6	\$4	\$0	\$4
6	Materials From Inventory	Narragansett Electric Company	Page 6	\$1,635	\$0	\$1,635
7	Materials Outside Vendor	Narragansett Electric Company	Page 6	\$31,811	\$0	\$31,811
8	Other Expenses	Narragansett Electric Company	Page 6	\$101,725	\$0	\$101,725
9	Rents	Narragansett Electric Company	Page 6	\$0	\$0	\$0
10	Software	Narragansett Electric Company	Page 6	\$389	\$0	\$389
11	Transportation	Narragansett Electric Company	Page 6	\$20,343	\$0	\$20,343
12	Labor	Narragansett Electric Company	Page 6	\$829,823	\$0	\$829,823
13	Labor Adjustment for GCR	Narragansett Electric Company	Page 6	\$207,639	\$0	\$207,639
14	Non Labor adjustment for GCR	Narragansett Electric Company	Page 6	\$11,984	\$0	\$11,984
15		Total		<u>\$1,308,279</u>	<u>\$0</u>	<u>\$1,308,279</u>
16						
17	Page 2		Adjustments: (to reflect conditions in the Rate Year 2019)			
18			Narragansett Electric Company			
19			General Inflation%			
20		4.63%	Narragansett Electric Company	\$0	\$0	\$0
21			National Grid USA Service Company	\$0	\$0	\$0
22			All Other Companies	\$0	\$0	\$0
23		Adjustment to remove GCR Costs	Narragansett Electric Company	(\$1,308,279)	\$0	(\$1,308,279)
24		TOTAL		<u>(\$1,308,279)</u>	<u>\$0</u>	<u>(\$1,308,279)</u>
25						
26	Page 3 & 4		Adjustments: (to reflect conditions in the Rate Year 2020)			
27			General inflation %			
28		2.66%	Narragansett Electric Company	\$0	\$0	\$0
29			National Grid USA Service Co.	\$0	\$0	\$0
30			National Grid USA Service Co.	\$0	\$0	\$0
31		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
32						
33	Page 3 & 4		Adjustments: (to reflect conditions in the Rate Year 2021)			
34			General inflation %			
35		2.43%	Production Expenses	\$0	\$0	\$0
36			National Grid USA Service Co.	\$0	\$0	\$0
37			National Grid USA Service Co.	\$0	\$0	\$0
38		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID

RIPUC Docket No. 4770

Schedule MAL-32 (REV-1)

Page 6 of 6

The Narragansett Electric Company d/b/a National Grid
 Operating Expenses by Component
 GCR-Related Operation & Maintenance

	(a)	(b)	(a) x (b)	(a) + (c)
	Test Year	Increase %	(c) Proforma	(d) Rate Year
1 Labor	\$829,823	25.02%	207,639	\$1,037,463
2				
3				
4 Consultants	\$17,625	4.63%	\$816	\$18,441
5 Contractors	\$70,377	4.63%	\$3,258	\$73,636
6 Employee Expenses	\$14,923	4.63%	\$691	\$15,614
7 Hardware	\$4	4.63%	\$0	\$4
8 Materials From Inventory	\$1,635	4.63%	\$76	\$1,710
9 Materials Outside Vendor	\$31,811	4.63%	\$1,473	\$33,284
10 Other Expenses	\$101,725	4.63%	\$4,710	\$106,435
11 Rents	\$0	0.00%	\$0	\$0
12 Software	\$389	4.63%	\$18	\$407
13 Transportation	\$20,343	4.63%	\$942	\$21,285
14 Total O&M Expense	<u>\$1,088,655</u>		<u>\$219,623</u>	<u>\$1,308,279</u>

Line Notes

1(a)-13(a) Per Company Books 1(b)-13(b)

Schedule MAL-3 (REV-1)Page 8

14 Sum of Lines 1-13

Schedule MAL-33 (REV-1)

New England Power Company

Integrated Facilities Agreement Credit

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
NEP IFA Credit

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017		
	(Per Books)						(as Adjusted)		
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
Provider Company:									
1 Narragansett Electric Company	(\$102,849,207)	(\$102,849,207)	\$0	\$102,849,207	\$102,849,207	\$0	\$0	\$0	\$0
2 National Grid USA Service Company	(\$35,603,153)	(\$35,603,153)	\$0	\$35,603,153	\$35,603,153	\$0	\$0	\$0	\$0
3 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	(\$138,452,360)	(\$138,452,360)	\$0	\$138,452,360	\$138,452,360	\$0	\$0	\$0	\$0
5									
6									
7 Operation:									
8 Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, Terminating 11 and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Transmission Expenses	(\$138,452,360)	(\$138,452,360)	\$0	\$138,452,360	\$138,452,360	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15 Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 Customer Service and 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 Sub Total	(\$138,452,360)	(\$138,452,360)	\$0	\$138,452,360	\$138,452,360	\$0	\$0	\$0	\$0
21									
22 Maintenance:									
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27									
28 TOTAL	(\$138,452,360)	(\$138,452,360)	\$0	\$138,452,360	\$138,452,360	\$0	\$0	\$0	\$0
	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
NEP IFA Credit

		Test Year Ended June 30, 2017 (as Adjusted)			Proforma Adjustments			Rate Year Ending August 31, 2019		
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11										
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17										
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27										
28	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
NEP IFA Credit

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (b)	Data Year 1 Ending August 31, 2020 <u>Electric</u> (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storang, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
NEP IFA Credit

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0
11					
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0
17					
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0
27					
28	TOTAL	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
NEP IFA Credit

		<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
<u>Explanation of Adjustments:</u>				(a) = (b) + (c)	(b)	(c)
1	BU HTY Adjustment Page 1	Adjustments: (to normalize Historic Year)				
2			Remove IFA revenue from Narragansett Electric Company	\$102,849,207	\$102,849,207	\$0
3			Remove IFA revenue from National Grid USA Service Company	\$35,603,153	\$35,603,153	\$0
4				\$0	\$0	\$0
5				\$0	\$0	\$0
6				\$0	\$0	\$0
7				\$0	\$0	\$0
8						
9		TOTAL		<u>\$0</u>	<u>\$138,452,360</u>	<u>\$0</u>
10						
11						
12						
13	Page 2	Adjustments: (to reflect conditions in the Rate Year)				
14			General inflation %			
15			4.6300%			
16			Narragansett Electric Company	\$0	\$0	\$0
17			National Grid USA Service Co.	\$0	\$0	\$0
18	Forecast specific initiatives - amount different from general inflation					
19						
20		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Schedule MAL-34 (REV-1)

Wheeling

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Wheeling

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017		
	(Per Books)						(as Adjusted)		
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
Provider Company:									
1 Narragansett Electric Company	\$132,370,189	\$132,370,189	\$0	(\$132,370,189)	(\$132,370,189)	\$0	\$0	\$0	\$0
2 National Grid USA Service Company	\$47,420,820	\$47,420,820	\$0	(\$47,420,820)	(\$47,420,820)	\$0	\$0	\$0	\$0
3 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$179,791,010</u>	<u>\$179,791,010</u>	<u>\$0</u>	<u>(\$179,791,010)</u>	<u>(\$179,791,010)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5									
6									
7 Operation:									
8 Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, Terminaling 11 and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Transmission Expenses	\$179,791,010	\$179,791,010	\$0	(\$179,791,010)	(\$179,791,010)	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15 Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 Customer Service and 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 Sub Total	<u>\$179,791,010</u>	<u>\$179,791,010</u>	<u>\$0</u>	<u>(\$179,791,010)</u>	<u>(\$179,791,010)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21									
22 Maintenance:									
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27									
28 TOTAL	<u>\$179,791,010</u>	<u>\$179,791,010</u>	<u>\$0</u>	<u>(\$179,791,010)</u>	<u>(\$179,791,010)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Wheeling

		Test Year Ended June 30, 2017 (as Adjusted)			Proforma Adjustments			Rate Year Ending August 31, 2019		
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5										
6										
Operation:										
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11										
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17										
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21										
Maintenance:										
22	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24										
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27										
28	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Wheeling

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (b)	Data Year 1 Ending August 31, 2020 <u>Electric</u> (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storang, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0
11					
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0
17					
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Wheeling

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0
27					
28	TOTAL	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Wheeling

		<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
<u>Explanation of Adjustments:</u>				(a)	(b)	(c)
1	BU HTY Adjustment Page 1	Adjustments: (to normalize Historic Year)				
2		Narragansett Electric Company		(\$132,370,189)	(\$132,370,189)	\$0
3		National Grid USA Service Company		(\$47,420,820)	(\$47,420,820)	\$0
4				\$0	\$0	\$0
5				\$0	\$0	\$0
6				\$0	\$0	\$0
7				\$0	\$0	\$0
8						
9		TOTAL		<u>\$0</u>	<u>(\$179,791,010)</u>	<u>\$0</u>
10						
11						
12						
13	Page 2	Adjustments: (to reflect conditions in the Rate Year)				
14						
15		General inflation %				
16		4.6300%	Narragansett Electric Company	\$0	\$0	\$0
17			National Grid USA Service Co.	\$0	\$0	\$0
18	Forecast specific initiatives - amount different from general inflation					
19						
20		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Schedule MAL-35 (REV-1)

Sustainability Hub

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

	Test Year Ended June 30, 2017 (Per Books)			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)			
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total	Electric	Gas	Total	Electric	Gas	
	Total	Electric	Gas							Total
(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)		
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2	National Grid USA Service Company	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	\$101,186
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4	Total	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	\$101,186
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
16	Customer Service and	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
20	Sub Total	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
27										
28	TOTAL	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	\$101,186
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 2(e) Page 6 of 6 Row 21 Column (b)
- 2(f) Page 6 of 6 Row 21 Column (c)
- 16(e) Page 6 of 6 Row 21 Column (b)
- 16(f) Page 6 of 6 Row 21 Column (c)

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Electric	Electric	Electric	Electric	Electric
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$186,193	(\$32,395)	\$153,798	\$153,798
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	\$186,193	(\$32,395)	\$153,798	\$153,798
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$186,193	(\$32,395)	\$153,798	\$153,798
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	\$186,193	(\$32,395)	\$153,798	\$153,798
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0
27					
28	TOTAL	\$186,193	(\$32,395)	\$153,798	\$153,798
		\$0	\$0	\$0	\$0

Line Notes

2(b) Page 5 of 6 Row 15 Column (b)
16(b) Page 5 of 6 Row 15 Column (b)

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$101,186	(\$17,605)	\$83,581	\$83,581
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$101,186</u>	<u>(\$17,605)</u>	<u>\$83,581</u>	<u>\$83,581</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Stora, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$101,186	(\$17,605)	\$83,581	\$83,581
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$101,186</u>	<u>(\$17,605)</u>	<u>\$83,581</u>	<u>\$83,581</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$101,186</u>	<u>(\$17,605)</u>	<u>\$83,581</u>	<u>\$83,581</u>
		\$0	\$0	\$0	\$0

Line Notes

2(b) Page 5 of 6 Row 15 Column (c)
16(b) Page 5 of 6 Row 15 Column (c)

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

				Provider Company	Source Workpaper	Total	Electric	Gas
						(a) = (b) + (c)	(b)	(c)
Explanation of Adjustments:								
1	BU	HTY Adjustment Page 1	Known and Measurable					
2								
3		Page 2	Adjustments: (to reflect conditions in the Rate Year)					
4								
5			General inflation %					
6			4.6300%	Narragansett Electric Company		\$0	\$0	\$0
7				National Grid USA Service Co.		\$0	\$0	\$0
8		Forecast specific initiatives - amount different from general inflation						
9				National Grid USA Service Company		\$287,379	\$186,193	\$101,186
10			TOTAL			<u>\$287,379</u>	<u>\$186,193</u>	<u>\$101,186</u>
11								
12		Page 3	Adjustments: (to reflect conditions in the Rate Year 2)					
13		Forecast specific initiatives - amount different from general inflation						
14				National Grid USA Service Company		(\$50,000)	(\$32,395)	(\$17,605)
15			TOTAL			<u>(\$50,000)</u>	<u>(\$32,395)</u>	<u>(\$17,605)</u>
16		Page 3	Adjustments: (to reflect conditions in the Rate Year 3)					
17		Forecast specific initiatives - amount different from general inflation						
18				National Grid USA Service Company		\$0	\$0	\$0
19			TOTAL			<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Line Notes

- 8(b) Page 6 of 6 Row 21 Column (b)
- 8(c) Page 6 of 6 Row 21 Column (c)
- 14(b) Page 6 of 6 Row 24 Column (b) less 8(b)
- 14(c) Page 6 of 6 Row 24 Column (c) less 8(c)

The Narragansett Electric Company d/b/a National Grid
New Initiative
Energy Innovation Hub

Rhode Island Energy Innovation Hub Proposed Budget

	Total (a)	Electric (b)	Gas (c)
Customer allocation rate		64.79%	35.21%
50% of the Total Cost is funded by the Energy Efficiency Plan	50%		
1 Rhode Island Energy Innovation Hub Operational Costs, Per Year			
2 Rent per year	\$18,000	\$11,662	\$6,338
3 Experience Design (design agency) support for programming updates	\$10,000	\$6,479	\$3,521
4 Maintenance	\$750	\$486	\$264
5 Security	\$2,304	\$1,493	\$811
6 Fire Protection	\$0	\$0	\$0
7 Cleaning	\$1,500	\$972	\$528
8 WiFi - installation and monthly fee	\$2,500	\$1,620	\$880
9 Interns	\$64,800	\$41,984	\$22,816
10 Manager	\$75,000	\$48,593	\$26,408
11 Marketing	\$7,000	\$4,535	\$2,465
12 Equipment (office supplies)	\$600	\$389	\$211
13 Travel	\$0	\$0	\$0
14 Miscellaneous	\$1,250	\$810	\$440
15 Events (bus rental)	\$3,675	\$2,381	\$1,294
16 TOTAL	<u>\$187,379</u>	<u>\$121,403</u>	<u>\$65,976</u>
17			
18			
19 Rhode Island Energy Innovation Hub Education and Communication Costs			
20 Year One	<u>\$100,000</u>	<u>\$64,790</u>	<u>\$35,210</u>
21 Total Rate Year 1 Cost	<u>\$287,379</u>	<u>\$186,193</u>	<u>\$101,186</u>
22			
23 Year Two	<u>\$50,000</u>	<u>\$32,395</u>	<u>\$17,605</u>
24 Total Rate Year 2 Cost	<u>\$237,379</u>	<u>\$153,798</u>	<u>\$83,581</u>
25			
26 Year Three	<u>\$50,000</u>	<u>\$32,395</u>	<u>\$17,605</u>
27 Total Rate Year 2 Cost	<u>\$237,379</u>	<u>\$153,798</u>	<u>\$83,581</u>

Line Notes

- 21(a) Sum of 16(a) plus 20(a)
- 21(b) Sum of 16(b) plus 20(b)
- 21(c) Sum of 16(c) plus 20(c)
- 24(a) Sum of 16(a) plus 23(a)
- 24(b) Sum of 16(b) plus 23(b)
- 24(c) Sum of 16(c) plus 23(c)
- 26(a) Sum of 16(a) plus 26(a)
- 26(b) Sum of 16(b) plus 26(b)
- 26(c) Sum of 16(c) plus 26(c)

Schedule MAL-36 (REV-1)

Gas Business Enablement

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement

		Test Year Ended June 30, 2017 (Per Books)			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)		
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)
1	Provider Company:									
2	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19										
20	Maintenance:									
21	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25										
26	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28										

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)							
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$4,457,402	\$ 557,126	\$ 3,900,276	\$4,457,402	\$557,126	\$3,900,276
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$4,457,402	\$557,126	\$3,900,276	\$4,457,402	\$557,126	\$3,900,276
5										
6										
Operation:										
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$4,457,402	\$557,126	\$3,900,276	\$4,457,402	\$557,126	\$3,900,276
20	Sub Total	\$0	\$0	\$0	\$4,457,402	\$557,126	\$3,900,276	\$4,457,402	\$557,126	\$3,900,276
21										
Maintenance:										
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27										
28	TOTAL	\$0	\$0	\$0	\$4,457,402	\$557,126	\$3,900,276	\$4,457,402	\$557,126	\$3,900,276
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 4 Page 5, Line 15
- 19 Line 4

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (b)	Data Year 1 Ending August 31, 2020 <u>Electric</u> (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$557,126	\$18,348	\$575,474	\$ (26,580)	\$548,894
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$557,126</u>	<u>\$18,348</u>	<u>\$575,474</u>	<u>(\$26,580)</u>	<u>\$548,894</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.					
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$557,126	\$18,348	\$575,474	(\$26,580)	\$548,894
20	Sub Total	<u>\$557,126</u>	<u>\$18,348</u>	<u>\$575,474</u>	<u>(\$26,580)</u>	<u>\$548,894</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27						
28	TOTAL	<u>\$557,126</u>	<u>\$18,348</u>	<u>\$575,474</u>	<u>(\$26,580)</u>	<u>\$548,894</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Line 28(b)
- (d) Page 5, Line 38(b)

Line Notes

- 19 Line 4

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021	
	Gas	Gas	Gas	Gas	Gas	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$3,900,276	\$532,044	\$4,432,321	\$202,301	\$4,634,622
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	\$3,900,276	\$532,044	\$4,432,321	\$202,301	\$4,634,622
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.					
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$3,900,276	\$532,044	\$4,432,321	\$202,301	\$4,634,622
20	Sub Total	\$3,900,276	\$532,044	\$4,432,321	\$202,301	\$4,634,622
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0
27						
28	TOTAL	\$3,900,276	\$532,044	\$4,432,321	\$202,301	\$4,634,622
		\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (i)
- (b) Page 5, Line 28(c)
- (d) Page 5, Line 38(c)

Line Notes

- 19 Line 4

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement

				Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)
Explanation of Adjustments:								
1	BU	HTY Adjustment	Page 1	Known and Measurable				
2				Gas Business Enablement	National Grid USA Service Comp	\$0	\$0	\$0
3	99				Workpaper 1	\$0	\$0	\$0
4					Workpaper 1	\$0	\$0	\$0
5						\$0	\$0	\$0
6						\$0	\$0	\$0
7						\$0	\$0	\$0
8						\$0	\$0	\$0
9						\$0	\$0	\$0
10						\$0	\$0	\$0
11						\$0	\$0	\$0
12						\$0	\$0	\$0
13						\$0	\$0	\$0
14			Page 2	Adjustments: (to reflect conditions in the Rate Year 2019)				
15				Forecast specific initiatives - amount different from general inflation		\$4,457,402	557,126	3,900,276
16								
17								
18					Narragansett Electric Company	\$0	-	\$0
19					National Grid USA Service Co.	\$0	\$0	\$0
20						\$0	\$0	\$0
21						\$0	\$0	\$0
22				TOTAL		\$0	\$	\$
23								
24			Page 2	Adjustments: (to reflect conditions in the Rate Year 2020)				
25				Forecast specific initiatives - amount different from general inflation		\$5,007,794	575,474	4,432,321
26								
27								
28					Narragansett Electric Company	\$550,392	18,348	532,044
29					National Grid USA Service Co.	\$0	\$0	\$0
30						\$0	\$0	\$0
31						\$0	\$0	\$0
32				TOTAL		\$550,392	\$ 18,348	\$ 532,044
33								
34			Page 2	Adjustments: (to reflect conditions in the Rate Year 2021)				
35				Forecast specific initiatives - amount different from general inflation		\$5,183,516	548,894	4,634,622
36								
37								
38					Narragansett Electric Company	\$175,722	(26,580)	202,301
39					National Grid USA Service Co.	\$0	\$0	\$0
40						\$0	\$0	\$0
41						\$0	\$0	\$0
42				TOTAL		\$175,722	\$ (26,580)	\$ 202,301

Line Notes

- 15(b)
- 15(c) Page 6, Line 17(g)
- 26(b) Page 11, Line 16(i)
- 26(c) Page 6, Line 17(h)
- 28(b) 26(b) - 15(b)
- 28(c) 26(c)-15(c)
- 36(b) Page 11, Line 16(j)
- 36(c) Page 6, Line 17(i)
- 38(b) 36(b) - 26(b)
- 38(c) 36(c) - 26(c)

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Gas

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
	HTY	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	NECO Total		
1	Return on investment	\$0	\$25,098	\$615,726	\$797,287	\$1,032,113	\$991,152	\$855,032	\$718,330	\$586,263	\$455,576	\$194,301	\$90,583	\$41,792	(\$7,416)	\$11	\$0	\$6,720,743		
2	Depreciation	\$0	\$34,666	\$1,018,268	\$1,438,956	\$1,970,023	\$2,127,274	\$2,128,435	\$2,128,435	\$2,128,435	\$2,128,435	\$2,093,969	\$1,110,167	\$689,478	\$158,411	\$1,160	\$0	\$21,284,346		
3	Operating expense	\$1,176,955	\$1,284,801	\$3,943,863	\$2,282,372	\$1,128,389	\$273,095	\$76,690	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,166,165		
4	Run the Business (RTB)	\$0	\$106,478	\$523,625	\$1,113,916	\$1,350,664	\$1,302,702	\$1,302,702	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,723,087		
5	Savings offset	\$0	\$0	(\$10,562)	(\$122,691)	(\$718,352)	(\$856,877)	(\$892,613)	(\$892,613)	(\$892,613)	(\$892,613)	(\$892,613)	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,151,527)	
6	Total Revenue Requirement	\$1,176,955	\$1,449,843	\$6,090,920	\$5,333,840	\$4,762,858	\$3,857,345	\$3,470,245	\$1,954,152	\$1,822,085	\$1,691,397	\$2,288,270	\$1,200,749	\$731,270	\$150,995	\$1,171	\$0	\$37,742,813		

Opex Straight Lined 10 yrs

	RYE Aug 19	RYE Aug 20	RYE Aug 21
Return	\$800,464	\$902,121	\$1,016,128
Amortization	\$1,360,899	\$1,657,897	\$2,038,924
Incremental Opex (shaped vs SL)	\$1,016,617	\$1,016,617	\$1,016,617
Run the Business (RTB)	\$779,580	\$1,226,561	\$1,330,680
Savings offset	(\$7,283)	(\$370,875)	(\$767,720)
Total RR	\$3,900,276	\$4,452,321	\$4,634,622
Capital - related	\$2,161,363	\$2,560,018	\$3,085,052
Operating exp net of savings	\$1,738,914	\$1,872,303	\$1,579,570
Total Revenue Requirement	\$3,900,276	\$4,432,321	\$4,634,622

17 Line 12(g) + Line 13(g) + Line 14(g) + Line 15(g) + Line 16(g)

- Line Notes
1 Pages 7 through 10, Column (a)
2 Pages 7 through 10, Column (b)
3 Total project spend
14 Line 3r divided by 10 years
15 Line 4(c)/12 x 7 + Line 4(d)/12 x 5
Column Note
(s) Line 3(t) divided by Line 2(t)

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket No. 4770
Schedule MAL-36 (REV-1)
Page 7 of 16

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

RI Elec Return	RI Elec Depr	RI Elec Opex		RI Elec RTB	(d)
		TOTAL GBE			
Date	NECO Return	NECO Depr	NECO Opex	Totals	
1	11/01/17	\$0	\$0	\$0	\$0
2	12/01/17	\$0	\$0	\$0	\$0
3	01/01/18	\$0	\$0	\$0	\$0
4	02/01/18	\$0	\$0	\$0	\$0
5	03/01/18	\$25,098	\$34,466	\$0	\$59,564
6	04/01/18	\$20,968	\$34,466	\$0	\$55,434
7	05/01/18	\$35,899	\$55,129	\$0	\$91,027
8	06/01/18	\$33,303	\$55,129	\$0	\$88,432
9	07/01/18	\$33,111	\$55,129	\$0	\$88,239
10	08/01/18	\$33,097	\$55,364	\$0	\$88,461
11	09/01/18	\$32,877	\$55,364	\$0	\$88,241
12	10/01/18	\$78,132	\$117,801	\$0	\$195,932
13	11/01/18	\$70,432	\$117,801	\$0	\$188,232
14	12/01/18	\$69,998	\$117,801	\$0	\$187,799
15	01/01/19	\$69,552	\$117,801	\$0	\$187,352
16	02/01/19	\$69,093	\$117,801	\$0	\$186,894
17	03/01/19	\$69,266	\$118,685	\$0	\$187,951
18	04/01/19	\$68,676	\$118,685	\$0	\$187,361
19	05/01/19	\$68,176	\$118,685	\$0	\$186,861
20	06/01/19	\$68,736	\$120,159	\$0	\$188,895
21	07/01/19	\$68,035	\$120,159	\$0	\$188,193
22	08/01/19	\$67,492	\$120,159	\$0	\$187,651
23	09/01/19	\$66,937	\$120,159	\$0	\$187,095
24	10/01/19	\$66,368	\$120,159	\$0	\$186,527
25	11/01/19	\$65,787	\$120,159	\$0	\$185,946
26	12/01/19	\$65,193	\$120,159	\$0	\$185,352
27	01/01/20	\$64,586	\$120,159	\$0	\$184,745
28	02/01/20	\$63,966	\$120,159	\$0	\$184,125
29	03/01/20	\$63,334	\$120,159	\$0	\$183,492
30	04/01/20	\$90,877	\$157,795	\$0	\$248,672
31	05/01/20	\$90,610	\$164,748	\$0	\$255,358
32	06/01/20	\$88,985	\$164,748	\$0	\$253,733
33	07/01/20	\$88,160	\$164,748	\$0	\$252,908
34	08/01/20	\$87,317	\$164,748	\$0	\$252,065
35	09/01/20	\$86,457	\$164,748	\$0	\$251,205
36	10/01/20	\$85,578	\$164,748	\$0	\$250,326
37	11/01/20	\$84,682	\$164,748	\$0	\$249,430
38	12/01/20	\$83,769	\$164,748	\$0	\$248,517
39	01/01/21	\$82,837	\$164,748	\$0	\$247,585
40	02/01/21	\$81,888	\$164,748	\$0	\$246,636
41	03/01/21	\$80,954	\$164,748	\$0	\$245,702
42	04/01/21	\$88,998	\$177,053	\$0	\$266,051
43	05/01/21	\$86,604	\$177,053	\$0	\$263,657
44	06/01/21	\$85,649	\$177,053	\$0	\$262,703
45	07/01/21	\$84,770	\$177,158	\$0	\$261,928
46	8/1/2021	\$83,943	\$177,370	\$0	\$261,312
47	09/01/21	\$82,923	\$177,370	\$0	\$260,293
48	10/01/21	\$81,976	\$177,370	\$0	\$259,345
49	11/01/21	\$81,078	\$177,370	\$0	\$258,448
50	12/01/21	\$80,174	\$177,370	\$0	\$257,544
51	01/01/22	\$79,264	\$177,370	\$0	\$256,634
52	02/01/22	\$78,347	\$177,370	\$0	\$255,717
53	03/01/22	\$77,425	\$177,370	\$0	\$254,794

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)		(c)	(d)
		TOTAL GBE			
Date	NECO Return	NECO Depr	NECO Opex	Totals	
54	04/01/22	\$76,497	\$177,370	\$0	\$253,866
55	05/01/22	\$75,562	\$177,370	\$0	\$252,932
56	06/01/22	\$74,623	\$177,370	\$0	\$251,992
57	07/01/22	\$73,678	\$177,370	\$0	\$251,048
58	08/01/22	\$72,727	\$177,370	\$0	\$250,097
59	09/01/22	\$71,770	\$177,370	\$0	\$249,140
60	10/01/22	\$70,807	\$177,370	\$0	\$248,177
61	11/01/22	\$69,838	\$177,370	\$0	\$247,207
62	12/01/22	\$68,862	\$177,370	\$0	\$246,231
63	01/01/23	\$67,880	\$177,370	\$0	\$245,249
64	02/01/23	\$66,892	\$177,370	\$0	\$244,261
65	03/01/23	\$65,897	\$177,370	\$0	\$243,267
66	04/01/23	\$64,934	\$177,370	\$0	\$242,303
67	05/01/23	\$64,010	\$177,370	\$0	\$241,380
68	06/01/23	\$63,092	\$177,370	\$0	\$240,462
69	07/01/23	\$62,173	\$177,370	\$0	\$239,542
70	08/01/23	\$61,252	\$177,370	\$0	\$238,622
71	09/01/23	\$60,330	\$177,370	\$0	\$237,699
72	10/01/23	\$59,406	\$177,370	\$0	\$236,776
73	11/01/23	\$58,482	\$177,370	\$0	\$235,851
74	12/01/23	\$57,555	\$177,370	\$0	\$234,925
75	01/01/24	\$56,628	\$177,370	\$0	\$233,997
76	02/01/24	\$55,699	\$177,370	\$0	\$233,069
77	3/1/2024	\$54,769	\$177,370	\$0	\$232,138
78	04/01/24	\$53,849	\$177,370	\$0	\$231,219
79	05/01/24	\$52,941	\$177,370	\$0	\$230,310
80	06/01/24	\$52,032	\$177,370	\$0	\$229,402
81	07/01/24	\$51,124	\$177,370	\$0	\$228,493
82	08/01/24	\$50,216	\$177,370	\$0	\$227,586
83	09/01/24	\$49,309	\$177,370	\$0	\$226,678
84	10/01/24	\$48,401	\$177,370	\$0	\$225,771
85	11/01/24	\$47,494	\$177,370	\$0	\$224,863
86	12/01/24	\$46,586	\$177,370	\$0	\$223,956
87	01/01/25	\$45,679	\$177,370	\$0	\$223,048
88	02/01/25	\$44,771	\$177,370	\$0	\$222,141
89	03/01/25	\$43,863	\$177,370	\$0	\$221,233
90	04/01/25	\$42,956	\$177,370	\$0	\$220,326
91	05/01/25	\$42,048	\$177,370	\$0	\$219,418
92	06/01/25	\$41,141	\$177,370	\$0	\$218,510
93	07/01/25	\$40,233	\$177,370	\$0	\$217,603
94	08/01/25	\$39,326	\$177,370	\$0	\$216,695
95	09/01/25	\$38,418	\$177,370	\$0	\$215,788
96	10/01/25	\$37,511	\$177,370	\$0	\$214,880
97	11/01/25	\$36,603	\$177,370	\$0	\$213,973
98	12/01/25	\$35,696	\$177,370	\$0	\$213,065
99	01/01/26	\$34,788	\$177,370	\$0	\$212,158
100	02/01/26	\$33,881	\$177,370	\$0	\$211,250
101	03/01/26	\$32,973	\$177,370	\$0	\$210,343
102	04/01/26	\$32,066	\$177,370	\$0	\$209,435
103	05/01/26	\$31,158	\$177,370	\$0	\$208,528
104	06/01/26	\$30,251	\$177,370	\$0	\$207,620
105	07/01/26	\$29,343	\$177,370	\$0	\$206,713
106	08/01/26	\$28,436	\$177,370	\$0	\$205,805
107	09/01/26	\$27,528	\$177,370	\$0	\$204,898

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)		(c)	(d)
		TOTAL GBE			
Date	NECO Return	NECO Depr	NECO Opex	Totals	
108	10/1/2026	\$26,621	\$177,370	\$0	\$203,990
109	11/01/26	\$25,713	\$177,370	\$0	\$203,083
110	12/01/26	\$24,806	\$177,370	\$0	\$202,175
111	01/01/27	\$23,898	\$177,370	\$0	\$201,268
112	02/01/27	\$22,991	\$177,370	\$0	\$200,360
113	03/01/27	\$22,083	\$177,370	\$0	\$199,453
114	04/01/27	\$21,176	\$177,370	\$0	\$198,545
115	05/01/27	\$20,268	\$177,370	\$0	\$197,638
116	06/01/27	\$19,361	\$177,370	\$0	\$196,730
117	07/01/27	\$18,453	\$177,370	\$0	\$195,823
118	08/01/27	\$17,546	\$177,370	\$0	\$194,915
119	09/01/27	\$16,638	\$177,370	\$0	\$194,008
120	10/01/27	\$15,731	\$177,370	\$0	\$193,100
121	11/01/27	\$14,823	\$177,370	\$0	\$192,193
122	12/01/27	\$13,916	\$177,370	\$0	\$191,285
123	01/01/28	\$13,008	\$177,370	\$0	\$190,378
124	02/01/28	\$12,101	\$177,370	\$0	\$189,470
125	03/01/28	\$11,281	\$142,904	\$0	\$154,185
126	04/01/28	\$10,551	\$142,904	\$0	\$153,454
127	05/01/28	\$9,873	\$122,241	\$0	\$132,114
128	06/01/28	\$9,248	\$122,241	\$0	\$131,489
129	07/01/28	\$8,623	\$122,241	\$0	\$130,864
130	08/01/28	\$7,999	\$122,006	\$0	\$130,004
131	09/01/28	\$7,375	\$122,006	\$0	\$129,381
132	10/01/28	\$6,911	\$59,569	\$0	\$66,480
133	11/01/28	\$6,608	\$59,569	\$0	\$66,176
134	12/01/28	\$6,304	\$59,569	\$0	\$65,873
135	01/01/29	\$6,000	\$59,569	\$0	\$65,569
136	02/01/29	\$5,697	\$59,569	\$0	\$65,266
137	03/01/29	\$5,395	\$58,684	\$0	\$64,079
138	04/01/29	\$5,096	\$58,684	\$0	\$63,780
139	05/01/29	\$4,797	\$58,684	\$0	\$63,481
140	06/01/29	\$4,502	\$57,211	\$0	\$61,713
141	07/01/29	\$4,210	\$57,211	\$0	\$61,421
142	08/01/29	\$3,919	\$57,211	\$0	\$61,130
143	09/01/29	\$3,627	\$57,211	\$0	\$60,838
144	10/01/29	\$3,336	\$57,211	\$0	\$60,547
145	11/01/29	\$3,044	\$57,211	\$0	\$60,255
146	12/01/29	\$2,753	\$57,211	\$0	\$59,964
147	01/01/30	\$2,461	\$57,211	\$0	\$59,672
148	02/01/30	\$2,169	\$57,211	\$0	\$59,380
149	03/01/30	\$1,878	\$57,211	\$0	\$59,089
150	04/01/30	(\$196)	\$19,574	\$0	\$19,378
151	05/01/30	(\$288)	\$12,622	\$0	\$12,334
152	06/01/30	(\$361)	\$12,622	\$0	\$12,260
153	07/01/30	(\$435)	\$12,622	\$0	\$12,186
154	08/01/30	(\$509)	\$12,622	\$0	\$12,113
155	09/01/30	(\$582)	\$12,622	\$0	\$12,039
156	10/01/30	(\$656)	\$12,622	\$0	\$11,966
157	11/01/30	(\$730)	\$12,622	\$0	\$11,892
158	12/01/30	(\$803)	\$12,622	\$0	\$11,818
159	01/01/31	(\$877)	\$12,622	\$0	\$11,745

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	Date	(a)	(b)	(c)	(d)
		NECO Return	NECO Depr	NECO Opex	Totals
		TOTAL GBE			
160	02/01/31	(\$950)	\$12,622	\$0	\$11,672
161	03/01/31	(\$1,029)	\$12,622	\$0	\$11,593
162	04/01/31	\$5	\$316	\$0	\$321
163	05/01/31	\$4	\$316	\$0	\$320
164	06/01/31	\$2	\$316	\$0	\$318
165	07/01/31	\$1	\$212	\$0	\$212
		\$6,720,743	\$21,284,346		\$28,005,088

The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Electric

	(a) FY17	(b) FY18	(c) FY19	(d) FY20	(e) FY21	(f) FY22	(g) FY23	(h) FY24	(i) FY25	(j) FY26	(k) FY27	(l) FY28	(m) FY29	(n) FY30	(o) FY31	(p) FY32	(q) FY33	Total	
1	\$0	\$9,857	\$158,176	\$208,623	\$184,142	\$157,211	\$133,441	\$110,302	\$87,163	\$64,023	\$40,884	\$17,779	\$1,970	\$0	\$0	\$0	\$0	\$0	\$1,173,572
2	\$0	\$13,536	\$262,239	\$376,157	\$376,157	\$376,157	\$376,157	\$376,157	\$376,157	\$376,157	\$376,157	\$362,622	\$113,919	\$0	\$0	\$0	\$0	\$0	\$3,761,573
3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	\$0	\$23,392	\$420,414	\$584,781	\$560,299	\$533,368	\$509,599	\$486,459	\$463,320	\$440,181	\$417,041	\$380,401	\$115,889	\$0	\$0	\$0	\$0	\$0	\$4,935,145

Opex Straight Lined 10 yrs

	RYE Aug 19	RYE Aug 20	RYE Aug 21
Return	\$206,578	\$199,116	\$172,736
Amortization	\$350,747	\$376,157	\$376,157
Incremental Opex (shaped vs SL)	\$0	\$0	\$0
Run the Business (RTB)	\$0	\$0	\$0
Savings offset	\$0	\$0	\$0
Total RR	\$557,326	\$575,273	\$548,894
Capital - related	\$557,326	\$575,273	\$548,894
Operating exp net of savings	\$0	\$0	\$0
Total Revenue Requirement	\$557,326	\$575,273	\$548,894

Line Notes

- 1 Pages 12 through 16, Column (a)
- 2 Pages 12 through 16, Column (b)
- 16 Line 11(b) + 12(b)

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The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)	(c)	(d)	
	TOTAL				
	RI Elec Return	RI Elec Depr	RI Elec Opex	RI Elec RTB	Totals
11/1/2017	\$0	\$0	\$0	\$0	\$0
12/1/2017	\$0	\$0	\$0	\$0	\$0
1/1/2018	\$0	\$0	\$0	\$0	\$0
2/1/2018	\$0	\$0	\$0	\$0	\$0
3/1/2018	\$9,857	\$13,536	\$0	\$0	\$23,392
4/1/2018	\$8,235	\$13,536	\$0	\$0	\$21,770
5/1/2018	\$8,189	\$13,536	\$0	\$0	\$21,725
6/1/2018	\$8,142	\$13,536	\$0	\$0	\$21,678
7/1/2018	\$8,094	\$13,536	\$0	\$0	\$21,630
8/1/2018	\$8,472	\$14,081	\$0	\$0	\$22,552
9/1/2018	\$8,385	\$14,081	\$0	\$0	\$22,465
10/1/2018	\$19,715	\$29,718	\$0	\$0	\$49,432
11/1/2018	\$17,783	\$29,718	\$0	\$0	\$47,500
12/1/2018	\$17,670	\$29,718	\$0	\$0	\$47,388
1/1/2019	\$17,555	\$29,718	\$0	\$0	\$47,272
2/1/2019	\$17,436	\$29,718	\$0	\$0	\$47,154
3/1/2019	\$18,501	\$31,346	\$0	\$0	\$49,847
4/1/2019	\$18,181	\$31,346	\$0	\$0	\$49,527
5/1/2019	\$18,047	\$31,346	\$0	\$0	\$49,393
6/1/2019	\$17,910	\$31,346	\$0	\$0	\$49,257
7/1/2019	\$17,770	\$31,346	\$0	\$0	\$49,116
8/1/2019	\$17,627	\$31,346	\$0	\$0	\$48,973
9/1/2019	\$17,480	\$31,346	\$0	\$0	\$48,826
10/1/2019	\$17,330	\$31,346	\$0	\$0	\$48,676
11/1/2019	\$17,176	\$31,346	\$0	\$0	\$48,523
12/1/2019	\$17,019	\$31,346	\$0	\$0	\$48,366
1/1/2020	\$16,859	\$31,346	\$0	\$0	\$48,206
2/1/2020	\$16,696	\$31,346	\$0	\$0	\$48,042
3/1/2020	\$16,529	\$31,346	\$0	\$0	\$47,875
4/1/2020	\$16,359	\$31,346	\$0	\$0	\$47,705
5/1/2020	\$16,185	\$31,346	\$0	\$0	\$47,532
6/1/2020	\$16,009	\$31,346	\$0	\$0	\$47,355
7/1/2020	\$15,829	\$31,346	\$0	\$0	\$47,175

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The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)	(c)	(d)	
	TOTAL				
	RI Elec Return	RI Elec Depr	RI Elec Opex	RI Elec RTB	Totals
8/1/2020	\$15,645	\$31,346	\$0	\$0	\$46,992
9/1/2020	\$15,459	\$31,346	\$0	\$0	\$46,805
10/1/2020	\$15,268	\$31,346	\$0	\$0	\$46,615
11/1/2020	\$15,075	\$31,346	\$0	\$0	\$46,422
12/1/2020	\$14,878	\$31,346	\$0	\$0	\$46,225
1/1/2021	\$14,678	\$31,346	\$0	\$0	\$46,025
2/1/2021	\$14,475	\$31,346	\$0	\$0	\$45,821
3/1/2021	\$14,281	\$31,346	\$0	\$0	\$45,628
4/1/2021	\$14,098	\$31,346	\$0	\$0	\$45,444
5/1/2021	\$13,913	\$31,346	\$0	\$0	\$45,259
6/1/2021	\$13,726	\$31,346	\$0	\$0	\$45,072
7/1/2021	\$13,537	\$31,346	\$0	\$0	\$44,884
8/1/2021	\$13,348	\$31,346	\$0	\$0	\$44,694
9/1/2021	\$13,157	\$31,346	\$0	\$0	\$44,504
10/1/2021	\$12,980	\$31,346	\$0	\$0	\$44,326
11/1/2021	\$12,817	\$31,346	\$0	\$0	\$44,163
12/1/2021	\$12,654	\$31,346	\$0	\$0	\$44,000
1/1/2022	\$12,490	\$31,346	\$0	\$0	\$43,837
2/1/2022	\$12,327	\$31,346	\$0	\$0	\$43,673
3/1/2022	\$12,165	\$31,346	\$0	\$0	\$43,511
4/1/2022	\$12,004	\$31,346	\$0	\$0	\$43,350
5/1/2022	\$11,843	\$31,346	\$0	\$0	\$43,190
6/1/2022	\$11,683	\$31,346	\$0	\$0	\$43,029
7/1/2022	\$11,522	\$31,346	\$0	\$0	\$42,868
8/1/2022	\$11,361	\$31,346	\$0	\$0	\$42,708
9/1/2022	\$11,200	\$31,346	\$0	\$0	\$42,547
10/1/2022	\$11,040	\$31,346	\$0	\$0	\$42,386
11/1/2022	\$10,879	\$31,346	\$0	\$0	\$42,226
12/1/2022	\$10,718	\$31,346	\$0	\$0	\$42,065
1/1/2023	\$10,558	\$31,346	\$0	\$0	\$41,904
2/1/2023	\$10,397	\$31,346	\$0	\$0	\$41,743
3/1/2023	\$10,236	\$31,346	\$0	\$0	\$41,583
4/1/2023	\$10,076	\$31,346	\$0	\$0	\$41,422

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The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)	(c)	(d)	
	TOTAL				
	RI Elec Return	RI Elec Depr	RI Elec Opex	RI Elec RTB	Totals
5/1/2023	\$9,915	\$31,346	\$0	\$0	\$41,261
6/1/2023	\$9,754	\$31,346	\$0	\$0	\$41,101
7/1/2023	\$9,594	\$31,346	\$0	\$0	\$40,940
8/1/2023	\$9,433	\$31,346	\$0	\$0	\$40,779
9/1/2023	\$9,272	\$31,346	\$0	\$0	\$40,619
10/1/2023	\$9,111	\$31,346	\$0	\$0	\$40,458
11/1/2023	\$8,951	\$31,346	\$0	\$0	\$40,297
12/1/2023	\$8,790	\$31,346	\$0	\$0	\$40,137
1/1/2024	\$8,629	\$31,346	\$0	\$0	\$39,976
2/1/2024	\$8,469	\$31,346	\$0	\$0	\$39,815
3/1/2024	\$8,308	\$31,346	\$0	\$0	\$39,654
4/1/2024	\$8,147	\$31,346	\$0	\$0	\$39,494
5/1/2024	\$7,987	\$31,346	\$0	\$0	\$39,333
6/1/2024	\$7,826	\$31,346	\$0	\$0	\$39,172
7/1/2024	\$7,665	\$31,346	\$0	\$0	\$39,012
8/1/2024	\$7,505	\$31,346	\$0	\$0	\$38,851
9/1/2024	\$7,344	\$31,346	\$0	\$0	\$38,690
10/1/2024	\$7,183	\$31,346	\$0	\$0	\$38,530
11/1/2024	\$7,023	\$31,346	\$0	\$0	\$38,369
12/1/2024	\$6,862	\$31,346	\$0	\$0	\$38,208
1/1/2025	\$6,701	\$31,346	\$0	\$0	\$38,048
2/1/2025	\$6,540	\$31,346	\$0	\$0	\$37,887
3/1/2025	\$6,380	\$31,346	\$0	\$0	\$37,726
4/1/2025	\$6,219	\$31,346	\$0	\$0	\$37,566
5/1/2025	\$6,058	\$31,346	\$0	\$0	\$37,405
6/1/2025	\$5,898	\$31,346	\$0	\$0	\$37,244
7/1/2025	\$5,737	\$31,346	\$0	\$0	\$37,083
8/1/2025	\$5,576	\$31,346	\$0	\$0	\$36,923
9/1/2025	\$5,416	\$31,346	\$0	\$0	\$36,762
10/1/2025	\$5,255	\$31,346	\$0	\$0	\$36,601
11/1/2025	\$5,094	\$31,346	\$0	\$0	\$36,441
12/1/2025	\$4,934	\$31,346	\$0	\$0	\$36,280
1/1/2026	\$4,773	\$31,346	\$0	\$0	\$36,119

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
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The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)	(c)	(d)	
	TOTAL				
	RI Elec Return	RI Elec Depr	RI Elec Opex	RI Elec RTB	Totals
2/1/2026	\$4,612	\$31,346	\$0	\$0	\$35,959
3/1/2026	\$4,451	\$31,346	\$0	\$0	\$35,798
4/1/2026	\$4,291	\$31,346	\$0	\$0	\$35,637
5/1/2026	\$4,130	\$31,346	\$0	\$0	\$35,477
6/1/2026	\$3,969	\$31,346	\$0	\$0	\$35,316
7/1/2026	\$3,809	\$31,346	\$0	\$0	\$35,155
8/1/2026	\$3,648	\$31,346	\$0	\$0	\$34,994
9/1/2026	\$3,487	\$31,346	\$0	\$0	\$34,834
10/1/2026	\$3,327	\$31,346	\$0	\$0	\$34,673
11/1/2026	\$3,166	\$31,346	\$0	\$0	\$34,512
12/1/2026	\$3,005	\$31,346	\$0	\$0	\$34,352
1/1/2027	\$2,845	\$31,346	\$0	\$0	\$34,191
2/1/2027	\$2,684	\$31,346	\$0	\$0	\$34,030
3/1/2027	\$2,523	\$31,346	\$0	\$0	\$33,870
4/1/2027	\$2,363	\$31,346	\$0	\$0	\$33,709
5/1/2027	\$2,202	\$31,346	\$0	\$0	\$33,548
6/1/2027	\$2,041	\$31,346	\$0	\$0	\$33,388
7/1/2027	\$1,880	\$31,346	\$0	\$0	\$33,227
8/1/2027	\$1,720	\$31,346	\$0	\$0	\$33,066
9/1/2027	\$1,559	\$31,346	\$0	\$0	\$32,906
10/1/2027	\$1,398	\$31,346	\$0	\$0	\$32,745
11/1/2027	\$1,238	\$31,346	\$0	\$0	\$32,584
12/1/2027	\$1,077	\$31,346	\$0	\$0	\$32,423
1/1/2028	\$916	\$31,346	\$0	\$0	\$32,263
2/1/2028	\$756	\$31,346	\$0	\$0	\$32,102
3/1/2028	\$630	\$17,811	\$0	\$0	\$18,440
4/1/2028	\$538	\$17,811	\$0	\$0	\$18,349
5/1/2028	\$447	\$17,811	\$0	\$0	\$18,258
6/1/2028	\$356	\$17,811	\$0	\$0	\$18,166
7/1/2028	\$264	\$17,811	\$0	\$0	\$18,075
8/1/2028	\$175	\$17,266	\$0	\$0	\$17,440
9/1/2028	\$86	\$17,266	\$0	\$0	\$17,352
10/1/2028	\$38	\$1,629	\$0	\$0	\$1,666

THE NARRAGANSETT ELECTRIC COMPANY
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The Narragansett Electric Company d/b/a National Grid
New Initiative
Gas Business Enablement
Service Company Rent Expense and Operating Expense
Allocated to Narragansett Electric Company

	(a)	(b)	(c)	(d)	
TOTAL					
RI Elec Return	RI Elec Depr	RI Elec Opex	RI Elec RTB		
					Totals
11/1/2028	\$29	\$1,629	\$0	\$0	\$1,658
12/1/2028	\$21	\$1,629	\$0	\$0	\$1,650
1/1/2029	\$13	\$1,629	\$0	\$0	\$1,641
2/1/2029	\$4	\$1,629	\$0	\$0	\$1,633
3/1/2029	\$0	\$0	\$0	\$0	\$0
\$1,290,111	\$3,761,573	\$0	\$0		\$4,935,145

Schedule MAL-37 (REV-1)

Operating Expenditures Electric

The Narragansett Electric Company d/b/a National Grid
Electric Operations

	Test Year Ended June 30, 2017 (Per Books)			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)			
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas	
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Electric Operations

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total	Electric	Gas	Total	Electric	Gas	
	Total	Electric	Gas							(g) = (h) + (i)
	(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (e)	(i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$611,550	\$611,550	\$0	\$611,550	\$611,550	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$611,550	\$611,550	\$0	\$611,550	\$611,550	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>	<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Electric Operations

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021	
	Electric	Electric	Electric	Electric	Electric	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$611,550	(\$39,550)	\$572,000	\$46,083	\$618,083
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$611,550</u>	<u>(\$39,550)</u>	<u>\$572,000</u>	<u>\$46,083</u>	<u>\$618,083</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.					
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$611,550	(\$39,550)	\$572,000	\$46,083	\$618,083
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$611,550</u>	<u>(\$39,550)</u>	<u>\$572,000</u>	<u>\$46,083</u>	<u>\$618,083</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27						
28	TOTAL	<u>\$611,550</u>	<u>(\$39,550)</u>	<u>\$572,000</u>	<u>\$46,083</u>	<u>\$618,083</u>
		\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Electric Operations

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Electric Operations

				<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Total</u>
						(a) = (b) + (c)	(b)	(c)
Explanation of Adjustments:								
1	BU	HTY Adjustment Page 1	Normalizing Adjustments			<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
2						<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
3		Page 2	Adjustments: (to reflect conditions in the Rate Year)					
4		Demand Generation System Portal	Narragansett Electric Company			\$65,000	\$65,000	\$0
5		Crane Operations Training	Narragansett Electric Company			\$41,550	\$41,550	\$0
6		Trouble Trucks	Narragansett Electric Company			\$441,000	\$441,000	\$0
7		Telecommunications Trucks	Narragansett Electric Company			\$64,000	\$64,000	\$0
8		Temporary Customer Meter Services	Narragansett Electric Company			\$0	\$0	\$0
9		TOTAL				<u>\$611,550</u>	<u>\$611,550</u>	<u>\$0</u>
10								
11		Page 3	Adjustments: (to reflect conditions in the Rate Year 2)					
12		DG system portal opex (E)	Narragansett Electric Company			\$2,000	\$2,000	\$0
13		Crane Operator Training (E)	Narragansett Electric Company			(\$41,550)	(\$41,550)	\$0
14		TOTAL				<u>(\$39,550)</u>	<u>(\$39,550)</u>	<u>\$0</u>
15								
16		Page 3	Adjustments: (to reflect conditions in the Rate Year 3)					
17		DG system portal opex (E)	Narragansett Electric Company			\$46,083	\$46,083	\$0
18						\$0	\$0	\$0
19		TOTAL				<u>\$46,083</u>	<u>\$46,083</u>	<u>\$0</u>

Schedule MAL-38 (REV-1)

Operating Expenditures Gas

The Narragansett Electric Company d/b/a National Grid
Gas Operations

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017		
	(Per Books)						(as Adjusted)		
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
Provider Company:									
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5									
6									
Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21									
Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27									
28	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Gas Operations

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019		
	(as Adjusted)			Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)
	Total (a) = (b) + (c)	Electric (b)	Gas (c)						
1 Provider Company:									
2 Narragansett Electric Company	\$0	\$0	\$0	\$1,032,482	\$0	\$1,032,482	\$1,032,482	\$0	\$1,032,482
3 National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5 Total	\$0	\$0	\$0	\$1,032,482	\$0	\$1,032,482	\$1,032,482	\$0	\$1,032,482
6									
7 Operation:									
8 Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, Terminating 11 and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$0	\$0	\$0	\$1,032,482	\$0	\$1,032,482	\$1,032,482	\$0	\$1,032,482
15 Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 Customer Service and 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 Sub Total	\$0	\$0	\$0	\$1,032,482	\$0	\$1,032,482	\$1,032,482	\$0	\$1,032,482
21									
22 Maintenance:									
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27									
28 TOTAL	\$0	\$0	\$0	\$1,032,482	\$0	\$1,032,482	\$1,032,482	\$0	\$1,032,482
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Gas Operations

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Electric	Electric	Electric	Electric	Electric
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Gas Operations

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021	
	Gas	Gas	Gas	Gas	Gas	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$1,032,482	(\$76,782)	\$955,700	\$0	\$955,700
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$1,032,482</u>	<u>(\$76,782)</u>	<u>\$955,700</u>	<u>\$0</u>	<u>\$955,700</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.					
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$1,032,482	(\$76,782)	\$955,700	\$0	\$955,700
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$1,032,482</u>	<u>(\$76,782)</u>	<u>\$955,700</u>	<u>\$0</u>	<u>\$955,700</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27						
28	TOTAL	<u>\$1,032,482</u>	<u>(\$76,782)</u>	<u>\$955,700</u>	<u>\$0</u>	<u>\$955,700</u>
		\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Gas Operations

			<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Total</u>
					(a)	(b)	(c)
Explanation of Adjustments:							
1	HTY Adjustment	Page 1	Normalizing Adjustments				
2					<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
3		Page 2	Adjustments: (to reflect conditions in the Rate Year)				
4	Gas Transmission Engineering		Narragansett Electric Company		\$300,000	\$0	\$300,000
5	Pressure Regulation Engineering		Narragansett Electric Company		\$300,000	\$0	\$300,000
6	Public Awareness		Narragansett Electric Company		\$200,000	\$0	\$200,000
7	Prometric		Narragansett Electric Company		\$211,482	\$0	\$211,482
8	Encroachment Preventer		Narragansett Electric Company		\$21,000	\$0	\$21,000
9			TOTAL		<u>\$1,032,482</u>	<u>\$0</u>	<u>\$1,032,482</u>
10							
11		Page 3	Adjustments: (to reflect conditions in the Rate Year 2)				
12	Prometric		Narragansett Electric Company		(\$76,782)	\$0	(\$76,782)
13			Narragansett Electric Company		\$0	\$0	\$0
14			TOTAL		<u>(\$76,782)</u>	<u>\$0</u>	<u>(\$76,782)</u>
15							
16		Page 3	Adjustments: (to reflect conditions in the Rate Year 3)				
17			Narragansett Electric Company		\$0	\$0	\$0
18					\$0	\$0	\$0
19			TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Column Notes

(c) In support of Pre-filed Testimony of Alfred Amaral

Line Notes

- 4(c) Page 6 of 6 Row 1 Column (c)
- 5(c) Page 6 of 6 Row 3 Column (c)
- 6(c) Page 6 of 6 Row 5 Column (c)
- 7(c) Page 6 of 6 Row 6 Column (c)
- 8(c) Page 6 of 6 Row 7 Column (c)
- 12(c) Page 6 of 6 Row 6 Column (c) Less Row 6 Column (f)

The Narragansett Electric Company d/b/a National Grid
Gas Operations

Description	Year 1			Year 2			Year 3			Total - 3 Years		
	Total	Electric 100.00%	Gas 0.00%	Total	Electric 100.00%	Gas 0.00%	Total	Electric 100.00%	Gas 0.00%	Total	Electric 100.00%	Gas 0.00%
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Increased Opex Workload												
1 Gas Transmission Engineering- IMP/IVP Inspections (PHSMA)	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$900,000	\$0	\$900,000
2 Opex Related to Capex												
3 Pressure Regulation Engineering- Asset Integrity Work (Records Review)	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$900,000	\$0	\$900,000
4 Safety Programs												
5 Gas Pipeline & Safety Compliance- Public Awareness	\$200,000	\$0	\$200,000	\$200,000	\$0	\$200,000	\$200,000	\$0	\$200,000	\$600,000	\$0	\$600,000
6 Gas Pipeline & Safety Compliance- Operator Qualification Testing- Prometric	\$211,482	\$0	\$211,482	\$134,700	\$0	\$134,700	\$134,700	\$0	\$134,700	\$480,882	\$0	\$480,882
7 Gas Construction - Encroachment Preventer	\$21,000	\$0	\$21,000	\$21,000	\$0	\$21,000	\$21,000	\$0	\$21,000	\$63,000	\$0	\$63,000
8												
9 Subtotal - Opex	\$1,032,482	\$0	\$1,032,482	\$955,700	\$0	\$955,700	\$955,700	\$0	\$955,700	\$2,943,882	\$0	\$2,943,882
10												
11												
12												
13												
14				\$0			\$0			\$0	\$0	\$0
15				\$0			\$0			\$0	\$0	\$0
16				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17												
18												
19	\$0	\$0	\$0		\$0	\$0		\$0	\$0		\$0	\$0
20												
21												
22 Total	\$1,032,482	\$0	\$1,032,482	\$955,700	\$0	\$955,700	\$955,700	\$0	\$955,700	\$2,943,882	\$0	\$2,943,882
23												
24												
25 Opex	\$1,032,482	\$0	\$1,032,482	\$955,700	\$0	\$955,700	\$955,700	\$0	\$955,700	\$2,943,882	\$0	\$2,943,882
26 Service Co rent expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27 Savings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 Grand Total	\$1,032,482	\$0	\$1,032,482	\$955,700	\$0	\$955,700	\$955,700	\$0	\$955,700	\$2,943,882	\$0	\$2,943,882

Note: In support of Pre-filed Testimony of Alfred Amaral

Schedule MAL-39 (REV-1)
Customer Affordability Program

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
	(a)=(b)+(c)	(b)	(c)	(d)=(e)+(f)	(e)	(f)	(g)=(h)+(i)	(h)=(b)+(e)	(i)=(c)+(f)
Provider Company:									
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5									
6									
7	Operation:								
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.								
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses								
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21									
22	Maintenance:								
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27									
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program

		Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019		
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
		(a)=(b)+(c)	(b)	(c)	(d)=(e)+(f)	(e)	(f)	(g)=(h)+(i)	(h)=(b)+(e)	(i)=(c)+(f)
Provider Company:										
1	Narragansett Electric Company	\$0	\$0	\$0	\$906,337	\$613,623	\$292,714	\$906,337	\$613,623	\$292,714
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminating	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.									
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$906,337	\$613,623	\$292,714	\$906,337	\$613,623	\$292,714
17	Informational Expenses									
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(e) Page 6 of 6 Row 33 Column (b) less Row 10 Column (b)
- 1(f) Page 6 of 6 Row 33 Column (c) less Row 10 Column (c)
- 16(e) Page 6 of 6 Row 33 Column (b) less Row 10 Column (b)
- 16(f) Page 6 of 6 Row 33 Column (c) less Row 10 Column (c)

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program

	Rate Year Ending August 31, 2019 <u>Electric</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (b)	Data Year 1 Ending August 31, 2020 <u>Electric</u> (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$613,623	(\$70,367)	\$543,256	(\$255,128)	\$288,128
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$613,623</u>	<u>(\$70,367)</u>	<u>\$543,256</u>	<u>(\$255,128)</u>	<u>\$288,128</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$613,623	(\$70,367)	\$543,256	(\$255,128)	\$288,128
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$613,623</u>	<u>(\$70,367)</u>	<u>\$543,256</u>	<u>(\$255,128)</u>	<u>\$288,128</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27						
28	TOTAL	<u>\$613,623</u>	<u>(\$70,367)</u>	<u>\$543,256</u>	<u>(\$255,128)</u>	<u>\$288,128</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(b) Page 5 of 6 Row 12 Column (b)
- 1(d) Page 5 of 6 Row 17 Column (b)
- 16(b) Page 5 of 6 Row 12 Column (b)
- 16(d) Page 5 of 6 Row 17 Column (b)

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program

	Rate Year Ending August 31, 2019 <u>Gas</u> (a)	Adjustments to Reflect Conditions in Data Year <u>Gas</u> (b)	Data Year 1 Ending August 31, 2020 <u>Gas</u> (c)=(a)+(b)	Adjustments to Reflect Conditions in Data Year <u>Gas</u> (d)	Data Year 2 Ending August 31, 2021 <u>Gas</u> (e)=(c)+(d)	
Provider Company:						
1	Narragansett Electric Company	\$292,714	\$2,518	\$295,232	(\$138,649)	\$156,583
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$292,714</u>	<u>\$2,518</u>	<u>\$295,232</u>	<u>(\$138,649)</u>	<u>\$156,583</u>
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$292,714	\$2,518	\$295,232	(\$138,649)	\$156,583
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$292,714</u>	<u>\$2,518</u>	<u>\$295,232</u>	<u>(\$138,649)</u>	<u>\$156,583</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27						
28	TOTAL	<u>\$292,714</u>	<u>\$2,518</u>	<u>\$295,232</u>	<u>(\$138,649)</u>	<u>\$156,583</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(b) Page 5 of 6 Row 12 Column (c)
- 1(d) Page 5 of 6 Row 17 Column (c)
- 16(b) Page 5 of 6 Row 12 Column (c)
- 16(d) Page 5 of 6 Row 17 Column (c)

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program

			<u>Provider Company</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
			(a)	(b)	(c)	
Explanation of Adjustments:						
1	HTY Adjustment	Page 1	Normalizing Adjustments			
2				<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
3		Page 2	Adjustments: (to reflect conditions in the Rate Year)			
4	Customer Affordability Program Rate Year 1		Narragansett Electric Company	\$906,337	\$613,623	\$292,714
5				\$0	\$0	\$0
6				\$0	\$0	\$0
7				\$0	\$0	\$0
8				<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
9			TOTAL	<u>\$906,337</u>	<u>\$613,623</u>	<u>\$292,714</u>
10						
11		Page 3 & 4	Adjustments: (to reflect conditions in the Rate Year 2)			
12	Customer Affordability Program Rate Year 2		Narragansett Electric Company	(\$67,849)	(\$70,367)	\$2,518
13				\$0	\$0	\$0
14			TOTAL	<u>(\$67,849)</u>	<u>(\$70,367)</u>	<u>\$2,518</u>
15						
16		Page 3 & 4	Adjustments: (to reflect conditions in the Rate Year 3)			
17	Customer Affordability Program Rate Year 3		Narragansett Electric Company	(\$393,777)	(\$255,128)	(\$138,649)
18				\$0	\$0	\$0
19			TOTAL	<u>(\$393,777)</u>	<u>(\$255,128)</u>	<u>(\$138,649)</u>

Line Notes

- 4(b) Page 6 of 6 Row 33 Column (b) less Row 10 Column (b)
- 4(c) Page 6 of 6 Row 33 Column (c) less Row 10 Column (c)
- 12(b) Page 6 of 6 Row 33 Column (e) less Row 10 Column (e) less 4(b)
- 12(c) Page 6 of 6 Row 33 Column (f) less Row 10 Column (f) less 4(c)
- 17(b) Page 6 of 6 Row 33 Column (h) less Row 10 Column (h) less 4(b) and 12(b)
- 17(c) Page 6 of 6 Row 33 Column (i) less Row 10 Column (i) less 4(c) and 12(c)

The Narragansett Electric Company d/b/a National Grid
Customer Affordability Program (CAP) Proposed Budget

Line No.	Description	CAP Investments									Total - 3 Years		
		Year 1			Year 2			Year 3			Total	Naragansett Electric 65%	Naragansett Gas 35%
		Total	Naragansett Electric 65%	Naragansett Gas 35%	Total	Naragansett Electric 65%	Naragansett Gas 35%	Total	Naragansett Electric 65%	Naragansett Gas 35%			
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)		
1													
2													
3	Targeted IE customer outreach / education												
4	Marketing Analyst (1 FTE)	\$115,131	\$74,593	\$40,538	\$115,131	\$74,593	\$40,538	\$115,131	\$74,593	\$40,538	\$345,392	\$223,779	\$121,613
5	Direct outreach expenditures (print/mobile advertising, direct mail, outdoor advertising, outbound call	\$425,000	\$275,358	\$149,643	\$425,000	\$275,358	\$149,643	\$0	\$0	\$0	\$850,000	\$550,715	\$299,285
6	Subtotal	\$540,131	\$349,951	\$190,180	\$540,131	\$349,951	\$190,180	\$115,131	\$74,593	\$40,538	\$1,195,392	\$774,494	\$420,898
7													
8	Incremental Consumer Advocates (3 FTEs)												
9	1 Senior Consumer Advocate / 2 Consumer Advocates	\$383,473	\$248,452	\$135,021	\$383,473	\$248,452	\$135,021	\$383,473	\$248,452	\$135,021	\$1,150,420	\$745,357	\$405,063
10	Subtotal	\$383,473	\$248,452	\$135,021	\$383,473	\$248,452	\$135,021	\$383,473	\$248,452	\$135,021	\$1,150,420	\$745,357	\$405,063
11													
12	Home Energy Monitoring Demonstration Project (All OpEx)		100%	0%		100%	0%		100%	0%			
13	Device Hardware Purchase Price	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$0
14	Device Installation Cost	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$15,000	\$0
15	Customer outreach/recruitment	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$15,000	\$0
16	Contact Center CSR Training	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$0
17	Customer surveys, follow-up site visits	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$0
18	Subtotal	\$75,000	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$0
19													
20	Contact Center LMI Personalization Engine (TBD)												
21	One-time setup fees	\$45,101	\$29,221	\$15,880	\$0	\$0	\$0	\$0	\$0	\$0	\$45,101	\$29,221	\$15,880
22	Recurring license fees	\$45,101	\$29,221	\$15,880	\$90,201	\$58,441	\$31,760	\$90,201	\$58,441	\$31,760	\$225,503	\$146,104	\$79,400
23	Internal IS implementation costs	\$20,000	\$12,958	\$7,042	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$12,958	\$7,042
24	Subtotal	\$110,201	\$71,399	\$38,802	\$90,201	\$58,441	\$31,760	\$90,201	\$58,441	\$31,760	\$270,604	\$175,324	\$95,280
25													
26	APC Fee Socialization (All OpEx)												
27	Extended Payment Center fees	\$181,005	\$117,273	\$63,732	\$208,156	\$134,864	\$73,292	\$239,379	\$155,094	\$84,285	\$628,540	\$407,231	\$221,309
28	Subtotal	\$181,005	\$117,273	\$63,732	\$208,156	\$134,864	\$73,292	\$239,379	\$155,094	\$84,285	\$628,540	\$407,231	\$221,309
29													
30	Summary												
31	Total - One-time Costs	\$140,101	\$117,179	\$22,922	\$0	\$0	\$0	\$0	\$0	\$0	\$140,101	\$117,179	\$22,922
32	Total - Recurring Costs	\$1,149,710	\$744,897	\$404,813	\$1,221,961	\$791,709	\$430,252	\$828,184	\$536,581	\$291,604	\$3,199,855	\$2,073,186	\$1,126,669
33	Grand Total	\$1,289,810	\$862,076	\$427,735	\$1,221,961	\$791,709	\$430,252	\$828,184	\$536,581	\$291,604	\$3,339,956	\$2,190,365	\$1,149,591
34	Grand Total Less Consumer Advocates (included in Labor)	\$ 613,623	\$ 292,714		\$ 543,256	\$ 295,232		\$ 288,128	\$ 156,583				

Line Notes:

4-33 Per testimony of Company Witness John F. Isberg, Schedule JFI - 3
34 Line 33 less Line 10

Schedule MAL-40 (REV-1)

Purchase Power Expenses

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Purchased Power (and Gas) Expenses

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017		
	(Per Books)						(as Adjusted)		
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	Total (g) = (h) + (i)	Electric (h)	Gas (i)
Provider Company:									
1 Narragansett Electric Company	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
2 National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
Operation:									
8 Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
10 Natural Gas Storage, Terminating and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15 Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 Sub Total	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
Maintenance:									
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27									
28 TOTAL	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Purchased Power (and Gas) Expenses

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019		
	(as Adjusted)			Total (d) = (e) + (f)	Electric (e)	Gas (f)	(g) = (h) + (i)		
	Total (a) = (b) + (c)	Electric (b)	Gas (c)				Total (g) = (h) + (i)	Electric (h)	Gas (i)
Provider Company:									
1	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5									
6									
Operation:									
8	Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21									
Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27									
28	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Purchased Power (and Gas) Expenses

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Electric	Electric	Electric	Electric	Electric
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	\$0	\$0	\$0	\$0
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminating and Processing Exp.	\$0	\$0	\$0	\$0
11					
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0
17					
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	\$0	\$0	\$0	\$0
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	\$0	\$0	\$0	\$0
27					
28	TOTAL	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Purchased Power (and Gas) Expenses

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Data Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Data Year	Data Year 2 Ending August 31, 2021
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)
Provider Company:					
1	Narragansett Electric Company	\$0	\$0	\$0	\$0
2	National Grid USA Service Company	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5					
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storag, Terminaling	\$0	\$0	\$0	\$0
11	and Processing Exp.				
12	Transmission Expenses	\$0	\$0	\$0	\$0
13	Regional Market Expenses	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0
16	Customer Service and	\$0	\$0	\$0	\$0
17	Informational Expenses				
18	Sales Expenses	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
21					
22	Maintenance:				
23	Transmission Expenses	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		\$0	\$0	\$0	\$0

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Purchased Power (and Gas) Expenses

			<u>Provider Company</u>	<u>Source Wt</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
Explanation of Adjustments:							
1	HTY Adjustment	Page 1	Adjustments: (to normalize Historic Year)				
2			Reverse Gas Purchase	Narragansett Electric Company	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)
3				National Grid USA Service Company	\$0	\$0	\$0
4				All Other Companies	\$0	\$0	\$0
5					\$0	\$0	\$0
6					\$0	\$0	\$0
7					<u>(\$440,524,701)</u>	<u>(\$304,255,398)</u>	<u>(\$136,269,302)</u>
8							
9							
10							
11							
12							
13							
14		Page 2	Adjustments: (to reflect conditions in the Rate Year)				
15							
16							
17							\$0
18							
19							
20							
21							
22							
23			TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
24							
25							
26		Page 3 & 4	Adjustments: (to reflect conditions in the Rate Year)				
27							
28							
29							\$0
30							
31							
32							
33							
34			TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
35							
36							
37							
38		Page 3 & 4	Adjustments: (to reflect conditions in the Rate Year)				
39							
40							
41							\$0
42							
43							
44							
45							
46			TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
47							

Line Notes

2-4 Commodity cost is recovered through other recovery mechanism, stripped out from the general rate case

Schedule MAL-41 (REV-1)

Cash Working Capital/Lead Lag Study Electric

National Grid - Narragansett Electric Company
Cash Working Capital Requirements
Temporary Disability Insurance - Monthly Payroll
Summary

Line No.		CWC %			RATE YEAR		Reference page for Total Dollars: (f)
		Revenue Receipt Lag (a)	Expense Payment (Lag) (b)	Net Payment (Lead) Lag (c)	Total Dollars (d)	CWC Dollars (e)	
1	Purchase Power	16.91%	-5.34%	11.57%	Recovered via Company Electric Retail Rate Filing		3
2	Operation & Maintenance Expense	16.91%	-4.96%	11.95%	\$136,014,576	16,254,974	4
3	Transmission	16.91%	-6.15%	10.76%	\$164,627,154	-	5
4	Federal Income Tax	16.91%	-6.12%	10.79%	\$10,837,399	1,169,355	6
5	<u>Taxes Other than Income Taxes</u>						
6	Municipal Taxes	16.91%	-25.30%	-8.39%	\$30,530,258	(2,561,489)	7
7	Sales and Use Tax	16.91%	-4.17%	12.74%	\$1,395	178	8
8	Gross Earnings Tax	16.91%	0.37%	17.28%	\$9,273,601	1,602,478	9
9	<u>Payroll Taxes - Company Portion</u>						
10	Employer Federal Unemployment	16.91%	22.78%	39.69%	\$27,452	10,896	10
11	Employer State Unemployment	16.91%	17.16%	34.07%	\$168,278	57,332	11
12	FICA Expense	- Weekly 16.91%	1.95%	18.86%	\$2,768,804	522,196	12
13		- Monthly 16.91%	1.95%	18.86%	\$2,071,676	390,718	13
14	<u>Payroll Taxes and Other Withholding</u>						
15	Employee FICA and Federal Withholding	- Weekly	-0.27%	-0.27%	\$8,003,525	(21,610)	14
16		- Monthly	-1.73%	-1.73%	\$1,210,777	(20,946)	15
17	Employee State Income Tax Withholding	- Weekly	0.29%	0.29%	\$1,304,076	3,782	16
18		- Monthly	1.72%	1.72%	\$207,890	3,576	17
19	Temporary Disability Insurance	- Weekly	-19.63%	-19.63%	\$279,426	(54,851)	18
20		- Monthly	-19.70%	-19.70%	\$32,595	(6,421)	19
21	Employee Incentive Thrift	- Weekly		0.00%			
22		- Monthly		0.00%			
23	Total Working Capital Requirement - Distribution				\$367,358,882	\$17,350,168	

Line Notes

- (a) Page 2, Line 27
- (b) From Schedule in Column (f)
- (c) Column (a) + (b)
- (d) From Schedule in Column (f)
- (e) Column (c) x Column (d)

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
Revenue Payment Lag**

<u>Line No.</u>	<u>Service Period</u>	<u>Accounts Receivable</u>	<u>Sale of Electricity</u>	<u>Days in Month</u>	<u>Days of Sale in Accounts Receivable</u>
	(a)	(b)	(c)	(d)	(e) = (b)/(c) x (d)
1					
2	7/31/2016	\$110,524,237	\$86,424,652	31	39.64
3	8/31/2016	\$120,454,312	\$99,948,799	29	34.95
4	9/30/2016	\$126,124,683	\$92,049,298	31	42.48
5	10/31/2016	\$100,629,498	\$70,429,624	30	42.86
6	11/30/2016	\$92,666,106	\$64,998,302	31	44.20
7	12/31/2016	\$117,762,216	\$70,941,973	30	49.80
8	1/31/2017	\$115,559,568	\$81,215,074	31	44.11
9	2/28/2017	\$118,103,093	\$78,624,644	31	46.57
10	3/31/2017	\$130,367,921	\$74,687,262	30	52.37
11	4/30/2017	\$107,380,660	\$71,648,942	31	46.46
12	5/31/2017	\$98,025,976	\$61,012,495	30	48.20
13	6/30/2017	<u>\$116,877,253</u>	<u>\$69,852,314</u>	31	<u>51.87</u>
14		\$1,354,475,521	\$921,833,379		543.51
15					
16					/ 12 =
17	Average lag in days from date bill sent to				
18	customer to date bill is paid by customer				45.29
19					
20	Average lag in days from date meter is read				
21	to date bill is sent to customer (See Meter Reading Lag)				1.39
22	Service Lag				<u>15.21</u>
23	Average lag in days from date meter is read				
24	to date bill is paid by customer				<u>61.89</u>
25					
26					
27	Revenue Lag - annual percent				<u>16.91%</u>

Column Notes

- (a) Calendar Month
- (b) Per Company Books
- (c) Per Company Books
- (d) Number of days in a month
- (e) Column (b)/Column (c)x Column (d)

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements**

Summary of Purchased Power

<u>Line No.</u>	<u>Description</u>	<u>Reference</u>	<u>CWC %</u>
1	Net CWC Percent Lag	Line 7	16.91%
2	Total Payments in year		234,792,148
3	Total Weighted Dollar Days		4,574,683,579
4	Payment Lag Days	Line 3 / Line 2	(19.48)
5	Payment Lag Days as Percent of Year	Line 4 / 366	-5.34%
6	Revenue Lag Days Percent	Page 2, Line 23	10.93%
7	Net CWC Percent Lag	Line 6 + Line 5	16.91%

National Grid - Narragansett Electric Company
Cash Working Capital Requirements

Operating & Maintenance (O&M) Summary

Line No.	Cost Category	Intrastate		Lead Days (d)	Weighted Days (e) = (c) * (d)	Percentage Of total O&M	Expense Payment % (Lag)	Weighted Expense Payment %
		Amount (b)	(c)					
1	(a)	(b)	(c)	(d)	(e) = (c) * (d)			
2	Payroll-Weekly	\$17,677,598	\$17,677,598	(7.98)	(141,080,833)	12.61%	-2.18%	-0.27%
3	Payroll-Monthly	\$2,276,478	\$2,276,478	(6.58)	(14,979,226)	1.62%	-1.80%	-0.03%
4	Variable Pay	\$624,393	\$624,393	(252.50)	(157,659,153)	0.45%	0.00%	0.00%
4	Total Payroll	\$20,578,469	\$20,578,469					
5								
6	Service Company Billing	\$81,619,324	\$81,619,324	(20.18)	(1,647,077,956)	58%	-5.51%	-3.21%
7								
8	Other O&M	\$37,939,053	\$37,939,053	(19.48)	(739,052,755.35)	27.07%	-5.34%	-1.45%
9								
10	Total	\$140,136,846	\$140,136,846	(\$40)	(\$2,386,130,712)	100%		-4.96%
11								
12								
13	Other O&M (Adjusted)	144,101,530						
14	Payroll Expense	(20,578,469)						
15	Service Co. Billing	(81,619,324)						
16	Uncollectibles	(\$3,964,684)						
17								
18								
19	Other O&M	\$37,939,053						

**Temporary Disability Insurance - Monthly Payroll
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
Transmission Wheeling Expenses**

<u>Line No.</u>	<u>DAYS OF COST</u>	<u>ANNUAL PERCENT</u>	<u>REVENUE LAG %</u>	<u>CWC %</u>
1	(22.46)	-6.15%	16.91%	-10.59%

**Narragansett Electric Company
Summary of Transmission Wheeling Expense
For Twelve Months Ended June 30, 2017**

<u>Invoice No</u>	<u>Invoice Date</u>	<u>Amount (1)</u>	<u>Bill Type</u>	<u>% of Total</u>	<u>End of Service Period</u>	<u>Payment Date</u>	<u>Elapsed Days</u>	<u>Weighted Elapsed Days</u>	
1	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
2	Jul-16	\$123,764	Tbill	0.08%	30-Jun-16	21-Jul-16	21	0.02	
3		\$12,071,723	ISO bill	7.33%	30-Jun-16	25-Jul-16	25	1.83	46
4									
5									
6	Aug-16	\$1,598,703	Tbill	0.97%	31-Jul-16	22-Aug-16	22	0.21	
7		\$14,805,869	ISO bill	8.99%	31-Jul-16	22-Aug-16	22	1.98	44
8									
9									
10	Sep-16	(\$1,589,374)	Tbill	-0.97%	31-Aug-16	22-Sep-16	22	-0.21	
11		\$16,222,724	ISO bill	9.85%	31-Aug-16	26-Sep-16	26	2.56	48
12									
13									
14	Oct-16	\$1,633,240	Tbill	0.99%	30-Sep-16	21-Oct-16	21	0.21	
15		\$14,750,795	ISO bill	8.96%	30-Sep-16	24-Oct-16	24	2.15	45
16									
17	Nov-16	\$3,233,010	Tbill	1.96%	31-Oct-16	21-Nov-16	21	0.41	
18		\$9,218,701	ISO bill	5.60%	31-Oct-16	21-Nov-16	21	1.18	42
19									
20	Dec-16	\$2,583,662	Tbill	1.57%	30-Nov-16	22-Dec-16	22	0.35	
21		\$9,773,509	ISO bill	5.94%	30-Nov-16	19-Dec-16	19	1.13	41
22									
23	Jan-17	\$2,655,474	Tbill	1.61%	31-Dec-16	23-Jan-17	23	0.37	
24		\$11,013,938	ISO bill	6.69%	31-Dec-16	23-Jan-17	23	1.54	46
25									
26	Feb-17	\$2,574,288	Tbill	1.56%	31-Jan-17	21-Feb-17	21	0.33	
27		\$11,119,882	ISO bill	6.75%	31-Jan-17	20-Feb-17	20	1.35	41
28									
29	Mar-17	\$3,363,022	Tbill	2.04%	28-Feb-17	21-Mar-17	21	0.43	
30		\$9,798,299	ISO bill	5.95%	28-Feb-17	27-Mar-17	27	1.61	48
31									
32	Apr-17	\$2,555,108	Tbill	1.55%	31-Mar-17	21-Apr-17	21	0.33	
33		\$9,655,250	ISO bill	5.86%	31-Mar-17	24-Apr-17	24	1.41	45
34									
35	May-17	\$3,862,481	Tbill	2.35%	30-Apr-17	22-May-17	22	0.52	
36		\$8,849,074	ISO bill	5.38%	30-Apr-17	22-May-17	22	1.18	44
37									
38	Jun-17	\$3,069,446	Tbill	1.86%	31-May-17	23-Jun-17	23	0.43	
39		\$11,684,566	ISO bill	7.10%	31-May-17	26-Jun-17	26	1.85	49
40									
41	Total	<u>\$164,627,154</u>		<u>100%</u>				<u>23.14</u>	539
42									
43									
44		<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>				
45									
46		23.14	6.32%	16.91%	10.59%				

(1) Actual Transmission (Local & Regional), NEP and Eversource bills

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For the Twelve Months Ended June 30, 2017
Federal Income Taxes**

Line No.	Payment <u>Date 1/</u>	Days from <u>Service Period End</u>	Percent <u>Payment 1/</u>	Weighted Average Days From <u>Year End</u>
	(a)	(b)	(c)	(d)
1	7/15/2016	259	25.00%	64.75
2	9/15/2016	197	25.00%	49.25
3	12/15/2016	106	25.00%	26.50
4	3/15/2017	16	<u>25.00%</u>	4.00
5			<u>100.00%</u>	<u>144.50</u>
6				
7				
8				
9				
10				

<u>Service Period</u>	<u>Days from Year End</u>	<u>Average Days from Year End</u>
4/30/2017	335	
5/31/2017	304	
6/30/2017	274	
7/31/2017	243	
8/31/2017	212	
9/30/2017	182	
10/31/2017	151	
11/30/2017	121	
12/31/2017	90	
1/31/2018	59	
2/28/2018	31	
3/31/2018	0	
Average End of Service Period Date	<u>2.002</u> /12 =	<u>166.83</u>

32	Weighted Average Payment	144.50
33	Average Days from End of Service Period for Payment of FIT	<u>(166.83)</u>
34		<u>(22.33)</u>
35		
36		
37		
38	Day of	Customer
39	<u>Cost</u>	<u>Payment Lag %</u> <u>CWC %</u>
40		
41	(22.33)	-6.12% 12.75% 6.63%

1/ The Internal Revenue Service (Code Sec. 6655) requires estimated federal income tax payments, per this schedule, based on the fiscal year end.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
Assessments for Statement Year 2017
Municipal Taxes**

Line No.	Start	End	Average	Payment	Days From Service	Payment	Percentage of	Weighted Average
	Tax Year	Tax Year		Date	Period Ending	Amount	Total Amount	Days From Year End
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = (e) * (g)
1								
2	7/1/2016	6/30/2017	12/30/2016	7/31/2016	152	\$11,372,860	23.38%	35.54
3	7/1/2016	6/30/2017	12/30/2016	8/31/2016	121	\$1,803,228	3.71%	4.49
4	7/1/2016	6/30/2017	12/30/2016	9/30/2016	91	\$5,928,681	12.19%	11.09
5	7/1/2016	6/30/2017	12/30/2016	10/31/2016	60	\$3,997,165	8.22%	4.93
6	7/1/2016	6/30/2017	12/30/2016	11/30/2016	30	\$24,738,377	50.85%	15.26
7	7/1/2016	6/30/2017	12/30/2016	12/31/2016	(1)	\$4,156	0.01%	0.00
8	7/1/2017	6/30/2018	12/30/2017	1/31/2017	333	\$65,142	0.13%	0.43
9	7/1/2017	6/30/2018	12/30/2017	2/28/2017	305	(\$42,269)	-0.09%	(0.27)
10	7/1/2017	6/30/2018	12/30/2017	3/31/2017	274	\$0	0.00%	0.00
11	7/1/2017	6/30/2018	12/30/2017	4/30/2017	244	\$0	0.00%	0.00
12	7/1/2017	6/30/2018	12/30/2017	5/31/2017	213	\$80,773	0.17%	0.36
13	7/1/2017	6/30/2018	12/30/2017	6/30/2017	183	\$700,602	<u>1.44%</u>	<u>2.64</u>
14								
15				Total	<u>2005</u>	<u>\$48,648,715</u>	<u>100.0%</u>	<u>74.47</u>
16								
17								
18								
19				Weighted Payment Date From Year End				74.47
20				Average End of Service Period Date				<u>(167.08)</u>
21				Average days from end of Service Period date to payment of Municipal Taxes				<u>(92.61)</u>
22								
23								
24					Days of	Annual	Revenue	
25					<u>Cost</u>	<u>Percent</u>	<u>Lag %</u>	<u>CWC %</u>
26								
27					(92.61)	-25.30%	16.91%	42.21%

Column Notes

- (a) Beginning of the property tax fiscal year
- (b) End of the property tax fiscal year
- (c) Average (a) + (b)
- (d) Taxes payment date
- (e) Column (d) - Column (c)
- (f) Taxes Paid by Company
- (g) Payment Amount/Total Paid for the year
- (h) Column (e) * Column (g)

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
Sales and Use Tax**

Line No.	Liability Date 1/ (a)	Liability Paid 2/ (b)	% of Total (c)	Liability Date 1/ (d)	Payment Date 2/ (e)	Payment Lag Days (f)	Weighted Payment Lag Days (g)
1	7/15/2016	\$5	0.36%	7/15/2016	7/31/2016	16	0.06
2	8/15/2016	41	2.94%	8/15/2016	8/31/2016	16	0.47
3	9/15/2016	111	7.95%	9/15/2016	9/30/2016	15	1.19
4	10/15/2016	184	13.17%	10/15/2016	10/31/2016	16	2.11
5	11/15/2016	29	2.08%	11/15/2016	11/30/2016	15	0.31
6	12/15/2016	9	0.62%	12/15/2016	12/31/2016	16	0.10
7	1/15/2017	96	6.91%	1/15/2017	1/31/2017	16	1.11
8	2/15/2017	88	6.33%	2/15/2017	2/28/2017	13	0.82
9	3/15/2017	33	2.38%	3/15/2017	3/31/2017	16	0.38
10	4/15/2017	188	13.46%	4/15/2017	4/30/2017	15	2.02
11	5/15/2017	94	6.73%	5/15/2017	5/31/2017	16	1.08
12	6/15/2017	<u>517</u>	37.07%	6/15/2017	6/30/2017	15	5.56
13							
14		<u>\$1,395</u>	<u>100.00%</u>				<u>15.21</u>
15							
16							
17			Customer				
18	Days of	Annual	Payment				
19	<u>Cost</u>	<u>Percent</u>	<u>Lag %</u>	<u>CWC %</u>			
20							
21	(15.21)	-4.17%	12.75%	8.58%			

1/ Sales and use tax liability is comprised primarily of sales tax collected from customers on taxable sales each month. These taxable sales are reported on a calendar month basis with the liability for each calendar month payable by the 20th of the following calendar month. Since these taxable sales are spread uniformly throughout the month, the average liability date for sales tax liability is assumed to be the 15th of each calendar month. In addition to sales tax, a minor amount of use tax is paid on taxable purchases from vendors. These amounts are individually small and are also incurred uniformly throughout the month. Accordingly, the average date vendor invoices are received (i.e. 15th of the month as assumed elsewhere in this study) is used as the average liability date for use tax in each calendar month. Since the average liability and payment dates for sales and use tax are the same, both are combined in the above analysis.

2/ Rhode Island law (Sec. 44-19) requires monthly reporting and payment of sales and use tax. The return for sales and use tax liability for the month, and payment of the entire liability for that month are due no later than the 20th of the following month. Rhode Island law (Sec. 44-1) states that liability and payment dates that fall upon a Saturday, Sunday, or legal holiday are extended by law to the next business day. Also under this Sec., payments are considered timely with evidence of mailing on or before the due date.

Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
Gross Earnings Tax

Line No.	Gross Earnings Tax Payment Date ^{1/}	Days From Service Period	Percent Payment ^{1/}	Payment Amount	Weighted Average Days from Year End
1	3/15/2017	291	33.93%	\$3,146,634	98.74
2	6/15/2017	199	0.00%	\$0	0.00
3	9/15/2017	107	66.07%	\$6,126,967	70.69
4	3/15/2018	(74)	0.00%	<u>\$0</u>	0.00
5			<u>100.00%</u>	\$9,273,601 ^{2/}	<u>169.43</u>

Service Period	Days from Year end	Average Days from Year end
1/31/2017	334	
2/28/2017	306	
3/31/2017	275	
4/30/2017	245	
5/31/2017	214	
6/30/2017	184	
7/31/2017	153	
8/31/2017	122	
9/30/2017	92	
10/31/2017	61	
11/30/2017	31	
12/31/2017	0	
Average End of Service Period Date	<u>2,017</u> /12 =	<u>168.08</u>

Weighted Average Payment Days from Year End	169.43
Average Days from End of Service Period for Payment of Gross Earnings Tax	<u>(168.08)</u>
	<u>1.35</u>

Days of Cost	Annualized Percent	Customer Payment Lag %	CWC %
1.35	0.37%	13.64%	14.01%

^{1/} Rhode Island law (Sec. 44-26) requires the payment of estimated Corporate Gross Earnings Tax (GET) during the tax year. This code section also stipulates the above payment dates and minimum payment percentages. Code Sec. 44-1 extends the required payment dates that fall upon a Saturday, Sunday or legal holiday, to the next business day. Finally, payments are considered timely under Sec. 44-1 with evidence of mailing on or before the required date. The Company pays 40% of 85% of its prior year GET on March 15 and 60% of 85% of its prior year GET on June 15. Any remaining tax due for the calendar year is paid with its GET return on February 28 of the subsequent year.

^{2/} Because Gross receipts taxes are collected and remitted on a calendar year basis, this amount reflects gross receipts tax accrual for the twelve months ended March 15, 2018

National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
Federal Unemployment Tax

<u>Line No.</u>	<u>Pay Period</u> <u>Begin</u>	<u>Pay Period</u> <u>End</u>	<u>Midpoint</u> <u>(c)</u>	<u>Liability</u> <u>Amount</u> <u>(d)</u>	<u>Percentage of</u> <u>Total O&M</u> <u>(e)</u>	<u>Payment</u> <u>Date (2)</u> <u>(f)</u>	<u>Payment</u> <u>Lag in Days</u> <u>(g) = (f) - (c)</u>	<u>Weighted</u> <u>Payment</u> <u>Lag in Days</u> <u>(h) = (e) * (g)</u>
1								
2	7/1/2016	7/31/2016	7/16/2016	\$144	0.83%	10/15/2016	91	0.76
3	8/1/2016	8/31/2016	8/16/2016	\$70	0.40%	10/15/2016	60	0.24
4	9/1/2016	9/30/2016	9/15/2016	\$101	0.58%	10/15/2016	30	0.17
5	10/1/2016	10/31/2016	10/16/2016	\$91	0.52%	1/15/2017	91	0.47
6	11/1/2016	11/30/2016	11/15/2016	\$0	0.00%	1/15/2017	61	0.00
7	12/1/2016	12/31/2016	12/16/2016	\$41	0.23%	1/15/2017	30	0.07
8	1/1/2017	1/31/2017	1/16/2017	\$14,335	82.42%	4/15/2017	89	73.35
9	2/1/2017	2/28/2017	2/14/2017	\$1,543	8.87%	4/15/2017	60	5.28
10	3/1/2017	3/31/2017	3/16/2017	\$194	1.11%	4/15/2017	30	0.33
11	4/1/2017	4/30/2017	4/15/2017	\$213	1.23%	7/15/2017	91	1.11
12	5/1/2017	5/31/2017	5/16/2017	\$261	1.50%	7/15/2017	60	0.90
13	6/1/2017	6/30/2017	6/15/2017	\$400	2.30%	7/15/2017	30	0.68
14								
15				<u>\$17,392</u>	<u>100.0%</u>			<u>83.36</u>
16								
17								
18				<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19				83.36	22.78%	16.91%	-5.87%	
20								

1/ For the purposes of this calculation, the weighted average liability date is deemed to be the 15th of each month. This is based on the fact that on average, salaries and wages (and the corresponding unemployment tax liabilities) accrue evenly throughout the month as employee hours are worked.

2/ IRS Code Sec. 3301 stipulates quarterly payment of unemployment tax liability. 100% of the liability for each quarter must be paid by the last day of the first month following that quarter.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
State Unemployment Tax**

<u>Line No.</u>	<u>Pay Period Begin</u> (a)	<u>Pay Period End</u> (b)	<u>Midpoint</u> (c)	<u>Liability Amount</u> (d)	<u>Percentage of Total O&M</u> (e)	<u>Payment Date (2)</u> (f)	<u>Payment Lag in Days</u> (g) = (f) - (c)	<u>Weighted Payment Lag in Days</u> (h) = (g) * (e)
1								
2	7/1/2016	7/31/2016	7/16/2016	\$1,971	0.93%	10/15/2016	91	0.85
3	8/1/2016	8/31/2016	8/16/2016	\$1,213	0.57%	10/15/2016	60	0.34
4	9/1/2016	9/30/2016	9/15/2016	\$1,582	0.75%	10/15/2016	30	0.22
5	10/1/2016	10/31/2016	10/16/2016	\$1,350	0.64%	1/15/2017	91	0.58
6	11/1/2016	11/30/2016	11/15/2016	\$726	0.34%	1/15/2017	61	0.21
7	12/1/2016	12/31/2016	12/16/2016	\$730	0.35%	1/15/2017	30	0.11
8	1/1/2017	1/31/2017	1/16/2017	\$50,805	24.01%	4/15/2017	89	21.37
9	2/1/2017	2/28/2017	2/14/2017	\$60,430	28.56%	4/15/2017	60	16.99
10	3/1/2017	3/31/2017	3/16/2017	\$37,203	17.58%	4/15/2017	30	5.27
11	4/1/2017	4/30/2017	4/15/2017	\$9,469	4.48%	7/15/2017	91	4.05
12	5/1/2017	5/31/2017	5/16/2017	\$44,389	20.98%	7/15/2017	60	12.59
13	6/1/2017	6/30/2017	6/15/2017	<u>\$1,709</u>	<u>0.81%</u>	7/15/2017	30	<u>0.24</u>
14								
15				<u>\$211,577</u>	<u>100.00%</u>			<u>62.82</u>
16								
17								
18				<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19								
20				62.82	17.16%	16.91%	-0.25%	

1/ For the purposes of this calculation, the weighted average liability date is deemed to be the 15th of each month. This is based on the fact that on average, salaries and wages (and the corresponding unemployment tax liabilities) accrue evenly throughout the month as employee hours are worked.

2/ Rhode Island law (Sec. 28-42 through 28-44) stipulates quarterly payment of unemployment tax liability. 100% of the liability for each quarter must be paid by the last day of the first month following that quarter.

National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
FICA Expense - Weekly Payroll

Line No.	Amount Paid (a)	Percentage of Total Amount (b)	Pay Period Begin (c)	Pay Period End (d)	Midpoint (e)	Payment Date (f)	Payment Lag in Days (g) = (d) - (c)	Weighted Payment Lag in Days (h) = (b) * (e)
1								
2	\$53,233	2.19%	6/26/2016	7/2/2016	6/29/2016	7/7/2016	8	0.18
3	\$48,672	2.00%	7/3/2016	7/9/2016	7/6/2016	7/14/2016	8	0.16
4	\$47,098	1.93%	7/10/2016	7/16/2016	7/13/2016	7/21/2016	8	0.15
5	\$51,671	2.12%	7/17/2016	7/23/2016	7/20/2016	7/28/2016	8	0.17
6	\$49,392	2.03%	7/24/2016	7/30/2016	7/27/2016	8/4/2016	8	0.16
7	\$48,604	2.00%	7/31/2016	8/6/2016	8/3/2016	8/11/2016	8	0.16
8	\$53,919	2.21%	8/7/2016	8/13/2016	8/10/2016	8/18/2016	8	0.18
9	\$52,949	2.17%	8/14/2016	8/20/2016	8/17/2016	8/25/2016	8	0.17
10	\$48,042	1.97%	8/21/2016	8/27/2016	8/24/2016	9/1/2016	8	0.16
11	\$42,077	1.73%	8/28/2016	9/3/2016	8/31/2016	9/8/2016	8	0.14
12	\$63,643	2.61%	9/4/2016	9/10/2016	9/7/2016	9/15/2016	8	0.21
13	\$45,000	1.85%	9/11/2016	9/17/2016	9/14/2016	9/22/2016	8	0.15
14	\$40,577	1.67%	9/18/2016	9/24/2016	9/21/2016	9/29/2016	8	0.13
15	\$37,313	1.53%	9/25/2016	10/1/2016	9/28/2016	10/6/2016	8	0.12
16	\$38,463	1.58%	10/2/2016	10/8/2016	10/5/2016	10/13/2016	8	0.13
17	\$39,283	1.61%	10/9/2016	10/15/2016	10/12/2016	10/20/2016	8	0.13
18	\$38,347	1.57%	10/16/2016	10/22/2016	10/19/2016	10/27/2016	8	0.13
19	\$38,657	1.59%	10/23/2016	10/29/2016	10/26/2016	11/3/2016	8	0.13
20	\$36,104	1.48%	10/30/2016	11/5/2016	11/2/2016	11/10/2016	8	0.12
21	\$36,053	1.48%	11/6/2016	11/12/2016	11/9/2016	11/17/2016	8	0.12
22	\$32,006	1.31%	11/13/2016	11/19/2016	11/16/2016	11/23/2016	7	0.09
23	\$37,134	1.53%	11/20/2016	11/26/2016	11/23/2016	12/1/2016	8	0.12
24	\$33,538	1.38%	11/27/2016	12/3/2016	11/30/2016	12/8/2016	8	0.11
25	\$29,411	1.21%	12/4/2016	12/10/2016	12/7/2016	12/15/2016	8	0.10
26	\$30,306	1.24%	12/11/2016	12/17/2016	12/14/2016	12/22/2016	8	0.10
27	\$23,615	0.97%	12/18/2016	12/24/2016	12/21/2016	12/29/2016	8	0.08
28	\$56,435	2.32%	12/25/2016	12/31/2016	12/28/2016	1/5/2017	8	0.19
29	\$48,482	1.99%	1/1/2017	1/7/2017	1/4/2017	1/12/2017	8	0.16
30	\$47,472	1.95%	1/8/2017	1/14/2017	1/11/2017	1/19/2017	8	0.16
31	\$46,777	1.92%	1/15/2017	1/21/2017	1/18/2017	1/26/2017	8	0.15
32	\$55,068	2.26%	1/22/2017	1/28/2017	1/25/2017	2/2/2017	8	0.18
33	\$67,536	2.77%	1/29/2017	2/4/2017	2/1/2017	2/9/2017	8	0.22
34	\$65,072	2.67%	2/5/2017	2/11/2017	2/8/2017	2/16/2017	8	0.21
35	\$57,588	2.37%	2/12/2017	2/18/2017	2/15/2017	2/23/2017	8	0.19
36	\$49,160	2.02%	2/19/2017	2/25/2017	2/22/2017	3/2/2017	8	0.16
37	\$60,122	2.47%	2/26/2017	3/4/2017	3/1/2017	3/9/2017	8	0.20
38	\$64,433	2.65%	3/5/2017	3/11/2017	3/8/2017	3/16/2017	8	0.21
39	\$65,000	2.67%	3/12/2017	3/18/2017	3/15/2017	3/23/2017	8	0.21
40	\$49,902	2.05%	3/19/2017	3/25/2017	3/22/2017	3/30/2017	8	0.16
41	\$50,304	2.07%	3/26/2017	4/1/2017	3/29/2017	4/6/2017	8	0.17
42	\$49,392	2.03%	4/2/2017	4/8/2017	4/5/2017	4/13/2017	8	0.16
43	\$44,751	1.84%	4/9/2017	4/15/2017	4/12/2017	4/20/2017	8	0.15
44	\$50,561	2.08%	4/16/2017	4/22/2017	4/19/2017	4/27/2017	8	0.17
45	\$41,288	1.70%	4/23/2017	4/29/2017	4/26/2017	5/4/2017	8	0.14
46	\$49,995	2.05%	4/30/2017	5/6/2017	5/3/2017	5/11/2017	8	0.16
47	\$46,290	1.90%	5/7/2017	5/13/2017	5/10/2017	5/18/2017	8	0.15
48	\$46,421	1.91%	5/14/2017	5/20/2017	5/17/2017	5/25/2017	8	0.15
49	\$42,430	1.74%	5/21/2017	5/27/2017	5/24/2017	6/1/2017	8	0.14
50	\$47,290	1.94%	5/28/2017	6/3/2017	5/31/2017	6/8/2017	8	0.16
51	\$45,355	1.86%	6/4/2017	6/10/2017	6/7/2017	6/15/2017	8	0.15
52	\$45,146	1.85%	6/11/2017	6/17/2017	6/14/2017	6/22/2017	8	0.15
53	\$47,469	1.95%	6/18/2017	6/24/2017	6/21/2017	6/29/2017	8	0.16
54								
55	\$2,434,845	100.0%						8.01
56								
57								
58		Days of Cost	Annual Percent	Revenue Lag %	CWC %			
59								
60		8.01	2.19%	16.91%	14.72%			

1/ Payment of FICA expense is governed by the same rules as the other components of Federal payroll tax deposits. See notes on monthly FICA and FIT withholding.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017
FICA Expense - Monthly Payroll**

<u>Line No.</u>	<u>Amount Paid</u> (a)	<u>Percentage of Total Amount</u> (b)	<u>Pay Period Begin</u> (c)	<u>Pay Period End</u> (d)	<u>Midpoint</u> (e)	<u>Payment Date</u> (f)	<u>Payment Lag in Days</u> (g) = (f) - (e)	<u>Weighted Payment Lag in Days</u> (h) = (g) * (b)
1								
2	\$31,404	8.76%	7/1/2016	7/31/2016	7/16/2016	7/21/2016	5	0.44
3	\$28,095	7.84%	8/1/2016	8/31/2016	8/16/2016	8/19/2016	3	0.24
4	\$24,742	6.90%	9/1/2016	9/30/2016	9/15/2016	9/21/2016	6	0.38
5	\$19,955	5.57%	10/1/2016	10/31/2016	10/16/2016	10/21/2016	5	0.28
6	\$16,663	4.65%	11/1/2016	11/30/2016	11/15/2016	11/21/2016	6	0.26
7	\$17,786	4.96%	12/1/2016	12/31/2016	12/16/2016	12/21/2016	5	0.25
8	\$34,512	9.63%	1/1/2017	1/31/2017	1/16/2017	1/20/2017	4	0.39
9	\$39,791	11.10%	2/1/2017	02/29/2017	2/1/2017	2/28/2017	27	3.00
10	\$39,689	11.07%	3/1/2017	3/31/2017	3/16/2017	3/21/2017	5	0.55
11	\$36,176	10.09%	4/1/2017	4/30/2017	4/15/2017	4/21/2017	6	0.56
12	\$36,620	10.22%	5/1/2017	5/31/2017	5/16/2017	5/19/2017	3	0.31
13	<u>\$32,980</u>	<u>9.20%</u>	6/1/2017	6/30/2017	6/15/2017	6/21/2017	6	<u>0.51</u>
14								
15	<u>\$358,414</u>	<u>100.00%</u>						<u>7.14</u>
16								
17								
18		<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>			
19								
20		7.14	1.95%	16.91%	14.96%			

1/ Payroll dates are the actual dates on which payroll was paid.

2/ Payment of FICA expense is governed by the same rules as the other components of Federal payroll tax deposits (see notes on monthly FICA and Federal Income Tax withholding).

3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

Employee FIT and FICA Withholding - Weekly Payroll

<u>Line No.</u>	<u>Withholding Amount</u> (a)	<u>Percentage of Total Amount</u> (b)	<u>Payroll Date (1)</u> (c)	<u>Payment Date</u> (d)	<u>Payment Lag in Days</u> (e) = (d) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (b) * (e)
1						
2	\$162,256	2.03%	7/7/2016	7/6/2016	-1	-0.02
3	\$143,465	1.79%	7/14/2016	7/13/2016	-1	-0.02
4	\$145,495	1.82%	7/21/2016	7/20/2016	-1	-0.02
5	\$158,510	1.98%	7/28/2016	7/27/2016	-1	-0.02
6	\$153,415	1.92%	8/4/2016	8/3/2016	-1	-0.02
7	\$151,798	1.90%	8/11/2016	8/10/2016	-1	-0.02
8	\$199,308	2.49%	8/18/2016	8/17/2016	-1	-0.02
9	\$171,210	2.14%	8/25/2016	8/24/2016	-1	-0.02
10	\$152,290	1.90%	9/1/2016	8/31/2016	-1	-0.02
11	\$132,906	1.66%	9/8/2016	9/7/2016	-1	-0.02
12	\$226,252	2.83%	9/15/2016	9/14/2016	-1	-0.03
13	\$152,551	1.91%	9/22/2016	9/21/2016	-1	-0.02
14	\$136,629	1.71%	9/29/2016	9/28/2016	-1	-0.02
15	\$123,620	1.54%	10/6/2016	10/5/2016	-1	-0.02
16	\$158,041	1.97%	10/13/2016	10/12/2016	-1	-0.02
17	\$144,159	1.80%	10/20/2016	10/19/2016	-1	-0.02
18	\$142,266	1.78%	10/27/2016	10/26/2016	-1	-0.02
19	\$149,490	1.87%	11/3/2016	11/2/2016	-1	-0.02
20	\$140,298	1.75%	11/10/2016	11/9/2016	-1	-0.02
21	\$143,574	1.79%	11/17/2016	11/16/2016	-1	-0.02
22	\$145,441	1.82%	11/23/2016	11/22/2016	-1	-0.02
23	\$168,441	2.10%	12/1/2016	11/30/2016	-1	-0.02
24	\$147,187	1.84%	12/8/2016	12/7/2016	-1	-0.02
25	\$132,488	1.66%	12/15/2016	12/14/2016	-1	-0.02
26	\$161,738	2.02%	12/22/2016	12/21/2016	-1	-0.02
27	\$105,178	1.31%	12/29/2016	12/28/2016	-1	-0.01
28	\$169,414	2.12%	1/5/2017	1/4/2017	-1	-0.02
29	\$142,458	1.78%	1/12/2017	1/11/2017	-1	-0.02
30	\$139,206	1.74%	1/19/2017	1/18/2017	-1	-0.02
31	\$136,095	1.70%	1/26/2017	1/25/2017	-1	-0.02
32	\$165,134	2.06%	2/2/2017	2/1/2017	-1	-0.02
33	\$223,795	2.80%	2/9/2017	2/8/2017	-1	-0.03
34	\$204,005	2.55%	2/16/2017	2/15/2017	-1	-0.03
35	\$175,978	2.20%	2/23/2017	2/22/2017	-1	-0.02
36	\$146,667	1.83%	3/2/2017	3/1/2017	-1	-0.02
37	\$185,935	2.32%	3/9/2017	3/8/2017	-1	-0.02
38	\$203,557	2.54%	3/16/2017	3/15/2017	-1	-0.03
39	\$204,285	2.55%	3/23/2017	3/22/2017	-1	-0.03
40	\$149,609	1.87%	3/30/2017	3/29/2017	-1	-0.02
41	\$150,918	1.89%	4/6/2017	4/5/2017	-1	-0.02
42	\$146,592	1.83%	4/13/2017	4/12/2017	-1	-0.02
43	\$131,959	1.65%	4/20/2017	4/19/2017	-1	-0.02
44	\$155,603	1.94%	4/27/2017	4/26/2017	-1	-0.02
45	\$122,119	1.53%	5/4/2017	5/3/2017	-1	-0.02
46	\$151,107	1.89%	5/11/2017	5/10/2017	-1	-0.02
47	\$138,651	1.73%	5/18/2017	5/17/2017	-1	-0.02
48	\$136,892	1.71%	5/25/2017	5/24/2017	-1	-0.02
49	\$123,283	1.54%	6/1/2017	5/31/2017	-1	-0.02
50	\$141,415	1.77%	6/8/2017	6/7/2017	-1	-0.02
51	\$132,721	1.66%	6/15/2017	6/14/2017	-1	-0.02
52	\$134,133	1.68%	6/22/2017	6/21/2017	-1	-0.02
53	\$143,988	1.80%	6/29/2017	6/28/2017	-1	-0.02
54						
55	<u>\$8,003,525</u>	<u>100.00%</u>				<u>(1.00)</u>
56						
57				Annual CWC %		<u>-0.27%</u>
58						
59						
60						

1/ Payroll dates are the actual dates on which payroll was paid.
2/ See monthly federal withholding for federal deposit rules.
3/ Withholding dollars exclude minor monthly amounts for manual checks to weekly employees, small in amount and not generally associated with specific payroll dates.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

Employee FIT and FICA Withholding - Monthly Payroll

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u>	<u>Weighted Payment Lag in Days</u>
	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
1						
2	93,808	7.75%	7/21/2016	7/15/2016	-6	-0.46
3	88,516	7.31%	8/19/2016	8/12/2016	-7	-0.51
4	95,887	7.92%	9/21/2016	9/17/2016	-4	-0.32
5	95,013	7.85%	10/21/2016	10/15/2016	-6	-0.47
6	83,340	6.88%	11/21/2016	11/13/2016	-8	-0.55
7	93,427	7.72%	12/21/2016	12/16/2016	-5	-0.39
8	100,192	8.28%	1/20/2017	1/13/2017	-7	-0.58
9	120,931	9.99%	2/28/2017	2/20/2017	-8	-0.80
10	120,019	9.91%	3/21/2017	3/15/2017	-6	-0.59
11	106,494	8.80%	4/21/2017	4/13/2017	-8	-0.70
12	107,549	8.88%	5/19/2017	5/14/2017	-5	-0.44
13	105,599	<u>8.72%</u>	6/21/2017	6/15/2017	-6	<u>-0.52</u>
14						
15	<u>1,210,777</u>	<u>100%</u>				<u>(6.33)</u>
16						
17				Annual CWC %		<u>-1.73%</u>
18						
19						
20						
21						
22						
23						

- 1/ Payroll dates are the actual dates on which payroll was paid.
- 2/ The IRS Code stipulates payment of all withheld FICA and Federal Income Tax within one banking day under the \$100,000 One-Day Rule. 100% of the withholding must be deposited in a Federal Depository Bank within one day of the date payments are made. Payment due dates which fall upon a Saturday, Sunday, or holiday (i.e. non-banking day) are extended until the next banking day.
- 3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated above.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

State Income Tax Withholding - Weekly Payroll

<u>Line No.</u>	<u>Withholding Amount</u> (a)	<u>Percentage of Total Amount</u> (b)	<u>Payroll Date (1)</u> (c)	<u>Payment Date</u> (d)	<u>Payment Lag in Days</u> (e) = (d) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (b) * (e)
1						
2	\$27,022	2.07%	7/7/2016	7/6/2016	-1	-0.02
3	\$23,606	1.81%	7/14/2016	7/13/2016	-1	-0.02
4	\$23,503	1.80%	7/21/2016	7/20/2016	-1	-0.02
5	\$25,883	1.98%	7/28/2016	7/27/2016	-1	-0.02
6	\$25,068	1.92%	8/4/2016	8/3/2016	-1	-0.02
7	\$24,817	1.90%	8/11/2016	8/10/2016	-1	-0.02
8	\$30,534	2.34%	8/18/2016	8/17/2016	-1	-0.02
9	\$28,248	2.17%	8/25/2016	8/24/2016	-1	-0.02
10	\$25,248	1.94%	9/1/2016	8/31/2016	-1	-0.02
11	\$22,268	1.71%	9/8/2016	9/7/2016	-1	-0.02
12	\$37,731	2.89%	9/15/2016	9/14/2016	-1	-0.03
13	\$25,641	1.97%	9/22/2016	9/21/2016	-1	-0.02
14	\$23,281	1.79%	9/29/2016	9/28/2016	-1	-0.02
15	\$21,263	1.63%	10/6/2016	10/5/2016	-1	-0.02
16	\$26,014	1.99%	10/13/2016	10/12/2016	-1	-0.02
17	\$25,080	1.92%	10/20/2016	10/19/2016	-1	-0.02
18	\$24,967	1.91%	10/27/2016	10/26/2016	-1	-0.02
19	\$26,425	2.03%	11/3/2016	11/2/2016	-1	-0.02
20	\$24,901	1.91%	11/10/2016	11/9/2016	-1	-0.02
21	\$25,611	1.96%	11/17/2016	11/16/2016	-1	-0.02
22	\$26,883	2.06%	11/23/2016	11/22/2016	-1	-0.02
23	\$30,810	2.36%	12/1/2016	11/30/2016	-1	-0.02
24	\$26,856	2.06%	12/8/2016	12/7/2016	-1	-0.02
25	\$24,404	1.87%	12/15/2016	12/14/2016	-1	-0.02
26	\$30,421	2.33%	12/22/2016	12/21/2016	-1	-0.02
27	\$19,962	1.53%	12/29/2016	12/28/2016	-1	-0.02
28	\$27,412	2.10%	1/5/2017	1/4/2017	-1	-0.02
29	\$23,097	1.77%	1/12/2017	1/11/2017	-1	-0.02
30	\$22,585	1.73%	1/19/2017	1/18/2017	-1	-0.02
31	\$22,064	1.69%	1/26/2017	1/25/2017	-1	-0.02
32	\$26,606	2.04%	2/2/2017	2/1/2017	-1	-0.02
33	\$37,993	2.91%	2/9/2017	2/8/2017	-1	-0.03
34	\$32,521	2.49%	2/16/2017	2/15/2017	-1	-0.02
35	\$28,266	2.17%	2/23/2017	2/22/2017	-1	-0.02
36	\$23,646	1.81%	3/2/2017	3/1/2017	-1	-0.02
37	\$29,679	2.28%	3/9/2017	3/8/2017	-1	-0.02
38	\$32,403	2.48%	3/16/2017	3/15/2017	-1	-0.02
39	\$32,606	2.50%	3/23/2017	3/22/2017	-1	-0.03
40	\$23,932	1.84%	3/30/2017	3/29/2017	-1	-0.02
41	\$24,349	1.87%	4/6/2017	4/5/2017	-1	-0.02
42	\$23,682	1.82%	4/13/2017	4/12/2017	-1	-0.02
43	\$21,331	1.64%	4/20/2017	4/19/2017	-1	-0.02
44	\$24,627	1.89%	4/27/2017	4/26/2017	-1	-0.02
45	\$19,795	1.52%	5/4/2017	5/3/2017	-1	-0.02
46	\$24,371	1.87%	5/11/2017	5/10/2017	-1	-0.02
47	\$22,355	1.71%	5/18/2017	5/17/2017	-1	-0.02
48	\$22,187	1.70%	5/25/2017	5/24/2017	-1	-0.02
49	\$20,098	1.54%	6/1/2017	5/31/2017	-1	-0.02
50	\$22,834	1.75%	6/8/2017	6/7/2017	-1	-0.02
51	\$21,411	1.64%	6/15/2017	6/14/2017	-1	-0.02
52	\$21,606	1.66%	6/22/2017	6/21/2017	-1	-0.02
53	\$23,194	1.78%	6/29/2017	6/28/2017	-1	-0.02
54						
55	<u>\$1,304,076</u>	<u>100.00%</u>				<u>-1.07</u>
56						
57				Annual CWC %		<u>0.29%</u>

1/ Payroll dates are the actual dates on which payroll was paid.
2/ Rhode Island law (Sec. 44-30) stipulates payment of all withheld State Income Tax within three banking days after the end of each quarter-monthly liability period. 100% of the withholding on all payroll paid during each quarter-monthly period must be paid no later than the third banking day after the end of that period. Under Sec. 44-1, payment due dates which fall upon Saturday, Sunday, or a legal holiday, are extended until the next banking day. In addition, payment is considered timely with evidence of mailing by the due date.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

State Income Tax Withholding - Monthly Payroll

<u>Line No.</u>	<u>Withholding Amount</u> (a)	<u>Percentage of Total Amount</u> (b)	<u>Payroll Date (1)</u> (c)	<u>Payment Date</u> (d)	<u>Payment Lag in Days</u> (e) = (d) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (b) * (e)
1						
2	\$15,867	7.63%	7/21/2016	7/15/2016	-6	-0.46
3	\$15,269	7.34%	8/19/2016	8/12/2016	-7	-0.51
4	\$17,610	8.47%	9/21/2016	9/17/2016	-4	-0.34
5	\$18,029	8.67%	10/21/2016	10/15/2016	-6	-0.52
6	\$16,452	7.91%	11/21/2016	11/13/2016	-8	-0.63
7	\$18,308	8.81%	12/21/2016	12/16/2016	-5	-0.44
8	\$16,462	7.92%	1/20/2017	1/13/2017	-7	-0.55
9	\$19,726	9.49%	2/28/2017	2/20/2017	-8	-0.76
10	\$19,554	9.41%	3/21/2017	3/15/2017	-6	-0.56
11	\$17,206	8.28%	4/21/2017	4/13/2017	-8	-0.66
12	\$17,377	8.36%	5/19/2017	5/14/2017	-5	-0.42
13	<u>\$16,029</u>	<u>7.71%</u>	6/21/2017	6/15/2017	-6	<u>-0.46</u>
14						
15	<u>\$207,890</u>	<u>100.0%</u>				<u>-6.31</u>
16						
17						
18				Annual CWC %		<u>1.72%</u>

1/ Payroll dates are the actual dates on which payroll was paid

2/ Rhode Island law (Sec. 44-30) stipulates payment of all withheld State Income Tax within three banking days after the end of each quarter-monthly liability period. 100% of the withholding on all payroll paid during each quarter-monthly period must be paid no later than the third banking day after the end of that period. Under Sec. 44-1, payment due dates which fall upon Saturday, Sunday, or a legal holiday, are extended until the next banking day. In addition, payment is considered timely with evidence of mailing by the due date.

Notes:

Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated on the attached schedules. This schedule simply summarizes these two separate calculations.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

Temporary Disability Insurance - Weekly Payroll

Line No.	Withholding Amount (a)	% of Total (b)	Liability Date 1/ (c)	Payment Date 2/ (d)	Payment Lag in Days (e)	Weighted Payment Lag in Days (f)
1	\$19,035	6.81%	7/15/2016	10/31/2016	108	7.35
2	14,540	5.20%	8/15/2016	10/31/2016	77	4.00
3	13,228	4.73%	9/15/2016	10/31/2016	46	2.18
4	6,532	2.34%	10/15/2016	1/31/2017	108	2.53
5	4,886	1.75%	11/15/2016	1/31/2017	77	1.35
6	4,562	1.63%	12/15/2016	1/31/2017	47	0.77
7	27,389	9.80%	1/15/2017	4/30/2017	105	10.29
8	34,289	12.27%	2/15/2017	4/30/2017	74	9.08
9	39,837	14.26%	3/15/2017	4/30/2017	46	6.56
10	26,791	9.59%	4/15/2017	7/31/2017	107	10.26
11	24,708	8.84%	5/15/2017	7/31/2017	77	6.81
12	<u>63,628</u>	22.77%	6/15/2017	7/31/2017	46	10.47
13						
14	<u>\$279,426</u>	<u>100.00%</u>				<u>71.65</u>
15						
16						
17						
18					CWC %	<u>-19.63%</u>

1/ For the purposes of this calculation, the weighted average liability (withholding) date is deemed to be the 15th of each month. This is based on the fact that on average, weekly salaries and wages (and the corresponding Temp. Disability Ins. liabilities) accrue evenly throughout the month as employee hours are worked.

2/ Rhode Island's Temporary Disability Insurance Act (Title 28 of R.I. law) stipulates quarterly payment of Temporary Disability Insurance withheld. 100% of the liability for each quarter must be paid by the last day of the first month after that quarter ends. Under Sec. 44-1, payment dates which fall upon a Saturday, Sunday or legal holiday are extended to the next business day. Payments are considered timely with evidence of mailing by the required date.

**National Grid - Narragansett Electric Company
Cash Working Capital Requirements
For The Twelve Months Ended June 30, 2017**

Temporary Disability Insurance - Monthly Payroll

Line No.	Withholding Amount (a)	% of Total (b)	Payroll Date (c)	Payment Date (d)	Payment Lag in Days (e)	Weighted Payment Lag in Days (f)
1	\$1,654	5.07%	7/21/2016	10/31/2016	102	5.17
2	1,017	3.12%	8/19/2016	10/31/2016	73	2.28
3	704	2.16%	9/21/2016	10/31/2016	40	0.86
4	500	1.53%	10/21/2016	1/31/2017	102	1.56
5	443	1.36%	11/21/2016	1/31/2017	71	0.97
6	491	1.51%	12/21/2016	1/31/2017	41	0.62
7	4,698	14.41%	1/20/2017	4/30/2017	100	14.41
8	5,482	16.82%	2/28/2017	4/30/2017	61	10.26
9	5,456	16.74%	3/21/2017	4/30/2017	40	6.70
10	4,913	15.07%	4/21/2017	7/31/2017	101	15.22
11	4,928	15.12%	5/19/2017	7/31/2017	73	11.04
12	2,309	7.08%	6/21/2017	7/31/2017	40	2.83
19						
20	<u>\$32,595</u>	<u>\$1</u>				<u>71.92</u>
21						
22						
23						
24				Annual CWC %		<u>-19.70%</u>

1/ Payroll dates are the actual dates on which payroll was paid.

2/ Rhode Island's Temporary Disability Insurance Act (Title 28 of R.I. law) stipulates quarterly payment of Temporary Disability Insurance withheld. 100% of the liability for each quarter must be paid by the last day of the first month after that quarter ends. Under Sec. 44-1, payment dates which fall upon a Saturday, Sunday or legal holiday are extended to the next business day. Payments are considered timely with evidence of mailing by the required date.

3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated on the attached schedules. This schedule simply summarizes these three separate calculations.

Schedule MAL-42 (REV-1)

Cash Working Capital/Lead Lag Gas

National Grid - RI Gas
Cash Working Capital Requirements
Test Year Ended June 30, 2017
Cash Working Capital Requirements

Line No.	Description	Revenue Receipt Lag	Expense Payment (Lag)	Net Payment (Lead) Lag	RATE YEAR		Reference page for Total Dollars:
					Total Dollars	CWC Dollars	
1	Gas Purchases	13.46%	-4.44%	9.02%	Recovered via Company GCR		2
2	Operation & Maintenance Expense	13.46%	-4.46%	9.01%	\$79,775,930	\$7,185,976	4
3	Federal Income Tax	13.46%	-6.12%	7.34%	\$10,531,658	\$773,320	5
<u>Taxes Other than Income Taxes</u>							
4	Municipal Taxes	13.46%	-25.23%	-11.77%	\$21,542,417	(\$2,534,935)	9
5	Sales and Use Tax	13.46%	-4.61%	8.85%	\$4,119	\$365	10
6	Gross Earnings Tax	13.46%	-4.46%	9.00%	\$10,649,587	\$958,763	11
<u>Pavroll Taxes - Company Portion</u>							
7	Employer Federal Unemployment	13.46%	-22.87%	-9.41%	\$16,123	(\$1,517)	12
8	Employer State Unemployment	13.46%	-18.09%	-4.63%	\$89,481	(\$4,140)	13
9	FICA Expense	- Weekly	-2.18%	11.28%	\$1,503,490	\$169,636	14
10		- Monthly	-1.52%	11.94%	\$1,140,211	\$136,173	15
<u>Pavroll Taxes and Other Withholding</u>							
11	Employee FICA and Federal Withholding	- Weekly		-0.27%	\$9,299,216	(\$25,108)	16
12		- Monthly		-1.69%	\$316,757	(\$5,353)	17
13	Employee State Income Tax Withholding	- Weekly		0.30%	\$1,587,753	\$4,763	18
14		- Monthly		1.73%	\$59,833	\$1,035	19
15	Temporary Disability Insurance	- Weekly		-20.74%	\$288,650	(\$59,866)	20
		- Monthly		-20.59%	\$7,778	(\$1,601)	21
15	Employee Incentive Thrift	- Weekly		0.00%			
16		- Monthly		0.00%			
15	Total Working Capital Requirement - Distribution				\$136,813,002	\$6,597,511	

**National Grid - RI Gas
Cash Working Capital Requirements
Summary of Gas Purchases
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Days of Cost</u> (a)	<u>Annual Percent</u> (b)	<u>Revenue Lag %</u> (c)	<u>Page Ref.</u>	<u>CWC %</u> (d)
1	(16.19)	-4.44%	13.46%	3	9.02%

**National Grid - RI Gas
Cash Working Capital Requirements
Gas Revenue Lag
For the Twelve Months Ended June 30, 2017**

<u>Line No.</u>	<u>Service Period</u> (a)	<u>Utility Service Receivables</u> <u>(Net of Uncollectible Reserves)</u> (b)	
1	July 2016	\$24,734,387	
2	August 2016	21,119,249	
3	September 2016	28,146,559	
4	October 2016	20,264,163	
5	November 2016	25,761,076	
6	December 2016	51,135,677	
7	January 2017	49,327,448	
8	February 2017	53,965,995	
9	March 2017	62,986,005	
10	April 2017	47,432,270	
11	May 2017	34,412,522	
12	June 2017	41,093,947	
13	Total	(Sum of lines 1 through 12) <u>\$460,379,300</u>	
14	Monthly Average	(Line 13 / 12 mo.) \$38,364,942	
15	Average Daily Revenue	(See Page 3a) \$1,179,035	
16	Collection Lag	(Line 14 / line 15) 32.54	days
17	Billing Lag	1.39	days
	Service Lag	15.21	
18	Total Revenue Lag	(Sum of lines 16 through 17) <u>49.14</u>	days
19	Revenue Lag %	(Line 18 / 365 days) 13.46%	

**National Grid - RI Gas
Cash Working Capital Requirements
Federal Income Tax
Test Year Ended June 30, 2017**

Line No.	Payment Date 1/ (a)	Days from Service Period End (b)	Percent Payment 1/ (c)	Weighted Average Days From Year End (d)
1	7/15/2016	259	25.00%	64.75
2	9/15/2016	197	25.00%	49.25
3	12/15/2016	106	25.00%	26.50
4	3/15/2017	16	<u>25.00%</u>	4.00
5			<u>100.00%</u>	<u>144.50</u>
6				
7				
8				
9				
10				

Service Period	Days from Year End	Average Days from Year End
4/30/2017	335	
5/31/2017	304	
6/30/2017	274	
7/31/2017	243	
8/31/2017	212	
9/30/2017	182	
10/31/2017	151	
11/30/2017	121	
12/31/2017	90	
1/31/2018	59	
2/28/2018	31	
3/31/2018	0	
Average End of Service Period Date	<u>2.002</u> /12 =	<u>166.83</u>

32	Weighted Average Payment	144.50
33	Average Days from End of Service Period for Payment of FIT	<u>(166.83)</u>
34		<u>(22.33)</u>

Day of Cost	Annual Percent	Customer Payment Lag %	CWC %
38			
39			
40			
41	(22.33)	-6.12%	12.75% 6.63%

1/ The Internal Revenue Service (Code Sec. 6655) requires estimated federal income tax payments, per this schedule, based on the fiscal year end.

National Grid - RI Gas
Weekly Payroll Lag Calculation
Test Year Ended June 30, 2017

Line No.	Pay Period Begin (a)	Pay Period End (b)	Average (c)	Payroll Paid Date (d)	Lag Days (e) = (b) - (a)
1					
2	6/26/2016	7/2/2016	6/29/2016	7/7/2016	8
3	7/3/2016	7/9/2016	7/6/2016	7/14/2016	8
4	7/10/2016	7/16/2016	7/13/2016	7/21/2016	8
5	7/17/2016	7/23/2016	7/20/2016	7/28/2016	8
6	7/24/2016	7/30/2016	7/27/2016	8/4/2016	8
7	7/31/2016	8/6/2016	8/3/2016	8/11/2016	8
8	8/7/2016	8/13/2016	8/10/2016	8/18/2016	8
9	8/14/2016	8/20/2016	8/17/2016	8/25/2016	8
10	8/21/2016	8/27/2016	8/24/2016	9/1/2016	8
11	8/28/2016	9/3/2016	8/31/2016	9/8/2016	8
12	9/4/2016	9/10/2016	9/7/2016	9/15/2016	8
13	9/11/2016	9/17/2016	9/14/2016	9/22/2016	8
14	9/18/2016	9/24/2016	9/21/2016	9/29/2016	8
15	9/25/2016	10/1/2016	9/28/2016	10/6/2016	8
16	10/2/2016	10/8/2016	10/5/2016	10/13/2016	8
17	10/9/2016	10/15/2016	10/12/2016	10/20/2016	8
18	10/16/2016	10/22/2016	10/19/2016	10/27/2016	8
19	10/23/2016	10/29/2016	10/26/2016	11/3/2016	8
20	10/30/2016	11/5/2016	11/2/2016	11/10/2016	8
21	11/6/2016	11/12/2016	11/9/2016	11/17/2016	8
22	11/13/2016	11/19/2016	11/16/2016	11/23/2016	7
23	11/20/2016	11/26/2016	11/23/2016	12/1/2016	8
24	11/27/2016	12/3/2016	11/30/2016	12/8/2016	8
25	12/4/2016	12/10/2016	12/7/2016	12/15/2016	8
26	12/11/2016	12/17/2016	12/14/2016	12/22/2016	8
27	12/18/2016	12/24/2016	12/21/2016	12/29/2016	8
28	12/25/2016	12/31/2016	12/28/2016	1/5/2017	8
29	1/1/2017	1/7/2017	1/4/2017	1/12/2017	8
30	1/8/2017	1/14/2017	1/11/2017	1/19/2017	8
31	1/15/2017	1/21/2017	1/18/2017	1/26/2017	8
32	1/22/2017	1/28/2017	1/25/2017	2/2/2017	8
33	1/29/2017	2/4/2017	2/1/2017	2/9/2017	8
34	2/5/2017	2/11/2017	2/8/2017	2/16/2017	8
35	2/12/2017	2/18/2017	2/15/2017	2/23/2017	8
36	2/19/2017	2/25/2017	2/22/2017	3/2/2017	8
37	2/26/2017	3/4/2017	3/1/2017	3/9/2017	8
38	3/5/2017	3/11/2017	3/8/2017	3/16/2017	8
39	3/12/2017	3/18/2017	3/15/2017	3/23/2017	8
40	3/19/2017	3/25/2017	3/22/2017	3/30/2017	8
41	3/26/2017	4/1/2017	3/29/2017	4/6/2017	8
42	4/2/2017	4/8/2017	4/5/2017	4/13/2017	8
43	4/9/2017	4/15/2017	4/12/2017	4/20/2017	8
44	4/16/2017	4/22/2017	4/19/2017	4/27/2017	8
45	4/23/2017	4/29/2017	4/26/2017	5/4/2017	8
46	4/30/2017	5/6/2017	5/3/2017	5/11/2017	8
47	5/7/2017	5/13/2017	5/10/2017	5/18/2017	8
48	5/14/2017	5/20/2017	5/17/2017	5/25/2017	8
49	5/21/2017	5/27/2017	5/24/2017	6/1/2017	8
50	5/28/2017	6/3/2017	5/31/2017	6/8/2017	8
51	6/4/2017	6/10/2017	6/7/2017	6/15/2017	8
52	6/11/2017	6/17/2017	6/14/2017	6/22/2017	8
53	6/18/2017	6/24/2017	6/21/2017	6/29/2017	8
54					
55					
56					7.98
57					
58					
59	<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
60					
61	(7.98)	-2.18%	13.46%	11.28%	

Column Notes

- (a) The payroll period is Sunday to Saturday
- (b) Payroll dates are actual dates weekly payroll was paid.
In Holiday weeks, checks are dated on Wednesday.
- (c) Average (a) + (b)
- (e) Column (d) - Column (c)

**National Grid - RI Gas
Monthly Payroll Lag Calculation
Test Year Ended June 30, 2017**

Line No.	Pay Period Begin	Pay Period End	Midpoint	Payroll Date	Lag Days (e) = (d) - (c)
	(a)	(b)	(c)	(d)	
1					
2	7/1/2016	7/31/2016	7/16/2016	7/21/2016	5
3	8/1/2016	8/31/2016	8/16/2016	8/19/2016	3
4	9/1/2016	9/30/2016	9/15/2016	9/21/2016	5.5
5	10/1/2016	10/31/2016	10/16/2016	10/21/2016	5
6	11/1/2016	11/30/2016	11/15/2016	11/21/2016	5.5
7	12/1/2016	12/31/2016	12/16/2016	12/21/2016	5
8	1/1/2017	1/31/2017	1/16/2017	1/20/2017	4
9	2/1/2017	02/29/2017	2/1/2017	2/28/2017	27
10	3/1/2017	3/31/2017	3/16/2017	3/21/2017	5
11	4/1/2017	4/30/2017	4/15/2017	4/21/2017	5.5
12	5/1/2017	5/31/2017	5/16/2017	5/19/2017	3
13	6/1/2017	6/30/2017	6/15/2017	6/21/2017	5.5
14					
15	Average Payroll Date to Year End				<u>6.58</u>
16					
17					
18	<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19					
20	(6.58)	-1.80%	13.46%	11.66%	

Column Notes

- (a) The payroll period is the full month of the liability
- (b) Payroll dates are actual dates monthly payroll was paid.
Payroll date falls on a Holiday, check date is the day before
Payroll date falls on a weekend, check date is the Friday before.
- (c) Average (a) + (b)

**National Grid - RI Gas
Service Company Bill Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Service Period</u> <u>Begin</u>	<u>Service Period</u> <u>End</u>	<u>Midpoint</u>	<u>Payment</u> <u>Date (1)</u>	<u>Amount</u> <u>Paid (2)</u>	<u>Percentage of</u> <u>Total Amount</u>	<u>Elapsed</u> <u>Days</u>	<u>Weighted</u> <u>Days</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g) = (d) - (c)	(h) = (g) * (f)
1	7/1/2016	7/31/2016	7/16/2016	8/1/2016	\$3,343,136	7.44%	16	1.19
2	8/1/2016	8/31/2016	8/16/2016	9/1/2016	\$3,517,927	7.83%	16	1.25
3	9/1/2016	9/30/2016	9/15/2016	10/1/2016	\$3,444,195	7.66%	16	1.19
4	10/1/2016	10/31/2016	10/16/2016	11/1/2016	\$3,568,652	7.94%	16	1.27
5	11/1/2016	11/1/2016	11/1/2016	12/1/2016	\$3,915,684	8.71%	30	2.61
6	12/1/2016	12/1/2016	12/1/2016	1/1/2017	\$3,051,551	6.79%	31	2.10
7	1/1/2017	1/1/2017	1/1/2017	2/1/2017	\$3,619,377	8.05%	31	2.50
8	2/1/2017	2/28/2017	2/14/2017	3/1/2017	\$4,258,484	9.48%	15	1.42
9	3/1/2017	3/31/2017	3/16/2017	4/1/2017	\$4,881,030	10.86%	16	1.74
10	4/1/2017	4/30/2017	4/15/2017	5/1/2017	\$3,338,576	7.43%	16	1.15
11	5/1/2017	5/31/2017	5/16/2017	6/1/2017	\$3,904,900	8.69%	16	1.39
12	6/1/2017	6/30/2017	6/15/2017	7/1/2017	<u>\$4,092,759</u>	<u>9.11%</u>	16	<u>1.41</u>
13								
14								
15				Annual Totals	<u>\$44,936,272</u>	<u>100.0%</u>		<u>19.22</u>
16								
17								
18			<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>		
19								
20			-19.22	-5.25%	13.46%	8.21%		

Column Notes

(e) Per Company Books

**National Grid - RI Gas
Municipal Tax Expense Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Start Tax Year</u>	<u>End Tax Year</u>	<u>Midpoint</u>	<u>Payment Date</u>	<u>Days From Service Period Ending</u>	<u>Payment Amount</u>	<u>Percentage of Total Amount</u>	<u>Weighted Average Days From Year End</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = (e) * (g)
1								
2	7/1/2016	6/30/2017	12/30/2016	7/31/2016	(152)	\$4,290,125	19.91%	(30.26)
3	7/1/2016	6/30/2017	12/30/2016	8/31/2016	(121)	\$911,085	4.23%	(5.12)
4	7/1/2016	6/30/2017	12/30/2016	9/30/2016	(91)	\$1,717,148	7.97%	(7.25)
5	7/1/2016	6/30/2017	12/30/2016	10/31/2016	(60)	\$2,358,047	10.95%	(6.57)
6	7/1/2016	6/30/2017	12/30/2016	11/30/2016	(30)	\$11,124,807	51.64%	(15.49)
7	7/1/2016	6/30/2017	12/30/2016	12/31/2016	1	\$2,880	0.01%	0.00
8	7/1/2017	6/30/2018	12/30/2017	1/31/2017	(333)	\$7,145	0.03%	(0.10)
9	7/1/2017	6/30/2018	12/30/2017	2/28/2017	(305)	\$0	0.00%	0.00
10	7/1/2017	6/30/2018	12/30/2017	3/31/2017	(274)	\$0	0.00%	0.00
11	7/1/2017	6/30/2018	12/30/2017	4/30/2017	(244)	\$0	0.00%	0.00
12	7/1/2017	6/30/2018	12/30/2017	5/31/2017	(213)	\$243,976	1.13%	(2.41)
13	7/1/2017	6/30/2018	12/30/2017	6/30/2017	(183)	\$887,204	4.12%	(7.54)
14								
15				Total	<u>-2005</u>	<u>\$21,542,417</u>	<u>100.0%</u>	<u>(74.74)</u>
16								
17								
18								
19				Weighted Payment Date From Year End				-74.74
20				Average End of Service Period Date				<u>167.08</u>
21				Average days from end of Service Period date to payment of Municipal Taxes				<u>92.34</u>
22								
23								
24				Days of	Annual	Revenue		
25				<u>Cost</u>	<u>Percent</u>	<u>Lag %</u>	<u>CWC %</u>	
26								
27				(92.34)	-25.23%	13.46%	-11.77%	

Column Notes

- (a) Beginning of the property tax fiscal year
- (b) End of the property tax fiscal year
- (c) Average (a) + (b)
- (d) Taxes payment date
- (e) Column (d) - Column (c)
- (f) Taxes Paid by Company
- (g) Payment Amount/Total Paid for the year
- (h) Column (e) * Column (g)

**National Grid - RI Gas
Cash Working Capital Requirements
Sales and Use Tax
Test Year Ended June 30, 2017**

Line No.	Liability Date 1/ (a)	Liability Paid 2/ (b)	% of Total (c)	Liability Date 1/ (d)	Payment Date 2/ (e)	Payment Lag Days (f)	Weighted Payment Lag Days (g)
1	7/15/2016	\$653	15.85%	7/15/2016	7/31/2016	16	2.54
2	8/15/2016	3,726	90.47%	8/15/2016	8/31/2016	16	14.48
3	9/15/2016	(3,437)	-83.45%	9/15/2016	9/30/2016	15	-12.52
4	10/15/2016	(603)	-14.63%	10/15/2016	10/31/2016	16	-2.34
5	11/15/2016	(24)	-0.59%	11/15/2016	11/30/2016	15	-0.09
6	12/15/2016	698	16.95%	12/15/2016	12/31/2016	16	2.71
7	1/15/2017	7	0.18%	1/15/2017	1/31/2017	16	0.03
8	2/15/2017	55	1.35%	2/15/2017	2/28/2017	13	0.18
9	3/15/2017	3,069	74.52%	3/15/2017	3/31/2017	16	11.92
10	4/15/2017	11	0.28%	4/15/2017	4/30/2017	15	0.04
11	5/15/2017	(24)	-0.58%	5/15/2017	5/31/2017	16	-0.09
12	6/15/2017	(14)	-0.35%	6/15/2017	6/30/2017	15	-0.05
13							
14		<u>\$4,119</u>	<u>100.00%</u>				<u>16.81</u>
15							
16							
17							
18	Days of	Annual	Customer				
19	<u>Cost.</u>	<u>Percent</u>	<u>Payment Lag %</u>	<u>CWC %</u>			
20							
21	(16.81)	-4.61%	13.64%	9.03%			

1/ Sales and use tax liability is comprised primarily of sales tax collected from customers on taxable sales each month. These taxable sales are reported on a calendar month basis with the liability for each calendar month payable by the 20th of the following calendar month. Since these taxable sales are spread uniformly throughout the month, the average liability date for sales tax liability is assumed to be the 15th of each calendar month. In addition to sales tax, a minor amount of use tax is paid on taxable purchases from vendors. These amounts are individually small and are also incurred uniformly throughout the month. Accordingly, the average date vendor invoices are received (i.e. 15th of the month as assumed elsewhere in this study) is used as the average liability date for use tax in each calendar month. Since the average liability and payment dates for sales and use tax are the same, both are combined in the above analysis.

2/ Rhode Island law (Sec. 44-19) requires monthly reporting and payment of sales and use tax. The return for sales and use tax liability for the month, and payment of the entire liability for that month are due no later than the 20th of the following month. Rhode Island law (Sec. 44-1) states that liability and payment dates that fall upon a Saturday, Sunday, or legal holiday are extended by law to the next business day. Also under this Sec., payments are considered timely with evidence of mailing on or before the due date.

**National Grid - RI Gas
Cash Working Capital Requirements
Gross Earnings Tax
Test Year Ended June 30, 2017**

Line No.	Gross Earnings Tax Payment Date 1/	Days From Service Period	Percent Payment 1/	Payment Amount	Weighted Average Days from Year End
1	3/15/2017	291	4.87%	\$519,019	14.18
2	6/15/2017	199	38.97%	\$4,150,422	77.56
3	9/15/2017	107	56.15%	\$5,980,146	60.08
4	3/15/2018	(74)	0.00%	<u>\$0</u>	0.00
5			<u>100.00%</u>	\$10,649,587 2/	<u>151.82</u>
6					
7					
8					
9					
10					
11	<u>Service Period</u>	<u>Days from Year end</u>			<u>Average Days from Year end</u>
12					
13					
14	1/31/2017	334			
15	2/28/2017	306			
16	3/31/2017	275			
17	4/30/2017	245			
18	5/31/2017	214			
19	6/30/2017	184			
20	7/31/2017	153			
21	8/31/2017	122			
22	9/30/2017	92			
23	10/31/2017	61			
24	11/30/2017	31			
25	12/31/2017	0			
26					
27	Average End of Service Period Date			<u>2,017</u> /12 =	<u>168.08</u>
28					
29					
30					
31					
32					
33	Weighted Average Payment Days from Year End				151.82
34	Average Days from End of Service Period for Payment of Gross Earnings Tax				<u>(168.08)</u>
35					<u>(16.26)</u>
36					
37					
38					
39	<u>Days of Cost</u>	<u>Annualized Percent</u>	<u>Customer Payment Lag %</u>	<u>CWC %</u>	
40					
41					
42	-16.26	-4.46%	13.64%	9.18%	

1/ Rhode Island law (Sec. 44-26) requires the payment of estimated Corporate Gross Earnings Tax (GET) during the tax year. This code section also stipulates the above payment dates and minimum payment percentages. Code Sec. 44-1 extends the required payment dates that fall upon a Saturday, Sunday or legal holiday, to the next business day. Finally, payments are considered timely under Sec. 44-1 with evidence of mailing on or before the required date. The Company pays 40% of 85% of its prior year GET on March 15 and 60% of 85% of its prior year GET on June 15. Any remaining tax due for the calendar year is paid with its GET return on February 28 of the subsequent year.

2/ Because Gross receipts taxes are collected and remitted on a calendar year basis, this amount reflects gross receipts tax accrual for the twelve months ended March 15, 2018

**National Grid - RI Gas
Employer Federal Unemployment Tax Expense Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Pay Period Begin</u>	<u>Pay Period End</u>	<u>Midpoint</u>	<u>Liability Amount</u>	<u>Percentage of Total O&M</u>	<u>Payment Date (2)</u>	<u>Payment Lag in Days</u> (g) = (f) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (g) * (e)
1	(a)	(b)	(c)	(d)	(e)	(f)	(g) = (f) - (c)	(f) = (g) * (e)
2	7/1/2016	7/31/2016	7/16/2016	\$164	0.99%	10/15/2016	91	0.90
3	8/1/2016	8/31/2016	8/16/2016	\$101	0.61%	10/15/2016	60	0.37
4	9/1/2016	9/30/2016	9/15/2016	\$110	0.66%	10/15/2016	30	0.19
5	10/1/2016	10/31/2016	10/16/2016	\$55	0.33%	1/15/2017	91	0.30
6	11/1/2016	11/30/2016	11/15/2016	\$0	0.00%	1/15/2017	61	0.00
7	12/1/2016	12/31/2016	12/16/2016	\$22	0.13%	1/15/2017	30	0.04
8	1/1/2017	1/31/2017	1/16/2017	\$13,695	82.33%	4/15/2017	89	73.27
9	2/1/2017	2/28/2017	2/14/2017	\$1,463	8.79%	4/15/2017	60	5.27
10	3/1/2017	3/31/2017	3/16/2017	\$196	1.18%	4/15/2017	30	0.35
11	4/1/2017	4/30/2017	4/15/2017	\$265	1.59%	7/15/2017	91	1.44
12	5/1/2017	5/31/2017	5/16/2017	\$314	1.89%	7/15/2017	60	1.13
13	6/1/2017	6/30/2017	6/15/2017	<u>\$249</u>	<u>1.50%</u>	7/15/2017	30	<u>0.44</u>
14								
15				<u>\$16,634</u>	<u>100.0%</u>			<u>83.72</u>
16								
17								
18				<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19								
20				(83.72)	-22.87%	13.46%	-9.41%	

- 1/ For the purposes of this calculation, the weighted average liability date is deemed to be the 15th of each month. This is based on the fact that on average, salaries and wages (and the corresponding unemployment tax liabilities) accrue evenly throughout the month as employee hours are worked.
- 2/ IRS Code Sec. 3301 stipulates quarterly payment of unemployment tax liability. 100% of the liability for each quarter must be paid by the last day of the first month following that quarter.

**National Grid - RI Gas
Employer State Unemployment Tax Expense Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Pay Period Begin</u>	<u>Pay Period End</u>	<u>Midpoint</u>	<u>Liability Amount</u>	<u>Percentage of Total O&M</u>	<u>Payment Date (2)</u>	<u>Payment Lag in Days (g) = (f) - (c)</u>	<u>Weighted Payment Lag in Days (h) = (g) * (e)</u>
1	(a)	(b)	(c)	(d)	(e)	(f)	(g) = (f) - (c)	(h) = (g) * (e)
2	7/1/2016	7/31/2016	7/16/2016	\$2,178	2.22%	10/15/2016	91	2.02
3	8/1/2016	8/31/2016	8/16/2016	\$1,756	1.79%	10/15/2016	60	1.07
4	9/1/2016	9/30/2016	9/15/2016	\$1,747	1.78%	10/15/2016	30	0.53
5	10/1/2016	10/31/2016	10/16/2016	\$1,396	1.43%	1/15/2017	91	1.30
6	11/1/2016	11/30/2016	11/15/2016	\$824	0.84%	1/15/2017	61	0.51
7	12/1/2016	12/31/2016	12/16/2016	\$701	0.72%	1/15/2017	30	0.22
8	1/1/2017	1/31/2017	1/16/2017	\$47,797	48.82%	4/15/2017	89	43.45
9	2/1/2017	2/28/2017	2/14/2017	\$52,823	53.95%	4/15/2017	60	32.37
10	3/1/2017	3/31/2017	3/16/2017	\$36,157	36.93%	4/15/2017	30	11.08
11	4/1/2017	4/30/2017	4/15/2017	\$10,932	11.17%	7/15/2017	91	10.11
12	5/1/2017	5/31/2017	5/16/2017	(\$60,472)	-61.76%	7/15/2017	60	-37.06
13	6/1/2017	6/30/2017	6/15/2017	<u>\$2,068</u>	<u>2.11%</u>	7/15/2017	30	<u>0.62</u>
14								
15				<u>\$97,907</u>	<u>100.00%</u>			<u>66.22</u>
16								
17								
18				<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19								
20				(66.22)	-18.09%	13.46%	-4.63%	

1/ For the purposes of this calculation, the weighted average liability date is deemed to be the 15th of each month. This is based on the fact that on average, salaries and wages (and the corresponding unemployment tax liabilities) accrue evenly throughout the month as employee hours are worked.

2/ Rhode Island law (Sec. 28-42 through 28-44) stipulates quarterly payment of unemployment tax liability. 100% of the liability for each quarter must be paid by the last day of the first month following that quarter.

National Grid - RI Gas
Employer Weekly FICA Tax Expense Lag Calculation
Test Year Ended June 30, 2017

Line No.	Amount	Percentage of	Pay Period	Pay Period	Midpoint	Payment	Payment	Weighted
	Paid	Total Amount	Begin	End		Date	Lag in Days	
	(a)	(b)	(c)	(d)	(e)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
1								
2	\$59,179	2.09%	6/26/2016	7/2/2016	6/29/2016	7/7/2016	8	0.17
3	\$52,636	1.85%	7/3/2016	7/9/2016	7/6/2016	7/14/2016	8	0.15
4	\$61,097	2.15%	7/10/2016	7/16/2016	7/13/2016	7/21/2016	8	0.17
5	\$56,799	2.00%	7/17/2016	7/23/2016	7/20/2016	7/28/2016	8	0.16
6	\$57,682	2.03%	7/24/2016	7/30/2016	7/27/2016	8/4/2016	8	0.16
7	\$57,543	2.03%	7/31/2016	8/6/2016	8/3/2016	8/11/2016	8	0.16
8	\$79,707	2.81%	8/7/2016	8/13/2016	8/10/2016	8/18/2016	8	0.22
9	\$55,915	1.97%	8/14/2016	8/20/2016	8/17/2016	8/25/2016	8	0.16
10	\$53,784	1.90%	8/21/2016	8/27/2016	8/24/2016	9/1/2016	8	0.15
11	\$54,566	1.92%	8/28/2016	9/3/2016	8/31/2016	9/8/2016	8	0.15
12	\$48,598	1.71%	9/4/2016	9/10/2016	9/7/2016	9/15/2016	8	0.14
13	\$54,751	1.93%	9/11/2016	9/17/2016	9/14/2016	9/22/2016	8	0.15
14	\$51,467	1.81%	9/18/2016	9/24/2016	9/21/2016	9/29/2016	8	0.14
15	\$49,181	1.73%	9/25/2016	10/1/2016	9/28/2016	10/6/2016	8	0.14
16	\$62,593	2.21%	10/2/2016	10/8/2016	10/5/2016	10/13/2016	8	0.18
17	\$49,153	1.73%	10/9/2016	10/15/2016	10/12/2016	10/20/2016	8	0.14
18	\$46,014	1.62%	10/16/2016	10/22/2016	10/19/2016	10/27/2016	8	0.13
19	\$45,127	1.59%	10/23/2016	10/29/2016	10/26/2016	11/3/2016	8	0.13
20	\$45,573	1.61%	10/30/2016	11/5/2016	11/2/2016	11/10/2016	8	0.13
21	\$44,318	1.56%	11/6/2016	11/12/2016	11/9/2016	11/17/2016	8	0.12
22	\$43,620	1.54%	11/13/2016	11/19/2016	11/16/2016	11/23/2016	7	0.11
23	\$35,668	1.26%	11/20/2016	11/26/2016	11/23/2016	12/1/2016	8	0.10
24	\$39,146	1.38%	11/27/2016	12/3/2016	11/30/2016	12/8/2016	8	0.11
25	\$38,864	1.37%	12/4/2016	12/10/2016	12/7/2016	12/15/2016	8	0.11
26	\$39,159	1.38%	12/11/2016	12/17/2016	12/14/2016	12/22/2016	8	0.11
27	\$33,419	1.18%	12/18/2016	12/24/2016	12/21/2016	12/29/2016	8	0.09
28	\$48,772	1.72%	12/25/2016	12/31/2016	12/28/2016	1/5/2017	8	0.14
29	\$52,926	1.86%	1/1/2017	1/7/2017	1/4/2017	1/12/2017	8	0.15
30	\$54,076	1.91%	1/8/2017	1/14/2017	1/11/2017	1/19/2017	8	0.15
31	\$53,617	1.89%	1/15/2017	1/21/2017	1/18/2017	1/26/2017	8	0.15
32	\$53,512	1.89%	1/22/2017	1/28/2017	1/25/2017	2/2/2017	8	0.15
33	\$74,060	2.61%	1/29/2017	2/4/2017	2/1/2017	2/9/2017	8	0.21
34	\$55,684	1.96%	2/5/2017	2/11/2017	2/8/2017	2/16/2017	8	0.16
35	\$54,552	1.92%	2/12/2017	2/18/2017	2/15/2017	2/23/2017	8	0.15
36	\$56,963	2.01%	2/19/2017	2/25/2017	2/22/2017	3/2/2017	8	0.16
37	\$57,360	2.02%	2/26/2017	3/4/2017	3/1/2017	3/9/2017	8	0.16
38	\$59,371	2.09%	3/5/2017	3/11/2017	3/8/2017	3/16/2017	8	0.17
39	\$55,915	1.97%	3/12/2017	3/18/2017	3/15/2017	3/23/2017	8	0.16
40	\$58,007	2.04%	3/19/2017	3/25/2017	3/22/2017	3/30/2017	8	0.16
41	\$57,637	2.03%	3/26/2017	4/1/2017	3/29/2017	4/6/2017	8	0.16
42	\$55,946	1.97%	4/2/2017	4/8/2017	4/5/2017	4/13/2017	8	0.16
43	\$60,617	2.14%	4/9/2017	4/15/2017	4/12/2017	4/20/2017	8	0.17
44	\$58,739	2.07%	4/16/2017	4/22/2017	4/19/2017	4/27/2017	8	0.17
45	\$64,292	2.27%	4/23/2017	4/29/2017	4/26/2017	5/4/2017	8	0.18
46	\$61,206	2.16%	4/30/2017	5/6/2017	5/3/2017	5/11/2017	8	0.17
47	\$62,788	2.21%	5/7/2017	5/13/2017	5/10/2017	5/18/2017	8	0.18
48	\$58,327	2.06%	5/14/2017	5/20/2017	5/17/2017	5/25/2017	8	0.16
49	\$59,181	2.09%	5/21/2017	5/27/2017	5/24/2017	6/1/2017	8	0.17
50	\$61,458	2.17%	5/28/2017	6/3/2017	5/31/2017	6/8/2017	8	0.17
51	\$60,369	2.13%	6/4/2017	6/10/2017	6/7/2017	6/15/2017	8	0.17
52	\$64,912	2.29%	6/11/2017	6/17/2017	6/14/2017	6/22/2017	8	0.18
53	<u>\$62,169</u>	<u>2.19%</u>	6/18/2017	6/24/2017	6/21/2017	6/29/2017	8	<u>0.18</u>
54								
55	<u>\$2,838,010</u>	<u>100.0%</u>						<u>7.97</u>
56								
57								
58				Days of Cost	Annual Percent	Revenue Lag %	CWC %	
59								
60				(7.97)	-2.18%	13.46%	11.28%	

1/ Payment of FICA expense is governed by the same rules as the other components of Federal payroll tax deposits. See notes on monthly FICA and FIT withholding.

**National Grid - RI Gas
Employer Monthly FICA Tax Expense Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Amount Paid</u> (a)	<u>Percentage of Total Amount</u> (b)	<u>Pay Period Begin</u> (c)	<u>Pay Period End</u> (d)	<u>Midpoint</u> (e)	<u>Payment Date</u> (f)	<u>Payment Lag in Days</u> (e) = (f) - (e)	<u>Weighted Payment Lag in Days</u> (f) = (e) * (b)
1								
2	\$9,247	9.04%	7/1/2016	7/31/2016	7/16/2016	7/21/2016	5	0.45
3	\$7,879	7.70%	8/1/2016	8/31/2016	8/16/2016	8/19/2016	3	0.23
4	\$6,853	6.70%	9/1/2016	9/30/2016	9/15/2016	9/21/2016	6	0.37
5	\$5,734	5.61%	10/1/2016	10/31/2016	10/16/2016	10/21/2016	5	0.28
6	\$5,411	5.29%	11/1/2016	11/30/2016	11/15/2016	11/21/2016	6	0.29
7	\$5,424	5.30%	12/1/2016	12/31/2016	12/16/2016	12/21/2016	5	0.27
8	\$9,176	8.97%	1/1/2017	1/31/2017	1/16/2017	1/20/2017	4	0.36
9	\$10,020	9.80%	2/1/2017	2/28/2017	2/14/2017	2/28/2017	14	1.37
10	\$9,542	9.33%	3/1/2017	3/31/2017	3/16/2017	3/21/2017	5	0.47
11	\$11,221	10.97%	4/1/2017	4/30/2017	4/15/2017	4/21/2017	6	0.60
12	\$11,387	11.14%	5/1/2017	5/31/2017	5/16/2017	5/19/2017	3	0.33
13	<u>\$10,369</u>	<u>10.14%</u>	6/1/2017	6/30/2017	6/15/2017	6/21/2017	6	<u>0.56</u>
14								
15	<u>\$102,264</u>	<u>100.00%</u>						<u>5.58</u>
16								
17								
18				<u>Days of Cost</u>	<u>Annual Percent</u>	<u>Revenue Lag %</u>	<u>CWC %</u>	
19								
20				(5.58)	-1.52%	13.46%	11.94%	

- 1/ Payroll dates are the actual dates on which payroll was paid.
- 2/ Payment of FICA expense is governed by the same rules as the other components of Federal payroll tax deposits (see notes on monthly FICA and Federal Income Tax withholding).
- 3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated.

National Grid - RI Gas
Employee Weekly Federal Income Tax and FICA Withholding Lag Calculation
Test Year Ended June 30, 2017

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u> (e) = (d) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (b) * (e)
	(a)	(b)	(c)	(d)		
1						
2	\$180,375	1.94%	7/7/2016	7/6/2016	-1	-0.02
3	\$155,148	1.67%	7/14/2016	7/13/2016	-1	-0.02
4	\$188,738	2.03%	7/21/2016	7/20/2016	-1	-0.02
5	\$174,242	1.87%	7/28/2016	7/27/2016	-1	-0.02
6	\$179,162	1.93%	8/4/2016	8/3/2016	-1	-0.02
7	\$178,385	1.92%	8/11/2016	8/10/2016	-1	-0.02
8	\$294,630	3.17%	8/18/2016	8/17/2016	-1	-0.03
9	\$180,799	1.94%	8/25/2016	8/24/2016	-1	-0.02
10	\$170,489	1.83%	9/1/2016	8/31/2016	-1	-0.02
11	\$172,358	1.85%	9/8/2016	9/7/2016	-1	-0.02
12	\$172,767	1.86%	9/15/2016	9/14/2016	-1	-0.02
13	\$185,607	2.00%	9/22/2016	9/21/2016	-1	-0.02
14	\$173,298	1.86%	9/29/2016	9/28/2016	-1	-0.02
15	\$162,937	1.75%	10/6/2016	10/5/2016	-1	-0.02
16	\$257,192	2.77%	10/13/2016	10/12/2016	-1	-0.03
17	\$180,377	1.94%	10/20/2016	10/19/2016	-1	-0.02
18	\$170,708	1.84%	10/27/2016	10/26/2016	-1	-0.02
19	\$174,508	1.88%	11/3/2016	11/2/2016	-1	-0.02
20	\$177,094	1.90%	11/10/2016	11/9/2016	-1	-0.02
21	\$176,487	1.90%	11/17/2016	11/16/2016	-1	-0.02
22	\$171,977	1.85%	11/23/2016	11/22/2016	-1	-0.02
23	\$161,790	1.74%	12/1/2016	11/30/2016	-1	-0.02
24	\$171,802	1.85%	12/8/2016	12/7/2016	-1	-0.02
25	\$175,073	1.88%	12/15/2016	12/14/2016	-1	-0.02
26	\$170,002	1.83%	12/22/2016	12/21/2016	-1	-0.02
27	\$148,843	1.60%	12/29/2016	12/28/2016	-1	-0.02
28	\$146,408	1.57%	1/5/2017	1/4/2017	-1	-0.02
29	\$155,515	1.67%	1/12/2017	1/11/2017	-1	-0.02
30	\$158,569	1.71%	1/19/2017	1/18/2017	-1	-0.02
31	\$157,125	1.69%	1/26/2017	1/25/2017	-1	-0.02
32	\$160,467	1.73%	2/2/2017	2/1/2017	-1	-0.02
33	\$245,411	2.64%	2/9/2017	2/8/2017	-1	-0.03
34	\$174,571	1.88%	2/16/2017	2/15/2017	-1	-0.02
35	\$166,701	1.79%	2/23/2017	2/22/2017	-1	-0.02
36	\$169,944	1.83%	3/2/2017	3/1/2017	-1	-0.02
37	\$177,393	1.91%	3/9/2017	3/8/2017	-1	-0.02
38	\$187,563	2.02%	3/16/2017	3/15/2017	-1	-0.02
39	\$175,730	1.89%	3/23/2017	3/22/2017	-1	-0.02
40	\$172,691	1.86%	3/30/2017	3/29/2017	-1	-0.02
41	\$172,916	1.86%	4/6/2017	4/5/2017	-1	-0.02
42	\$166,042	1.79%	4/13/2017	4/12/2017	-1	-0.02
43	\$178,741	1.92%	4/20/2017	4/19/2017	-1	-0.02
44	\$179,608	1.93%	4/27/2017	4/26/2017	-1	-0.02
45	\$190,155	2.04%	5/4/2017	5/3/2017	-1	-0.02
46	\$184,991	1.99%	5/11/2017	5/10/2017	-1	-0.02
47	\$188,064	2.02%	5/18/2017	5/17/2017	-1	-0.02
48	\$172,001	1.85%	5/25/2017	5/24/2017	-1	-0.02
49	\$171,952	1.85%	6/1/2017	5/31/2017	-1	-0.02
50	\$183,779	1.98%	6/8/2017	6/7/2017	-1	-0.02
51	\$176,654	1.90%	6/15/2017	6/14/2017	-1	-0.02
52	\$192,859	2.07%	6/22/2017	6/21/2017	-1	-0.02
53	<u>\$188,578</u>	<u>2.03%</u>	6/29/2017	6/28/2017	-1	<u>-0.02</u>
54						
55	<u>\$9,299,216</u>	<u>100.00%</u>				<u>(1.00)</u>
56						
57				Annual CWC %		<u>-0.27%</u>
58						
59						
60						

1/ Payroll dates are the actual dates on which payroll was paid.
2/ See monthly federal withholding for federal deposit rules.
3/ Withholding dollars exclude minor monthly amounts for manual checks to weekly employees, small in amount and not generally associated with specific payroll dates.

**National Grid - RI Gas
Employee Monthly Federal Income Tax and FICA Withholding Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u> (e) = (d) - (c)	<u>Weighted Payment Lag in Days</u> (f) = (b) * (e)
1	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
2	27,622	8.72%	7/21/2016	7/15/2016	-6	-0.52
3	24,822	7.84%	8/19/2016	8/12/2016	-7	-0.55
4	26,559	8.38%	9/21/2016	9/17/2016	-4	-0.34
5	27,304	8.62%	10/21/2016	10/15/2016	-6	-0.52
6	27,065	8.54%	11/21/2016	11/13/2016	-8	-0.68
7	28,492	9.00%	12/21/2016	12/16/2016	-5	-0.45
8	26,640	8.41%	1/20/2017	1/13/2017	-7	-0.59
9	-	0.00%	2/28/2017	2/20/2017	-8	0.00
10	28,853	9.11%	3/21/2017	3/15/2017	-6	-0.55
11	32,605	10.29%	4/21/2017	4/13/2017	-8	-0.82
12	33,594	10.61%	5/19/2017	5/14/2017	-5	-0.53
13	33,199	<u>10.48%</u>	6/21/2017	6/15/2017	-6	<u>-0.63</u>
14						
15	<u>316,757</u>	<u>100%</u>				<u>(6.18)</u>
16						
17				Annual CWC %		<u>-1.69%</u>
18						
19						
20						
21						
22						
23						

- 1/ Payroll dates are the actual dates on which payroll was paid.
- 2/ The IRS Code stipulates payment of all withheld FICA and Federal Income Tax within one banking day under the \$100,000 One-Day Rule. 100% of the withholding must be deposited in a Federal Depository Bank within one day of the date payments are made. Payment due dates which fall upon a Saturday, Sunday, or holiday (i.e. non-banking day) are extended until the next banking day.
- 3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated above.

National Grid - RI Gas
Employee Weekly State Income Tax Withholding Lag Calculation
Test Year Ended June 30, 2017

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u>	<u>Weighted Payment Lag in Days</u>
	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
1						
2	\$30,040	1.89%	7/7/2016	7/6/2016	-1	-0.02
3	\$25,528	1.61%	7/14/2016	7/13/2016	-1	-0.02
4	\$30,488	1.92%	7/21/2016	7/20/2016	-1	-0.02
5	\$28,452	1.79%	7/28/2016	7/27/2016	-1	-0.02
6	\$29,275	1.84%	8/4/2016	8/3/2016	-1	-0.02
7	\$28,859	1.82%	8/11/2016	8/10/2016	-1	-0.02
8	\$45,138	2.84%	8/18/2016	8/17/2016	-1	-0.03
9	\$29,831	1.88%	8/25/2016	8/24/2016	-1	-0.02
10	\$28,265	1.78%	9/1/2016	8/31/2016	-1	-0.02
11	\$28,878	1.82%	9/8/2016	9/7/2016	-1	-0.02
12	\$28,812	1.81%	9/15/2016	9/14/2016	-1	-0.02
13	\$31,197	1.96%	9/22/2016	9/21/2016	-1	-0.02
14	\$29,530	1.86%	9/29/2016	9/28/2016	-1	-0.02
15	\$28,026	1.77%	10/6/2016	10/5/2016	-1	-0.02
16	\$42,335	2.67%	10/13/2016	10/12/2016	-1	-0.03
17	\$31,381	1.98%	10/20/2016	10/19/2016	-1	-0.02
18	\$29,959	1.89%	10/27/2016	10/26/2016	-1	-0.02
19	\$30,847	1.94%	11/3/2016	11/2/2016	-1	-0.02
20	\$31,433	1.98%	11/10/2016	11/9/2016	-1	-0.02
21	\$31,482	1.98%	11/17/2016	11/16/2016	-1	-0.02
22	\$30,557	1.92%	11/23/2016	11/22/2016	-1	-0.02
23	\$29,606	1.86%	12/1/2016	11/30/2016	-1	-0.02
24	\$31,348	1.97%	12/8/2016	12/7/2016	-1	-0.02
25	\$32,248	2.03%	12/15/2016	12/14/2016	-1	-0.02
26	\$30,822	1.94%	12/22/2016	12/21/2016	-1	-0.02
27	\$28,250	1.78%	12/29/2016	12/28/2016	-1	-0.02
28	\$51,102	3.22%	1/5/2017	1/4/2017	-1	-0.03
29	\$48,312	3.04%	1/12/2017	1/11/2017	-1	-0.03
30	\$25,727	1.62%	1/19/2017	1/18/2017	-1	-0.02
31	\$47,664	3.00%	1/26/2017	1/25/2017	-1	-0.03
32	\$25,854	1.63%	2/2/2017	2/1/2017	-1	-0.02
33	\$41,662	2.62%	2/9/2017	2/8/2017	-1	-0.03
34	\$27,829	1.75%	2/16/2017	2/15/2017	-1	-0.02
35	\$26,776	1.69%	2/23/2017	2/22/2017	-1	-0.02
36	\$27,399	1.73%	3/2/2017	3/1/2017	-1	-0.02
37	\$28,316	1.78%	3/9/2017	3/8/2017	-1	-0.02
38	\$29,857	1.88%	3/16/2017	3/15/2017	-1	-0.02
39	\$28,049	1.77%	3/23/2017	3/22/2017	-1	-0.02
40	\$27,909	1.76%	3/30/2017	3/29/2017	-1	-0.02
41	\$27,912	1.76%	4/6/2017	4/5/2017	-1	-0.02
42	\$26,824	1.69%	4/13/2017	4/12/2017	-1	-0.02
43	\$28,894	1.82%	4/20/2017	4/19/2017	-1	-0.02
44	\$28,611	1.80%	4/27/2017	4/26/2017	-1	-0.02
45	\$30,831	1.94%	5/4/2017	5/3/2017	-1	-0.02
46	\$29,836	1.88%	5/11/2017	5/10/2017	-1	-0.02
47	\$30,322	1.91%	5/18/2017	5/17/2017	-1	-0.02
48	\$27,878	1.76%	5/25/2017	5/24/2017	-1	-0.02
49	\$28,032	1.77%	6/1/2017	5/31/2017	-1	-0.02
50	\$29,674	1.87%	6/8/2017	6/7/2017	-1	-0.02
51	\$28,499	1.79%	6/15/2017	6/14/2017	-1	-0.02
52	\$31,065	1.96%	6/22/2017	6/21/2017	-1	-0.02
53	\$30,377	1.91%	6/29/2017	6/28/2017	-1	-0.02
54						
55	<u>\$1,587,753</u>	<u>100.00%</u>				<u>-1.10</u>
56						
57				Annual CWC %		<u>0.30%</u>

1/ Payroll dates are the actual dates on which payroll was paid.

2/ Rhode Island law (Sec. 44-30) stipulates payment of all withheld State Income Tax within three banking days after the end of each quarter-monthly liability period. 100% of the withholding on all payroll paid during each quarter-monthly period must be paid no later than the third banking day after the end of that period. Under Sec. 44-1, payment due dates which fall upon Saturday, Sunday, or a legal holiday, are extended until the next banking day. In addition, payment is considered timely with evidence of mailing by the due date.

**National Grid - RI Gas
Employee Monthly State Income Tax Withholding Lag Calculation
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u>	<u>Weighted Payment Lag in Days</u>
	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
1						
2	\$4,672	7.81%	7/21/2016	7/15/2016	-6	-0.47
3	\$4,282	7.16%	8/19/2016	8/12/2016	-7	-0.50
4	\$4,878	8.15%	9/21/2016	9/17/2016	-4	-0.33
5	\$5,181	8.66%	10/21/2016	10/15/2016	-6	-0.52
6	\$5,343	8.93%	11/21/2016	11/13/2016	-8	-0.71
7	\$5,583	9.33%	12/21/2016	12/16/2016	-5	-0.47
8	\$4,377	7.32%	1/20/2017	1/13/2017	-7	-0.51
9	\$4,967	8.30%	2/28/2017	2/20/2017	-8	-0.66
10	\$4,701	7.86%	3/21/2017	3/15/2017	-6	-0.47
11	\$5,381	8.99%	4/21/2017	4/13/2017	-8	-0.72
12	\$5,428	9.07%	5/19/2017	5/14/2017	-5	-0.45
13	<u>\$5,039</u>	<u>8.42%</u>	6/21/2017	6/15/2017	-6	<u>-0.51</u>
14						
15	<u>\$59,833</u>	<u>100.0%</u>				<u>-6.32</u>
16						
17						
18				Annual CWC %		<u>1.73%</u>

1/ Payroll dates are the actual dates on which payroll was paid.

2/ Rhode Island law (Sec. 44-30) stipulates payment of all withheld State Income Tax within three banking days after the end of each quarter-monthly liability period. 100% of the withholding on all payroll paid during each quarter-monthly period must be paid no later than the third banking day after the end of that period. Under Sec. 44-1, payment due dates which fall upon Saturday, Sunday, or a legal holiday, are extended until the next banking day. In addition, payment is considered timely with evidence of mailing by the due date.

Notes:

Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated on the attached schedules. This schedule simply summarizes these two separate calculations.

**National Grid - RI Gas
Cash Working Capital Requirements
Temporary Disability Insurance Withholding
Weekly Payroll
Test Year Ended June 30, 2017**

Line No.	Withholding Amount (a)	% of Total (b)	Liability Date 1/ (c)	Payment Date 2/ (d)	Payment Lag in Days (e)	Weighted Payment Lag in Days (f)
1	\$21,818	7.56%	7/15/2016	10/31/2016	108	8.16
2	19,192	6.65%	8/15/2016	10/31/2016	77	5.12
3	14,828	5.14%	9/15/2016	10/31/2016	46	2.36
4	8,927	3.09%	10/15/2016	1/31/2017	108	3.34
5	6,295	2.18%	11/15/2016	1/31/2017	77	1.68
6	5,874	2.03%	12/15/2016	1/31/2017	47	0.95
7	30,188	10.46%	1/15/2017	4/30/2017	105	10.98
8	34,661	12.01%	2/15/2017	4/30/2017	74	8.89
9	41,132	14.25%	3/15/2017	4/30/2017	46	6.56
10	33,593	11.64%	4/15/2017	7/31/2017	107	12.45
11	34,490	11.95%	5/15/2017	7/31/2017	77	9.20
12	<u>37,652</u>	13.04%	6/15/2017	7/31/2017	46	6.00
13						
14	<u>\$288,650</u>	<u>100.00%</u>				<u>75.69</u>
15						
16						
17						
18					CWC %	<u>-20.74%</u>

1/ For the purposes of this calculation, the weighted average liability (withholding) date is deemed to be the 15th of each month. This is based on the fact that on average, weekly salaries and wages (and the corresponding Temp. Disability Ins. liabilities) accrue evenly throughout the month as employee hours are worked.

2/ Rhode Island's Temporary Disability Insurance Act (Title 28 of R.I. law) stipulates quarterly payment of Temporary Disability Insurance withheld. 100% of the liability for each quarter must be paid by the last day of the first month after that quarter ends. Under Sec. 44-1, payment dates which fall upon a Saturday, Sunday or legal holiday are extended to the next business day. Payments are considered timely with evidence of mailing by the required date.

**National Grid - RI Gas
Cash Working Capital Requirements
Temporary Disability Insurance Withholding
Monthly Payroll
Test Year Ended June 30, 2017**

Line No.	Withholding Amount (a)	% of Total (b)	Payroll Date (c)	Payment Date (d)	Payment Lag in Days (e)	Weighted Payment Lag in Days (f)
1	\$487	6.26%	7/21/2016	10/31/2016	102	6.39
2	285	3.67%	8/19/2016	10/31/2016	73	2.68
3	195	2.51%	9/21/2016	10/31/2016	40	1.00
4	144	1.85%	10/21/2016	1/31/2017	102	1.89
5	144	1.85%	11/21/2016	1/31/2017	71	1.31
6	150	1.93%	12/21/2016	1/31/2017	41	0.79
7	1,249	16.06%	1/20/2017	4/30/2017	100	16.06
8	0	0.00%	2/28/2017	4/30/2017	61	0.00
9	1,312	16.86%	3/21/2017	4/30/2017	40	6.74
10	1,547	19.89%	4/21/2017	7/31/2017	101	20.09
11	1,539	19.79%	5/19/2017	7/31/2017	73	14.45
12	726	9.34%	6/21/2017	7/31/2017	40	3.74
19						
20	<u>\$7,778</u>	<u>\$1</u>				<u>75.14</u>
21						
22						
23						
24					Annual CWC %	<u>-20.59%</u>

1/ Payroll dates are the actual dates on which payroll was paid.

2/ Rhode Island's Temporary Disability Insurance Act (Title 28 of R.I. law) stipulates quarterly payment of Temporary Disability Insurance withheld. 100% of the liability for each quarter must be paid by the last day of the first month after that quarter ends. Under Sec. 44-1, payment dates which fall upon a Saturday, Sunday or legal holiday are extended to the next business day. Payments are considered timely with evidence of mailing by the required date.

3/ Two different types of monthly payroll are paid: regular monthly (i.e. salaries) and manual/misc. (e.g. termination pay). Since these different payrolls are paid on different dates, separate weighted payment lags for each have been calculated on the attached schedules. This schedule simply summarizes these three separate calculations.

National Grid - RI Gas
Employee Weekly Thrift Withholding Lag Calculation
Test Year Ended June 30, 2017

Line No.	Withholding Amount	Percentage of Total Amount	Payroll Date (1)	Payment Date	Payment Lag in Days (e) = (d) - (c)	Weighted Payment Lag in Days (f) = (b) * (e)
	(a)	(b)	(c)	(d)	(e)	(f)
1						
2	\$234,935	2.27%	7/7/2016	7/7/2016	0	0.00
3	\$222,806	2.16%	7/14/2016	7/14/2016	0	0.00
4	\$0	0.00%	7/21/2016	7/21/2016	0	0.00
5	\$233,759	2.26%	7/28/2016	7/28/2016	0	0.00
6	\$233,761	2.26%	8/4/2016	8/4/2016	0	0.00
7	\$226,832	2.19%	8/11/2016	8/11/2016	0	0.00
8	\$0	0.00%	8/18/2016	8/18/2016	0	0.00
9	\$236,256	2.29%	8/25/2016	8/25/2016	0	0.00
10	\$230,282	2.23%	9/1/2016	9/1/2016	0	0.00
11	\$224,296	2.17%	9/8/2016	9/8/2016	0	0.00
12	\$243,944	2.36%	9/15/2016	9/15/2016	0	0.00
13	\$231,708	2.24%	9/22/2016	9/22/2016	0	0.00
14	\$223,557	2.16%	9/29/2016	9/29/2016	0	0.00
15	\$214,734	2.08%	10/6/2016	10/6/2016	0	0.00
16	\$255,321	2.47%	10/13/2016	10/13/2016	0	0.00
17	\$0	0.00%	10/20/2016	10/20/2016	0	0.00
18	\$211,793	2.05%	10/27/2016	10/27/2016	0	0.00
19	\$213,341	2.06%	11/3/2016	11/3/2016	0	0.00
20	\$209,465	2.03%	11/10/2016	11/10/2016	0	0.00
21	\$205,127	1.98%	11/17/2016	11/17/2016	0	0.00
22	\$0	0.00%	11/23/2016	11/23/2016	0	0.00
23	\$193,149	1.87%	12/1/2016	12/1/2016	0	0.00
24	\$189,582	1.83%	12/8/2016	12/8/2016	0	0.00
25	\$182,145	1.76%	12/15/2016	12/15/2016	0	0.00
26	\$0	0.00%	12/22/2016	12/22/2016	0	0.00
27	\$165,651	1.60%	12/29/2016	12/29/2016	0	0.00
28	\$231,530	2.24%	1/5/2017	1/5/2017	0	0.00
29	\$227,779	2.20%	1/12/2017	1/12/2017	0	0.00
30	\$0	0.00%	1/19/2017	1/19/2017	0	0.00
31	\$225,403	2.18%	1/26/2017	1/26/2017	0	0.00
32	\$235,742	2.28%	2/2/2017	2/2/2017	0	0.00
33	\$230,072	2.23%	2/9/2017	2/9/2017	0	0.00
34	\$240,082	2.32%	2/16/2017	2/16/2017	0	0.00
35	\$240,534	2.33%	2/23/2017	2/23/2017	0	0.00
36	\$236,424	2.29%	3/2/2017	3/2/2017	0	0.00
37	\$250,332	2.42%	3/9/2017	3/9/2017	0	0.00
38	\$262,078	2.54%	3/16/2017	3/16/2017	0	0.00
39	\$250,314	2.42%	3/23/2017	3/23/2017	0	0.00
40	\$240,509	2.33%	3/30/2017	3/30/2017	0	0.00
41	\$237,888	2.30%	4/6/2017	4/6/2017	0	0.00
42	\$235,107	2.27%	4/13/2017	4/13/2017	0	0.00
43	\$0	0.00%	4/20/2017	4/20/2017	0	0.00
44	\$243,617	2.36%	4/27/2017	4/27/2017	0	0.00
45	\$234,654	2.27%	5/4/2017	5/4/2017	0	0.00
46	\$244,979	2.37%	5/11/2017	5/11/2017	0	0.00
47	\$0	0.00%	5/18/2017	5/18/2017	0	0.00
48	\$234,930	2.27%	5/25/2017	5/25/2017	0	0.00
49	\$230,427	2.23%	6/1/2017	6/1/2017	0	0.00
50	\$238,806	2.31%	6/8/2017	6/8/2017	0	0.00
51	\$617,189	5.97%	6/15/2017	6/15/2017	0	0.00
52	\$0	0.00%	6/22/2017	6/22/2017	0	0.00
53	\$365,394	3.54%	6/29/2017	6/29/2017	0	0.00
1						
2	<u>\$10,336,234</u>	<u>100.00%</u>				<u>0.00</u>
3						
4						
5		Days of	Annual	Revenue		
6		<u>Cost</u>	<u>Percent</u>	<u>Lag %</u>	<u>CWC %</u>	
7						
8		0.00	0.00%		0.00%	

Column Notes

(a) Payroll dates are the actual dates on which payroll was paid

National Grid - RI Gas
Employee Monthly Thrift Withholding Lag Calculation
Test Year Ended June 30, 2017

<u>Line No.</u>	<u>Withholding Amount</u>	<u>Percentage of Total Amount</u>	<u>Payroll Date (1)</u>	<u>Payment Date</u>	<u>Payment Lag in Days</u>	<u>Weighted Payment Lag in Days</u>
	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f) = (b) * (e)
1						
2	\$333,248	10.23%	7/21/2016	7/21/2016	0	0.00
3	\$376,965	11.57%	8/19/2016	8/19/2016	0	0.00
4	\$97,807	3.00%	9/21/2016	9/21/2016	0	0.00
5	\$308,092	9.45%	10/21/2016	10/21/2016	0	0.00
6	\$282,926	8.68%	11/21/2016	11/21/2016	0	0.00
7	\$256,915	7.88%	12/21/2016	12/21/2016	0	0.00
8	\$332,905	10.21%	1/20/2017	1/20/2017	0	0.00
9	\$110,917	3.40%	2/28/2017	2/28/2017	0	0.00
10	\$111,701	3.43%	3/21/2017	3/21/2017	0	0.00
11	\$344,769	10.58%	4/21/2017	4/21/2017	0	0.00
12	\$352,539	10.82%	5/19/2017	5/19/2017	0	0.00
13	<u>\$350,227</u>	<u>10.75%</u>	6/21/2017	6/21/2017	0	<u>0.00</u>
14						
15	<u>\$3,259,011</u>	<u>100.00%</u>				<u>0.00</u>
16						
17						
18						
19						
20						
21						

Column Notes

(a) Payroll dates are the actual dates on which payroll was paid

Meter Reading vs Billing Days Elapsed
Test year ended 06/30/17

<u>Cycle</u>	<u>Billed Sales</u>	<u>Prior Read Date</u>	<u>Read Date</u>	<u>Bill Date</u>	<u># Days in Bill 1/</u>	<u>Billing Lag 2/</u>
1	7/31/2016	5/26/2016	6/28/2016	6/29/2016	33	1
1	8/31/2016	6/28/2016	7/28/2016	7/29/2016	30	1
1	9/30/2016	7/28/2016	8/26/2016	8/29/2016	29	3
1	10/31/2016	8/26/2016	9/27/2016	9/28/2016	32	1
1	11/30/2016	9/27/2016	10/26/2016	10/27/2016	29	1
1	12/31/2016	10/26/2016	11/28/2016	11/29/2016	33	1
1	1/31/2017	11/28/2016	12/27/2016	12/28/2016	29	1
1	2/28/2017	12/27/2016	1/26/2017	1/27/2017	30	1
1	3/31/2017	1/26/2017	2/24/2017	2/27/2017	29	3
1	4/30/2017	2/24/2017	3/28/2017	3/29/2017	32	1
1	5/31/2017	3/28/2017	4/27/2017	4/28/2017	30	1
1	6/30/2017	4/27/2017	5/26/2017	5/29/2017	29	3
2	7/31/2016	5/30/2016	6/29/2016	6/30/2016	30	1
2	8/31/2016	6/29/2016	7/29/2016	8/1/2016	30	3
2	9/30/2016	7/29/2016	8/29/2016	8/30/2016	31	1
2	10/31/2016	8/29/2016	9/28/2016	9/29/2016	30	1
2	11/30/2016	9/28/2016	10/27/2016	10/28/2016	29	1
2	12/31/2016	10/27/2016	11/29/2016	11/30/2016	33	1
2	1/31/2017	11/29/2016	12/28/2016	12/29/2016	29	1
2	2/28/2017	12/28/2016	1/27/2017	1/30/2017	30	3
2	3/31/2017	1/27/2017	2/27/2017	2/28/2017	31	1
2	4/30/2017	2/27/2017	3/29/2017	3/30/2017	30	1
2	5/31/2017	3/29/2017	4/28/2017	5/1/2017	30	3
2	6/30/2017	4/28/2017	5/30/2017	5/31/2017	32	1
3	7/31/2016	5/31/2016	6/30/2016	7/1/2016	30	1
3	8/31/2016	6/30/2016	8/1/2016	8/2/2016	32	1
3	9/30/2016	8/1/2016	8/30/2016	8/31/2016	29	1
3	10/31/2016	8/30/2016	9/29/2016	9/30/2016	30	1
3	11/30/2016	9/29/2016	10/28/2016	10/31/2016	29	3
3	12/31/2016	10/28/2016	11/30/2016	12/1/2016	33	1
3	1/31/2017	11/30/2016	12/29/2016	12/30/2016	29	1
3	2/28/2017	12/29/2016	1/30/2017	1/31/2017	32	1
3	3/31/2017	1/30/2017	2/28/2017	3/1/2017	29	1
3	4/30/2017	2/28/2017	3/30/2017	3/31/2017	30	1
3	5/31/2017	3/30/2017	5/1/2017	5/2/2017	32	1
3	6/30/2017	5/1/2017	5/31/2017	6/1/2017	30	1
4	7/31/2016	6/1/2016	7/5/2016	7/6/2016	34	1
4	8/31/2016	7/5/2016	8/3/2016	8/4/2016	29	1
4	9/30/2016	8/3/2016	9/1/2016	9/2/2016	29	1
4	10/31/2016	9/1/2016	10/3/2016	10/4/2016	32	1
4	11/30/2016	10/3/2016	11/1/2016	11/2/2016	29	1
4	12/31/2016	11/1/2016	12/2/2016	12/5/2016	31	3
4	1/31/2017	12/2/2016	12/30/2016	1/2/2017	28	3
4	2/28/2017	12/30/2016	1/31/2017	2/1/2017	32	1
4	3/31/2017	1/31/2017	3/1/2017	3/2/2017	29	1
4	4/30/2017	3/1/2017	3/31/2017	4/3/2017	30	3
4	5/31/2017	3/31/2017	5/2/2017	5/3/2017	32	1
4	6/30/2017	5/2/2017	6/1/2017	6/2/2017	30	1

Meter Reading vs Billing Days Elapsed
Test year ended 06/30/17

<u>Cycle</u>	<u>Billed Sales</u>	<u>Prior Read Date</u>	<u>Read Date</u>	<u>Bill Date</u>	<u># Days in Bill 1/</u>	<u>Billing Lag 2/</u>
5	7/31/2016	6/2/2016	7/5/2016	7/6/2016	33	1
5	8/31/2016	7/5/2016	8/3/2016	8/4/2016	29	1
5	9/30/2016	8/3/2016	9/1/2016	9/2/2016	29	1
5	10/31/2016	9/1/2016	10/3/2016	10/4/2016	32	1
5	11/30/2016	10/3/2016	11/1/2016	11/2/2016	29	1
5	12/31/2016	11/1/2016	12/2/2016	12/5/2016	31	3
5	1/31/2017	12/2/2016	1/3/2017	1/4/2017	32	1
5	2/28/2017	1/3/2017	2/1/2017	2/2/2017	29	1
5	3/31/2017	2/1/2017	3/2/2017	3/3/2017	29	1
5	4/30/2017	3/2/2017	4/3/2017	4/4/2017	32	1
5	5/31/2017	4/3/2017	5/3/2017	5/4/2017	30	1
5	6/30/2017	5/3/2017	6/2/2017	6/5/2017	30	3
6	7/31/2016	6/5/2016	7/6/2016	7/7/2016	31	1
6	8/31/2016	7/6/2016	8/4/2016	8/5/2016	29	1
6	9/30/2016	8/4/2016	9/2/2016	9/5/2016	29	3
6	10/31/2016	9/2/2016	10/4/2016	10/5/2016	32	1
6	11/30/2016	10/4/2016	11/2/2016	11/3/2016	29	1
6	12/31/2016	11/2/2016	12/5/2016	12/6/2016	33	1
6	1/31/2017	12/5/2016	1/4/2017	1/5/2017	30	1
6	2/28/2017	1/4/2017	2/2/2017	2/3/2017	29	1
6	3/31/2017	2/2/2017	3/3/2017	3/6/2017	29	3
6	4/30/2017	3/3/2017	4/4/2017	4/5/2017	32	1
6	5/31/2017	4/4/2017	5/4/2017	5/5/2017	30	1
6	6/30/2017	5/4/2017	6/5/2017	6/6/2017	32	1
7	7/31/2016	6/6/2016	7/7/2016	7/8/2016	31	1
7	8/31/2016	7/7/2016	8/5/2016	8/8/2016	29	3
7	9/30/2016	8/5/2016	9/6/2016	9/7/2016	32	1
7	10/31/2016	9/6/2016	10/5/2016	10/6/2016	29	1
7	11/30/2016	10/5/2016	11/3/2016	11/4/2016	29	1
7	12/31/2016	11/3/2016	12/6/2016	12/7/2016	33	1
7	1/31/2017	12/6/2016	1/5/2017	1/6/2017	30	1
7	2/28/2017	1/5/2017	2/3/2017	2/6/2017	29	3
7	3/31/2017	2/3/2017	3/6/2017	3/7/2017	31	1
7	4/30/2017	3/6/2017	4/5/2017	4/6/2017	30	1
7	5/31/2017	4/5/2017	5/5/2017	5/8/2017	30	3
7	6/30/2017	5/5/2017	6/6/2017	6/7/2017	32	1
8	7/31/2016	6/7/2016	7/8/2016	7/11/2016	31	3
8	8/31/2016	7/8/2016	8/8/2016	8/9/2016	31	1
8	9/30/2016	8/8/2016	9/7/2016	9/8/2016	30	1
8	10/31/2016	9/7/2016	10/7/2016	10/10/2016	30	3
8	11/30/2016	10/7/2016	11/4/2016	11/7/2016	28	3
8	12/31/2016	11/4/2016	12/7/2016	12/8/2016	33	1
8	1/31/2017	12/7/2016	1/6/2017	1/9/2017	30	3
8	2/28/2017	1/6/2017	2/6/2017	2/7/2017	31	1
8	3/31/2017	2/6/2017	3/7/2017	3/8/2017	29	1
8	4/30/2017	3/7/2017	4/6/2017	4/7/2017	30	1
8	5/31/2017	4/6/2017	5/8/2017	5/9/2017	32	1
8	6/30/2017	5/8/2017	6/7/2017	6/8/2017	30	1

Meter Reading vs Billing Days Elapsed
Test year ended 06/30/17

<u>Cycle</u>	<u>Billed Sales</u>	<u>Prior Read Date</u>	<u>Read Date</u>	<u>Bill Date</u>	<u># Days in Bill 1/</u>	<u>Billing Lag 2/</u>
9	7/31/2016	6/8/2016	7/11/2016	7/12/2016	33	1
9	8/31/2016	7/11/2016	8/9/2016	8/10/2016	29	1
9	9/30/2016	8/9/2016	9/8/2016	9/9/2016	30	1
9	10/31/2016	9/8/2016	10/10/2016	10/11/2016	32	1
9	11/30/2016	10/10/2016	11/7/2016	11/8/2016	28	1
9	12/31/2016	11/7/2016	12/8/2016	12/9/2016	31	1
9	1/31/2017	12/8/2016	1/9/2017	1/10/2017	32	1
9	2/28/2017	1/9/2017	2/7/2017	2/8/2017	29	1
9	3/31/2017	2/7/2017	3/8/2017	3/9/2017	29	1
9	4/30/2017	3/8/2017	4/7/2017	4/10/2017	30	3
9	5/31/2017	4/7/2017	5/9/2017	5/10/2017	32	1
9	6/30/2017	5/9/2017	6/8/2017	6/9/2017	30	1
10	7/31/2016	6/12/2016	7/12/2016	7/13/2016	30	1
10	8/31/2016	7/12/2016	8/10/2016	8/11/2016	29	1
10	9/30/2016	8/10/2016	9/9/2016	9/12/2016	30	3
10	10/31/2016	9/9/2016	10/11/2016	10/12/2016	32	1
10	11/30/2016	10/11/2016	11/8/2016	11/9/2016	28	1
10	12/31/2016	11/8/2016	12/9/2016	12/12/2016	31	3
10	1/31/2017	12/9/2016	1/10/2017	1/11/2017	32	1
10	2/28/2017	1/10/2017	2/8/2017	2/9/2017	29	1
10	3/31/2017	2/8/2017	3/10/2017	3/13/2017	30	3
10	4/30/2017	3/10/2017	4/10/2017	4/11/2017	31	1
10	5/31/2017	4/10/2017	5/10/2017	5/11/2017	30	1
10	6/30/2017	5/10/2017	6/12/2017	6/13/2017	33	1
11	7/31/2016	6/13/2016	7/13/2016	7/14/2016	30	1
11	8/31/2016	7/13/2016	8/12/2016	8/15/2016	30	3
11	9/30/2016	8/12/2016	9/12/2016	9/13/2016	31	1
11	10/31/2016	9/12/2016	10/12/2016	10/13/2016	30	1
11	11/30/2016	10/12/2016	11/9/2016	11/10/2016	28	1
11	12/31/2016	11/9/2016	12/12/2016	12/13/2016	33	1
11	1/31/2017	12/12/2016	1/11/2017	1/12/2017	30	1
11	2/28/2017	1/11/2017	2/9/2017	2/10/2017	29	1
11	3/31/2017	2/9/2017	3/13/2017	3/14/2017	32	1
11	4/30/2017	3/13/2017	4/11/2017	4/12/2017	29	1
11	5/31/2017	4/11/2017	5/12/2017	5/15/2017	31	3
11	6/30/2017	5/12/2017	6/13/2017	6/14/2017	32	1
12	7/31/2016	6/14/2016	7/15/2016	7/18/2016	31	3
12	8/31/2016	7/15/2016	8/15/2016	8/16/2016	31	1
12	9/30/2016	8/15/2016	9/13/2016	9/14/2016	29	1
12	10/31/2016	9/13/2016	10/13/2016	10/14/2016	30	1
12	11/30/2016	10/13/2016	11/10/2016	11/11/2016	28	1
12	12/31/2016	11/10/2016	12/13/2016	12/14/2016	33	1
12	1/31/2017	12/13/2016	1/12/2017	1/13/2017	30	1
12	2/28/2017	1/12/2017	2/10/2017	2/13/2017	29	3
12	3/31/2017	2/10/2017	3/14/2017	3/15/2017	32	1
12	4/30/2017	3/14/2017	4/13/2017	4/14/2017	30	1
12	5/31/2017	4/13/2017	5/15/2017	5/16/2017	32	1
12	6/30/2017	5/15/2017	6/14/2017	6/15/2017	30	1

Meter Reading vs Billing Days Elapsed
Test year ended 06/30/17

<u>Cycle</u>	<u>Billed Sales</u>	<u>Prior Read Date</u>	<u>Read Date</u>	<u>Bill Date</u>	<u># Days in Bill 1/</u>	<u>Billing Lag 2/</u>
13	7/31/2016	6/15/2016	7/18/2016	7/19/2016	33	1
13	8/31/2016	7/18/2016	8/16/2016	8/17/2016	29	1
13	9/30/2016	8/16/2016	9/14/2016	9/15/2016	29	1
13	10/31/2016	9/14/2016	10/14/2016	10/17/2016	30	3
13	11/30/2016	10/14/2016	11/14/2016	11/15/2016	31	1
13	12/31/2016	11/14/2016	12/14/2016	12/15/2016	30	1
13	1/31/2017	12/14/2016	1/13/2017	1/16/2017	30	3
13	2/28/2017	1/13/2017	2/13/2017	2/14/2017	31	1
13	3/31/2017	2/13/2017	3/15/2017	3/16/2017	30	1
13	4/30/2017	3/15/2017	4/17/2017	4/18/2017	33	1
13	5/31/2017	4/17/2017	5/16/2017	5/17/2017	29	1
13	6/30/2017	5/16/2017	6/15/2017	6/16/2017	30	1
14	7/31/2016	6/16/2016	7/19/2016	7/20/2016	33	1
14	8/31/2016	7/19/2016	8/17/2016	8/18/2016	29	1
14	9/30/2016	8/17/2016	9/16/2016	9/19/2016	30	3
14	10/31/2016	9/16/2016	10/17/2016	10/18/2016	31	1
14	11/30/2016	10/17/2016	11/15/2016	11/16/2016	29	1
14	12/31/2016	11/15/2016	12/15/2016	12/16/2016	30	1
14	1/31/2017	12/15/2016	1/17/2017	1/18/2017	33	1
14	2/28/2017	1/17/2017	2/14/2017	2/15/2017	28	1
14	3/31/2017	2/14/2017	3/16/2017	3/17/2017	30	1
14	4/30/2017	3/16/2017	4/18/2017	4/19/2017	33	1
14	5/31/2017	4/18/2017	5/17/2017	5/18/2017	29	1
14	6/30/2017	5/17/2017	6/16/2017	6/19/2017	30	3
15	7/31/2016	6/19/2016	7/20/2016	7/21/2016	31	1
15	8/31/2016	7/20/2016	8/18/2016	8/19/2016	29	1
15	9/30/2016	8/18/2016	9/19/2016	9/20/2016	32	1
15	10/31/2016	9/19/2016	10/18/2016	10/19/2016	29	1
15	11/30/2016	10/18/2016	11/16/2016	11/17/2016	29	1
15	12/31/2016	11/16/2016	12/16/2016	12/19/2016	30	3
15	1/31/2017	12/16/2016	1/18/2017	1/19/2017	33	1
15	2/28/2017	1/18/2017	2/15/2017	2/16/2017	28	1
15	3/31/2017	2/15/2017	3/17/2017	3/20/2017	30	3
15	4/30/2017	3/17/2017	4/19/2017	4/20/2017	33	1
15	5/31/2017	4/19/2017	5/18/2017	5/19/2017	29	1
15	6/30/2017	5/18/2017	6/19/2017	6/20/2017	32	1
16	7/31/2016	6/20/2016	7/21/2016	7/22/2016	31	1
16	8/31/2016	7/21/2016	8/19/2016	8/22/2016	29	3
16	9/30/2016	8/19/2016	9/20/2016	9/21/2016	32	1
16	10/31/2016	9/20/2016	10/19/2016	10/20/2016	29	1
16	11/30/2016	10/19/2016	11/17/2016	11/18/2016	29	1
16	12/31/2016	11/17/2016	12/19/2016	12/20/2016	32	1
16	1/31/2017	12/19/2016	1/19/2017	1/20/2017	31	1
16	2/28/2017	1/19/2017	2/16/2017	2/17/2017	28	1
16	3/31/2017	2/16/2017	3/20/2017	3/21/2017	32	1
16	4/30/2017	3/20/2017	4/20/2017	4/21/2017	31	1
16	5/31/2017	4/20/2017	5/19/2017	5/22/2017	29	3
16	6/30/2017	5/19/2017	6/20/2017	6/21/2017	32	1

Meter Reading vs Billing Days Elapsed
Test year ended 06/30/17

<u>Cycle</u>	<u>Billed Sales</u>	<u>Prior Read Date</u>	<u>Read Date</u>	<u>Bill Date</u>	<u># Days in Bill 1/</u>	<u>Billing Lag 2/</u>
17	7/31/2016	6/21/2016	7/22/2016	7/25/2016	31	3
17	8/31/2016	7/22/2016	8/22/2016	8/23/2016	31	1
17	9/30/2016	8/22/2016	9/21/2016	9/22/2016	30	1
17	10/31/2016	9/21/2016	10/20/2016	10/21/2016	29	1
17	11/30/2016	10/20/2016	11/18/2016	11/21/2016	29	3
17	12/31/2016	11/18/2016	12/20/2016	12/21/2016	32	1
17	1/31/2017	12/20/2016	1/20/2017	1/23/2017	31	3
17	2/28/2017	1/20/2017	2/17/2017	2/20/2017	28	3
17	3/31/2017	2/17/2017	3/21/2017	3/22/2017	32	1
17	4/30/2017	3/21/2017	4/21/2017	4/24/2017	31	3
17	5/31/2017	4/21/2017	5/22/2017	5/23/2017	31	1
17	6/30/2017	5/22/2017	6/21/2017	6/22/2017	30	1
18	7/31/2016	6/22/2016	7/25/2016	7/26/2016	33	1
18	8/31/2016	7/25/2016	8/23/2016	8/24/2016	29	1
18	9/30/2016	8/23/2016	9/22/2016	9/23/2016	30	1
18	10/31/2016	9/22/2016	10/21/2016	10/24/2016	29	3
18	11/30/2016	10/21/2016	11/21/2016	11/22/2016	31	1
18	12/31/2016	11/21/2016	12/21/2016	12/22/2016	30	1
18	1/31/2017	12/21/2016	1/23/2017	1/24/2017	33	1
18	2/28/2017	1/23/2017	2/21/2017	2/22/2017	29	1
18	3/31/2017	2/21/2017	3/22/2017	3/23/2017	29	1
18	4/30/2017	3/22/2017	4/24/2017	4/25/2017	33	1
18	5/31/2017	4/24/2017	5/23/2017	5/24/2017	29	1
18	6/30/2017	5/23/2017	6/22/2017	6/23/2017	30	1
19	7/31/2016	6/23/2016	7/26/2016	7/27/2016	33	1
19	8/31/2016	7/26/2016	8/24/2016	8/25/2016	29	1
19	9/30/2016	8/24/2016	9/23/2016	9/26/2016	30	3
19	10/31/2016	9/23/2016	10/24/2016	10/25/2016	31	1
19	11/30/2016	10/24/2016	11/22/2016	11/23/2016	29	1
19	12/31/2016	11/22/2016	12/22/2016	12/23/2016	30	1
19	1/31/2017	12/22/2016	1/24/2017	1/25/2017	33	1
19	2/28/2017	1/24/2017	2/22/2017	2/23/2017	29	1
19	3/31/2017	2/22/2017	3/24/2017	3/27/2017	30	3
19	4/30/2017	3/24/2017	4/25/2017	4/26/2017	32	1
19	5/31/2017	4/25/2017	5/24/2017	5/25/2017	29	1
19	6/30/2017	5/24/2017	6/23/2017	6/26/2017	30	3
20	7/31/2016	6/26/2016	7/27/2016	7/28/2016	31	1
20	8/31/2016	7/27/2016	8/25/2016	8/26/2016	29	1
20	9/30/2016	8/25/2016	9/26/2016	9/27/2016	32	1
20	10/31/2016	9/26/2016	10/25/2016	10/26/2016	29	1
20	11/30/2016	10/25/2016	11/23/2016	11/24/2016	29	1
20	12/31/2016	11/23/2016	12/23/2016	12/26/2016	30	3
20	1/31/2017	12/23/2016	1/25/2017	1/26/2017	33	1
20	2/28/2017	1/25/2017	2/23/2017	2/24/2017	29	1
20	3/31/2017	2/23/2017	3/27/2017	3/28/2017	32	1
20	4/30/2017	3/27/2017	4/26/2017	4/27/2017	30	1
20	5/31/2017	4/26/2017	5/25/2017	5/26/2017	29	1
20	6/30/2017	5/25/2017	6/26/2017	6/27/2017	32	1
Average Billing Days					30.42	
Average Billing Lag						1.39

Line Notes

- 1/ Number of Days in Bill = Number of days between meter reads
- 2/ Billing lag = Number of days between meter read and bill date. Once billed, the sales become part of A/R and will be included in the Collection Lag calculation.

**National Grid - RI Gas
Utility Service Receivables - Net
Test Year Ended June 30, 2017**

<u>Line No.</u>	<u>Service Period</u>	<u>(1420000) Customer Accounts Receivable</u>	<u>(1440000) Uncollectible Accounts</u>	<u>Utility Service Receivables - Net</u>
	<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d) = (b) - (c)</u>
1				
2	July 2016	\$32,500,811	\$7,766,424	\$24,734,387
3	August 2016	\$28,385,741	\$7,266,492	\$21,119,249
4	September 2016	\$34,939,487	\$6,792,928	\$28,146,559
5	October 2016	\$26,796,088	\$6,531,925	\$20,264,163
6	November 2016	\$32,494,086	\$6,733,010	\$25,761,076
7	December 2016	\$58,282,344	\$7,146,667	\$51,135,677
8	January 2017	\$57,120,871	\$7,793,423	\$49,327,448
9	February 2017	\$61,976,220	\$8,010,224	\$53,965,995
10	March 2017	\$71,606,648	\$8,620,643	\$62,986,005
11	April 2017	\$55,704,294	\$8,272,024	\$47,432,270
12	May 2017	\$42,065,679	\$7,653,157	\$34,412,522
13	June 2017	\$48,174,461	\$7,080,514	\$41,093,947
14	Total	<u>\$550,046,730</u>	<u>\$89,667,431</u>	<u>\$460,379,300</u>

Column Notes

(b) & (c) Per Company books