

The Narragansett Electric Company

d/b/a National Grid

INVESTIGATION AS TO THE
PROPRIETY OF PROPOSED TARIFF
CHANGES

Rebuttal

Second Revised Schedules of:

Melissa A. Little

Schedule MAL-1 (REV-2) through
Schedule MAL-29 (REV-2)

Book 3 of 7

May 9, 2018

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

Submitted by:

nationalgrid

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Revenue Requirement– Electric

Narragansett Electric Company db/a National Grid
Electric - Rate Year 1 August 31, 2019
Summary of Cost of Service Adjustments - Docket 4770
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	(a) \$ Amount Debit/ (Credit)	(b) Tax Effect 1.37%	(c) Uncollectible Change 1.32%	(d) Operating Income Change 7.43%	(e) Total Revenue Req Impact	(f) NECO Electric Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Electric Rate Base	(k) Sch. Worksheet	(l) Data Response
Revenue Requirement (Original)														
Return														
1	Calculation of the tax gross-up on the requested base revenue increase	Operating Income After Income Taxes	(\$7,318,085)				(\$7,318,085)	\$313,169,252			\$0	\$758,249,458		
2	Service Company Remits	O&M	\$20,382	\$0	\$269	\$0	\$20,651	\$313,189,903			\$0	\$758,249,458		
3	Gas Business Enablement	O&M	(\$62,492)	\$0	(\$825)	\$0	(\$63,317)	\$313,126,586			\$0	\$758,249,458		
4	Calculation of federal income tax expense for adjusted Rate Year	Income taxes	(\$2,695,489)	(\$740,503)	(\$47,076)	(\$130,153)	(\$3,613,222)	\$309,513,364	(\$1,751,728)		(\$1,751,728)	\$756,497,730		
5	Tax impact of REV-1 O&M Adjustments	Income taxes	(\$161,155)	(\$42,839)	(\$2,693)	\$0	(\$206,687)	\$309,306,677			\$0	\$756,497,730		
6	Depr. MACRS correction	Rate Base	(\$345,587)	(\$29,322)	(\$1,875,628)	(\$2,250,537)	(\$307,056,140)	(\$25,243,979)	(\$25,243,979)		(\$25,243,979)	\$731,253,751		
7	Five Quarter Average Correction	Rate Base	(\$175,535)	(\$14,724)	(\$941,825)	(\$1,150,082)	(\$305,926,059)	(\$12,675,980)	(\$12,675,980)		(\$12,675,980)	\$718,577,771		
8	Tax reform impact on rate base	Rate Base	\$108,288	\$9,188	\$587,718	\$705,193	\$306,631,252	\$726,487,833			\$7,910,062	\$726,487,833		
9	Accumulated Deferred FIT Loss on Rate Base	Rate Base	(\$680)	(\$58)	(\$3,689)	(\$4,426)	\$306,626,826		(\$49,648)		(\$49,648)	\$726,438,185		
	Revenue Requirement as submitted March 2, 2018 (REV-1)		(\$10,216,839)	(\$1,194,853)	(\$85,241)	(\$2,363,578)	(\$13,860,511)	\$306,626,826				\$726,438,185	Schedule MAL-2-ELEC	
10	ISR revenue estimates adjusted to utilize a 21% FIT rate.	Revenue	\$100,487				\$0	\$306,626,826						
11	Jul 2017 Streetlight retirement of \$1,057,011 was adjusted on the Plant Cost but forgot to adjust on Acc. Depreciation	Rate Base	\$0	\$14,470	\$1,228	\$78,536	\$94,234	\$306,721,060		\$1,057,011	\$1,057,011	\$727,495,196	Schedule MAL-6-ELEC, P 1, L 25	
12	Payroll Tax: adjustment due to labor change	Payroll Tax	(\$3,546)	\$0	(\$47)	\$0	(\$3,593)	\$306,717,467			\$0	\$727,495,196	Schedule MAL-8	
13	Income Taxes: Adjustment to reflect amortization of excess deferred income taxes	Income taxes	(\$4,080,912)	\$0	(\$53,872)	\$0	(\$4,134,784)	\$302,582,683			\$0	\$727,495,196	Schedule MAL-10	
14	Calculation of federal income tax expense for adjusted Rate Year	Income taxes	\$738,598	\$0	\$9,750	\$0	\$748,348	\$303,331,031			\$0	\$727,495,196	Schedule MAL-10	
15	Rate Base Mats & Supplies- Incorrectly calculated IFA piece in TY (Div 2-3)	Rate Base	\$0	\$1,544	\$131	\$8,379	\$10,054	\$303,341,085		\$112,772	\$112,772	\$727,607,968	Schedule MAL-11-ELEC	
16	Rate Base Loss on reacquired debt- Incorrectly calculated IFA piece in TY (Div 2-3)	Rate Base	\$0	\$130	\$11	\$707	\$849	\$303,341,934		\$9,522	\$9,522	\$727,617,490	Schedule MAL-11-ELEC	
17	CWC Rate Base - Incorrectly calculated IFA piece in TY (Div 2-3)	Rate Base	\$0	(\$13,629)	(\$1,156)	(\$73,972)	(\$88,757)	\$303,253,177	(\$995,580)		(\$995,580)	\$726,621,910	Schedule MAL-11-ELEC	
18	Ratebase Unamortized Debt cost - Discovery 2-3	Rate Base	\$0	(\$203)	(\$17)	(\$1,103)	(\$1,323)	\$303,251,854		(\$14,839)	(\$14,839)	\$726,607,071	Schedule MAL-11-ELEC	

Narragansett Electric Company d/b/a National Grid
Electric - Rate Year 1 August 31, 2019
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Adj No.	Description	Category	\$ Amount Debit/(Credit)	(b) 1.37% Tax Effect	(c) 1.32% Uncollectible Change	(d) 7.43% Operating Income Change	(e) Total Revenue Req Impact	(f) NECO Electric Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Electric Rate Base	(k) Sch. W. Workpaper	(l) Data Response
19	Rate Base Accumulated Deferred FIT	Rate Base	\$0	\$23,368	\$1,983	\$126,828	\$152,179	\$303,404,032		\$1,706,969	\$1,706,969	\$728,314,040	Schedule MAL-11-ELEC	
20	CWC Rate Base: Adjustment to cash working capital to incorporate Rate Year O&M in the calculation	Rate Base	\$0	\$24,235	\$2,056	\$131,533	\$157,825	\$303,561,857	1,770,298		\$1,770,298	\$730,084,339	Schedule MAL-11-ELEC	
21	Rate Base: adjustment due to labor change	Rate Base	\$0	\$0	\$0	\$0	\$0	\$303,561,857			\$0	\$730,084,339	Schedule MAL-11-ELEC	
22	Adjustment to IFA piece of expenses and a change to depreciation	Rate Base	\$0	\$0	\$0	\$0	\$0	\$303,561,857			\$0	\$730,084,339	Schedule MAL-11-ELEC	DIV 2-3
23	Should have backed out ALL Band A variable pay, not just financial component	O&M	(\$112,087)	\$0	(\$1,480)	\$0	(\$113,567)	\$303,448,290			\$0	\$730,084,339	Schedule MAL-12	
24	Labor: Correct affiliates variable pay normalizing reduction from 146% above target to 160% above target	O&M	(\$853)	\$0	(\$11)	\$0	(\$864)	\$303,447,426			\$0	\$730,084,339	Schedule MAL-12	
25	Wage increases showed different % for Local 12431	O&M	\$26	\$0	\$0	\$0	\$26	\$303,447,452			\$0	\$730,084,339	Schedule MAL-12	
26	Adjusted O&M % for balance sheet adjustments (accounts 242/184)	O&M	(\$13,192)	\$0	(\$174)	\$0	(\$13,366)	\$303,434,086			\$0	\$730,084,339	Schedule MAL-12 Workpaper MAL-4	PUC 1-31
27	Update 2018 non-union wage increase	O&M	\$69,444	\$0	\$917	\$0	\$70,361	\$303,504,447			\$0	\$730,084,339	Schedule MAL-12, Pages 6 through 11	DPU-NG-26-8
28	Service Company A&G Overhead Study Adjustment	O&M	(\$5,005,482)	\$0	(\$39,675)	\$0	(\$3,045,157)	\$300,459,290			\$0	\$730,084,339	Schedule MAL-12, Page 8; Workpaper MAL-4, Page 2	N/A
29	Remove CEI Marketing Analyst double-counted in Customer Affordability Program	O&M	(\$3,046)	\$0	(\$40)	\$0	(\$3,086)	\$300,456,204			\$0	\$730,084,339	Schedule MAL-12, Page 8; Workpaper MAL-4, Page 2	DIV 3-7/DIV 3-9
30	Health Care : adjustment due to labor change	O&M	(\$320,958)	\$0	(\$4,237)	\$0	(\$325,195)	\$300,131,009			\$0	\$730,084,339	Schedule MAL-13	
31	Group Life Insurance: adjustment due to labor change	O&M	(\$411)	\$0	(\$5)	\$0	(\$416)	\$300,130,592			\$0	\$730,084,339	Schedule MAL-14	
32	Thrift Plan: adjustment due to labor change	O&M	(\$1,882)	\$0	(\$25)	\$0	(\$1,907)	\$300,128,685			\$0	\$730,084,339	Schedule MAL-15	
33	Reclass of IFA Rents adjustment - Service Co. Rents	O&M	(\$632,614)	\$0	(\$8,351)	\$0	(\$640,965)	\$299,487,720			\$0	\$730,084,339	Schedule MAL-17	

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34	Service Company Rents - New IS forecast	O&M	\$293,458	\$0	\$3,874	\$0	\$297,332	\$299,785,052	\$0	\$0	\$0	\$730,084,339	Schedule MAL-17	DIV 38-1
35	Microsoft Saas Contract/Renewal-	O&M	\$108,613	\$0	\$1,434	\$0	\$110,047	\$299,895,099	\$0	\$0	\$0	\$730,084,339	Schedule MAL-17	
36	Reclass of IFA Rents adjustment - Joint Facilities	O&M	\$124,617	\$0	\$1,645	\$0	\$126,262	\$300,021,361	\$0	\$0	\$0	\$730,084,339	Schedule MAL-18	
37	Removal of Airplane change from Joint Facilities	O&M	(\$18,458)	\$0	(\$244)	\$0	(\$18,702)	\$300,002,659	\$0	\$0	\$0	\$730,084,339	Schedule MAL-18	
38	Joint Facilities - Inflation	O&M	\$4,915	\$0	\$65	\$0	\$4,980	\$300,007,639	\$0	\$0	\$0	\$730,084,339	Schedule MAL-18	
39	Uninsured Claims adjustment due to labor change	O&M	(\$15,069)	\$0	(\$199)	\$0	(\$15,268)	\$299,992,371	\$0	\$0	\$0	\$730,084,339	Schedule MAL-19	
40	PBOP	O&M	(\$69,600)	\$0	(\$919)	\$0	(\$70,519)	\$299,921,853	\$0	\$0	\$0	\$730,084,339	Schedule MAL-27	
41	Pension	O&M	(\$173,359)	\$0	(\$2,288)	\$0	(\$175,647)	\$299,746,205	\$0	\$0	\$0	\$730,084,339	Schedule MAL-28	
42	Contractors - change in A&G capitalization overhead rate	O&M	(\$748,196)	\$0	(\$9,877)	\$0	(\$758,073)	\$298,988,132	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	
43	Donations - Correct Test Year True Up Adjustment	O&M	(\$15,948)	\$0	(\$211)	\$0	(\$16,158)	\$298,971,974	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	
44	Employee Expenses - change in A&G capitalization overhead rate	O&M	(\$103,094)	\$0	(\$1,361)	\$0	(\$104,455)	\$298,867,519	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	
45	Reclass of IFA Rents adjustment - Third Party Rents (Other O&M)	O&M	\$507,997	\$0	\$6,706	\$0	\$514,703	\$299,382,222	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	
46	Inflation IFA Rents adjustment - Third Party Rents (Other O&M)	O&M	\$23,520	\$0	\$310	\$0	\$23,830	\$299,406,052	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	
47	Contractors, Contact Voltage - remove from TV; recover thru ISR	O&M	(\$231,986)	\$0	(\$3,062)	\$0	(\$235,048)	\$299,171,004	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	Contractor
48	RE Growth labor and benefits were removed from the filing under Other Benefits. Need to reverse this impact.	O&M	\$558,932	\$0	\$7,378	\$0	\$566,310	\$299,737,315	\$0	\$0	\$0	\$730,084,339	Schedule MAL-30	Other Benefits
49	Correct Bonus Depr Calc - GBE	O&M	(\$2,464)	\$0	(\$33)	\$0	(\$2,497)	\$299,734,818	\$0	\$0	\$0	\$730,084,339	Schedule MAL-36	
50	Correct Bonus Depr Calc - GBE	O&M	(\$2,000)	\$0	(\$3)	\$0	(\$2,003)	\$299,734,818	\$0	\$0	\$0	\$730,084,339	Schedule MAL-36	
51	GBE - Change in Allocations from Finance	O&M	\$60,442	\$0	\$798	\$0	\$61,240	\$299,795,855	\$0	\$0	\$0	\$730,084,339	Schedule MAL-36	DIV 17-13
52	Amortization Rate Case expense	Amortization	\$19,727	\$0	\$260	\$0	\$19,987	\$299,815,843	\$0	\$0	\$0	\$730,084,339	Schedule MAL-4-ELEC	
53	Income Tax True-up	True-up	(\$1,833,396)	\$0	(\$24,071)	\$0	(\$1,847,467)	\$297,968,376	\$0	\$0	\$0	\$730,084,339		
54	Uncollectible True-up	True-up	\$1,326	\$0	\$1,326	\$0	\$1,326	\$297,969,702	\$0	\$0	\$0	\$730,084,339		
55														
56	Total Cost of Service adjustments		(\$8,764,650)	\$49,915	(\$112,810)	\$270,909	(\$8,657,123)	\$297,969,702	(\$977,009)	(\$27,188,110)	(\$3,646,154)	\$730,084,339		

Narragansett Electric Company d/b/a National Grid
Electric - Data Year 1 August 31, 2020
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Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	(a) \$ Amount Debit/(Credit)	(b) Tax Effect	(c) Uncollectible Change	(d) Operating Income Change	(e) Total Revenue Req Impact	(f) NECO Electric Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Electric Rate Base	(k) Worksheet	(l) Data Response
1	Revenue Requirement as submitted Nov 27, 2017							\$329,988,973				\$786,010,359		
2	Rate Year Carryforward	Revenue	(\$13,860,511)				(\$13,860,511)					\$786,010,359		
3	Service Company Rents	O&M	(\$36,459)			\$0	(\$36,459)	\$316,092,003				\$754,199,086		
4	Gas Business Embodiment	O&M	\$26,542			\$0	\$26,542	\$316,118,545				\$754,199,086		
5	Uncollectible Accounts true-up	O&M	(\$6,283)			\$0	(\$6,283)	\$316,112,262				\$754,199,086		
6	Tax reform impact on rate base	Rate Base	(\$64,991)			(\$64,991)	(\$64,991)	\$316,047,271				\$753,324,374		
7	Accumulated Deferred FIT Loss on Re Rate Base	Rate Base	(\$1,817)			(\$1,817)	(\$1,817)	\$316,045,454				\$753,299,916		
8	Income tax true-up; impact of 35% on c income tax	Income tax	(\$399,189)			\$0	(\$399,189)	\$315,646,265				\$753,299,916		
	Revenue Requirement as submitted March 2, 2018 (REV-1)							\$315,646,265				\$753,299,916		
9	Carry forward prior year Revenue Requirement Rev-2 less Rev-1	Revenue				(\$8,657,123)	\$306,989,142	\$774,719		\$2,871,435	\$3,646,154	\$756,946,070		Schedule MAL-2-ELEC
10	Revenue: carry forward	Revenue	(\$783,624)			\$0	\$0	\$306,989,142				\$0		Schedule MAL-2-ELEC
11	Payroll Tax: carry forward	Payroll Tax	(\$669)			\$0	(\$678)	\$306,988,464				\$0		Schedule MAL-8
12	Labor - carry forward	O&M	(\$94,400)			\$0	(\$95,646)	\$306,892,818				\$0		Schedule MAL-12
13	Healthcare - carry forward	O&M	(\$9,962)			\$0	(\$10,094)	\$306,882,724				\$0		Schedule MAL-13
14	Group Life - carry forward	O&M	(\$80)			\$0	(\$81)	\$306,882,643				\$0		Schedule MAL-14
15	Thrift plan - carry forward	O&M	(\$297)			\$0	(\$301)	\$306,882,342				\$0		Schedule MAL-15
16	Service Company Rents - carry forward	O&M	(\$56,713)			\$0	(\$57,462)	\$306,824,881				\$0		Schedule MAL-17
17	Joint Facilities- carry forward	O&M	\$2,955			\$0	\$2,994	\$306,827,875				\$0		Schedule MAL-18
18	Uninsured Claims- carry forward	O&M	(\$401)			\$0	(\$406)	\$306,827,468				\$0		Schedule MAL-19
19	Uncollectibles- carry forward	O&M	(\$111,484)			\$0	(\$112,956)	\$306,714,513				\$0		Schedule MAL-22
20	GBE - carry forward	O&M	(\$655)			\$0	(\$664)	\$306,713,849				\$0		Schedule MAL-36
21	Contractors - carry forward	O&M	(\$26,073)			\$0	(\$26,417)	\$306,687,432				\$0		Schedule MAL-30
22	Donations - carry forward	O&M	(\$425)			\$0	(\$431)	\$306,687,001				\$0		Schedule MAL-30
23	Employee Expenses - carry forward	O&M	(\$2,743)			\$0	(\$2,779)	\$306,684,222				\$0		Schedule MAL-30
24	Third Party Rents - carry forward	O&M	\$14,138			\$0	\$14,325	\$306,698,547				\$0		Schedule MAL-30
25	Other Benefits - carry forward	O&M	\$14,867			\$0	\$15,063	\$306,713,610				\$0		Schedule MAL-30
26	Income Tax - carry forward	Income tax	(\$1,597,094)			\$0	(\$1,618,177)	\$305,095,433				\$0		Schedule MAL-10-ELEC
27	Accumulated Deferred Income Tax	Rate Base	\$0	\$62,324	\$5,288	\$338,255	\$405,867	\$305,501,300			\$4,552,562	\$761,498,632		Schedule MAL-11-ELEC
28	Ratebase Unamortized Debt cost - Disc	Rate Base	\$0	\$203	\$17	\$1,103	\$1,323	\$305,502,623			\$14,839	\$761,513,471		Schedule MAL-11-ELEC
29	Income Tax True-up	True-up	\$1,597,093			\$0	\$1,618,176	\$307,120,799				\$0		Schedule MAL-11-ELEC
30	Uncollectible True-up	True-up	\$102,612			\$0	\$102,612	\$307,223,411				\$0		Schedule MAL-11-ELEC
31	Total Cost of Service adjustments		(\$169,331)			\$62,527	\$1,715	\$339,358			\$234,269	\$761,513,471		
32	Total Cost of Service adjustments							\$307,223,411			\$0	\$4,567,401		

Narragansett Electric Company d/b/a National Grid
Electric - Data Year 2 August 31, 2021
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Adj No.	Description	Category	(a) \$ Amount Credit (-)	(b) 1.37% Tax Effect	(c) 1.32% Uncollectible Change	(d) 7.43% Operating Income Change	(e) Total Revenue Req Impact	(f) NECO Electric Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Electric Rate Base	(k) Worksheet	(l) Data Response
1	Revenue Requirement as submitted Nov 27, 2017						\$0	\$339,613,907			\$0	\$825,211,839		
2	Data Year 1 Carryforward	Revenue	(\$14,342,708)				(\$14,342,708)	\$325,271,199	(\$1,751,728)	(\$30,958,715)	(\$32,710,443)	\$792,501,396		
3	Service Company Rents	O&M	\$5,090			\$0	\$5,090	\$325,276,289			\$0	\$792,501,396		
4	Gas Business Enablement	O&M	\$27,402			\$0	\$27,402	\$325,303,691			\$0	\$792,501,396		
5	Uncollectible Accounts true-up	O&M	\$27,776			\$0	\$27,776	\$325,331,467			\$0	\$792,501,396		
6	Tax reform impact on rate base	Rate Base				(\$1,275,544)	(\$1,275,544)	\$324,055,923		(\$17,167,478)	(\$17,167,478)	\$775,333,918		
7	Accumulated Deferred FIT Loss on Reacquired Debt	Rate Base				(\$1,191)	(\$1,191)	\$324,054,733		(\$16,025)	(\$16,025)	\$775,317,893		
8	Income tax true-up; impact of 35% on expected income growth vs 21% on actual income growth	Income taxes	(\$840,237)			\$0	(\$840,237)	\$323,214,496			\$0	\$775,317,893		
Revenue Requirement as submitted March 2, 2018 (REV-1)														
9	Carry forward prior year Revenue Requirement Rev-2 less Rev-1	Revenue					(\$8,422,854)	\$314,791,642	\$74,719	\$7,438,836	\$8,213,555	\$783,531,447	Schedule MAL-2-ELEC	
10	Revenue: carry forward	Revenue	(\$396,548)				\$0	\$314,791,642			\$0	\$783,531,447	Schedule MAL-2-ELEC	
11	Payroll Tax: carry forward	Payroll Tax	(\$281)		(\$4)	\$0	(\$285)	\$314,791,357			\$0	\$783,531,447	Schedule MAL-8	
12	Labor - carry forward	O&M	(\$94,867)		(\$1,252)	\$0	(\$96,119)	\$314,695,238			\$0	\$783,531,447	Schedule MAL-12	
13	Healthcare - carry forward	O&M	(\$9,630)		(\$127)	\$0	(\$9,757)	\$314,685,481			\$0	\$783,531,447	Schedule MAL-13	
14	Group Life - carry forward	O&M	(\$26)		(\$0)	\$0	(\$26)	\$314,685,454			\$0	\$783,531,447	Schedule MAL-14 DIV 2-3	
15	Thrift plan - carry forward	O&M	(\$63)		(\$1)	\$0	(\$64)	\$314,685,391			\$0	\$783,531,447	Schedule MAL-15	
16	Service Company Rents - carry forward	O&M	\$812,277		\$10,723	\$0	\$823,000	\$315,508,390			\$0	\$783,531,447	Schedule MAL-17	
17	Joint Facilities- carry forward	O&M	\$2,770		\$37	\$0	\$2,807	\$315,511,197			\$0	\$783,531,447	Schedule MAL-18	
18	Uninsured Claims- carry forward	O&M	(\$376)		(\$5)	\$0	(\$381)	\$315,510,816			\$0	\$783,531,447	Schedule MAL-19	
19	Uncollectibles- carry forward	O&M	(\$71,157)		(\$94)	\$0	(\$72,251)	\$315,503,564			\$0	\$783,531,447	Schedule MAL-22	
20	GBE - carry forward	O&M	\$2,980		\$39	\$0	\$3,019	\$315,506,584			\$0	\$783,531,447	Schedule MAL-36	
21	Contractors - carry forward	O&M	(\$24,452)		(\$323)	\$0	(\$24,775)	\$315,481,809			\$0	\$783,531,447	Schedule MAL-30	
22	Donations - carry forward	O&M	(\$3,998)		(\$5)	\$0	(\$4,043)	\$315,481,406			\$0	\$783,531,447	Schedule MAL-30	
23	Employee Expenses - carry forward	O&M	(\$2,572)		(\$34)	\$0	(\$2,606)	\$315,478,800			\$0	\$783,531,447	Schedule MAL-30	
24	Third Party Rents - carry forward	O&M	\$13,261		\$175	\$0	\$13,436	\$315,492,236			\$0	\$783,531,447	Schedule MAL-30	
25	Other Benefits - carry forward	O&M	\$13,944		\$184	\$0	\$14,128	\$315,506,364			\$0	\$783,531,447	Schedule MAL-30	
26	Income Tax - carry forward	Income taxes	(\$202,532)		(\$2,674)	\$0	(\$205,206)	\$315,301,158			\$0	\$783,531,447	Schedule MAL-10-ELEC	
27	Accumulated Deferred Income Tax	Rate Base	\$0	\$63,783	\$5,412	\$346,173	\$415,368	\$315,716,526		\$4,659,131	\$4,659,131	\$788,190,578	Schedule MAL-11-ELEC	
28	Income Tax True-up	True-up	\$202,533		\$2,674	\$0	\$205,207	\$315,921,733			\$0	\$788,190,578		
29	Uncollectible True-up	True-up	\$2,017		\$0	\$0	\$2,017	\$315,923,750			\$0	\$788,190,578		
30														
31	Total Cost of Service adjustments		\$707,428	\$63,783	\$14,724	\$346,173	\$1,132,108	\$315,923,750	\$0	\$4,659,131	\$4,659,131	\$788,190,578		

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Electric Operations Income and Revenue Deficiency Summary
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Schedule Reference	Test Year Ended June 30, 2017 (a)	Normalizing Adjustments (b)	Test Year Ended June 30, 2017 Adjusted (c) = (a) + (b)	Proforma Adjustments (c)	Rate Year Ending August 31, 2019 (e) = (c) + (d)	Base Revenue Increase Required (f)	Rate Year Ending August 31, 2019 with Base Revenue Requirement (g) = (e) + (f)	
1	Revenues	Schedule MAL-2-ELEC (Rev-2)	\$906,848,280	(\$627,513,858)	\$279,334,422	(\$242,479)	\$279,091,943	\$18,877,761	\$297,969,704
2									
3	Purchased Power & Other Reconciling Expense	Schedule MAL-3 (Rev-2)	\$304,255,398	(\$304,255,398)	\$0	\$0	\$0	\$0	\$0
4									
5	Net Distribution Revenues		\$602,592,882	(\$323,258,459)	\$279,334,422	(\$242,479)	\$279,091,943	\$18,877,761	\$297,969,704
6									
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$304,575,180	(\$162,801,061)	\$141,774,119	\$9,385,518	\$151,159,637	\$245,957	\$151,405,594
8									
9	Amortization of Regulatory Deferrals	Schedule MAL-4-ELEC (Rev-2)	\$8,454	(\$8,454)	\$0	\$352,210	\$352,210	\$0	\$352,210
10									
11	Amortization of Utility Plant	Schedule MAL-5-ELEC (Rev-2)	\$62,962	(\$62,962)	\$0	\$0	\$0	\$0	\$0
12									
13	Depreciation	Schedule MAL-6-ELEC (Rev-2)	\$69,031,187	(\$19,869,812)	\$49,161,375	\$1,770,914	\$50,932,289	\$0	\$50,932,289
14									
15	Municipal Taxes	Schedule MAL-7-ELEC (Rev-2)	\$49,702,787	(\$20,023,313)	\$29,679,474	\$850,784	\$30,530,258	\$0	\$30,530,258
16									
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	\$8,148,712	(\$4,420,053)	\$3,728,658	\$467,292	\$4,195,950	\$0	\$4,195,950
18									
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$32,568,650	(\$32,568,650)	\$0	\$0	\$0	\$0	\$0
20									
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$434,298	\$0	\$434,298	\$20,108	\$454,406	\$0	\$454,406
22									
23	Interest on Customer Deposits	Workpaper MAL-2-ELEC (Rev-2)	\$0	\$0	\$0	\$132,127	\$132,127	\$0	\$132,127
24									
25	Total Operating Revenue Deductions		\$464,532,229	(\$239,754,305)	\$224,777,924	\$12,978,953	\$237,756,877	\$245,957	\$238,002,834
26									
27	Operating Income Before Income Taxes		\$138,060,652	(\$83,504,154)	\$54,556,498	(\$13,221,432)	\$41,335,066	\$18,631,804	\$59,966,870
28									
29	Income Taxes	Schedule MAL-10-ELEC (Rev-2)					\$1,808,925	\$3,912,679	\$5,721,603
30									
31	Operating Income After Income Taxes						\$39,526,141	\$14,719,125	\$54,245,266
32									
33	Rate Base	Schedule MAL-11-ELEC (Rev-2)					\$730,084,338		\$730,084,338
34									
35	Rate of Return					5.41%		Line 31(e) / Line 33(e)	
36									
37									
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52									
53									

Revenue Deficiency		
Earned Rate of Return	5.41%	Line 35 (e)
Rate Year Required Rate of Return	7.43%	Page 4, Line 9 (c)
Rate of Return Deficiency	2.02%	Line 40 - Line 39
Rate Base	\$730,084,338	Line 33 (e)
Net Operating Income Deficiency	\$14,719,125	
Gross Revenue Conversion Factor	1.282533	Line 53
Revenue Deficiency	\$18,877,761	Line 43 / Line 44
Gross Revenue Conversion Factor		
Gross Revenue	1.000000	
Uncollectible expense	(0.013029)	Schedule MAL-22, Page 6, Line 15
Revenue net of Uncollectibles	0.986971	
Composite income tax rate	(0.20726)	Line 50 x (- 21%)
Net income effect of 1.000 Revenue	0.779707	Line 50 + Line 51
Gross Revenue Conversion Factor	1.2825328	1 / Line 52

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Electric Operations Income and Revenue Deficiency Summary
For Rate Year Ending August 31, 2019 to Data Year 1 Ending August 31, 2020

	Schedule Reference	Rate Year Ending August 31, 2019 (a)	Reflect Conditions in the Rate Year (b)	Data Year 1 Ending August 31, 2020 (c) = (a) + (b)	Base Revenue Increase Required (d)	Data Year 1 Ending August 31, 2020 with Base Revenue Requirement (e) = (c) + (d)	
1	Revenues	Schedule MAL 2-ELEC (Rev-2)	\$297,969,704	\$4,342,573	\$302,312,277	\$4,911,141	\$307,223,418
2							
3	Purchased Power & Other Reconciling Exp	Schedule MAL-3 (Rev-2)	\$0	\$0	\$0	\$0	\$0
4							
5	Net Distribution Revenues		<u>\$297,969,704</u>	<u>\$4,342,573</u>	<u>\$302,312,277</u>	<u>\$4,911,141</u>	<u>\$307,223,418</u>
6							
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$151,405,594	\$3,410,319	\$154,815,914	\$63,987	\$154,879,901
8							
9	Amortization of Regulatory Deferrals	Schedule MAL-4-ELEC (Rev-2)	\$352,210	\$0	\$352,210	\$0	\$352,210
10							
11	Amortization of Utility Plant	Schedule MAL-5-ELEC (Rev-2)	\$0	\$0	\$0	\$0	\$0
12							
13	Depreciation	Schedule MAL-6-ELEC (Rev-2)	\$50,932,289	\$1,735,100	\$52,667,389	\$0	\$52,667,389
14							
15	Municipal Taxes	Schedule MAL-7-ELEC (Rev-2)	\$30,530,258	\$1,019,417	\$31,549,675	\$0	\$31,549,675
16							
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	\$4,195,950	\$88,525	\$4,284,475	\$0	\$4,284,475
18							
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$0	\$0	\$0	\$0	\$0
20							
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$454,406	\$12,087	\$466,493	\$0	\$466,493
22							
23	Interest on Customer Deposits	Workpaper MAL-2-ELEC (Rev-2)	<u>\$132,127</u>	<u>\$172,340</u>	<u>\$304,467</u>	<u>\$0</u>	<u>\$304,467</u>
24							
25	Total Operating Revenue Deductions		<u>\$238,002,834</u>	<u>\$6,437,789</u>	<u>\$244,440,623</u>	<u>\$63,987</u>	<u>\$244,504,610</u>
26							
27	Operating Income Before Income Taxes		<u>\$59,966,870</u>	<u>(\$2,095,216)</u>	<u>\$57,871,654</u>	<u>\$4,847,154</u>	<u>\$62,718,808</u>
28							
29	Income Taxes	Schedule MAL-10-ELEC (Rev-2)			<u>\$5,120,455</u>	<u>\$1,017,902</u>	<u>\$6,138,357</u>
30							
31	Operating Income After Income Taxes				<u>\$52,751,199</u>	<u>\$3,829,252</u>	<u>\$56,580,451</u>
32							
33	Rate Base	Schedule MAL-11-ELEC (Rev-2)		<u>\$761,513,470</u>	<u>\$761,513,470</u>		<u>\$761,513,470</u>
34							
35	Rate of Return			<u>6.93%</u>		Line 31(c) / Line 33(c)	
36							
37							
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53							

	Revenue Deficiency		
	Earned Rate of Return	6.93%	Line 35 (c)
	Rate Year Required Rate of Return	7.43%	Page 4, Line 9 (c)
	Rate of Return Deficiency	0.50%	Line 40 - Line 39
	Rate Base	\$761,513,470	Line 33 (c)
	Net Operating Income Deficiency	\$3,829,252	
	Gross Revenue Conversion Factor	1.282533	Line 53
	Revenue Deficiency	<u>\$4,911,141</u>	Line 43 / Line 44
	Gross Revenue Conversion Factor		
	Gross Revenue	1.000000	
	Uncollectible expense	(0.013029)	Schedule MAL-22, Page 6, Line 15
	Revenue net of Uncollectibles	0.986971	
	Composite income tax rate	(0.20726)	Line 50 x (- 21%)
	Net income effect of 1.000 Revenue	0.779707	Line 50 + Line 51
	Gross Revenue Conversion Factor	<u>1.2825328</u>	1 / Line 52

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Electric Operations Income and Revenue Deficiency Summary
For Data Year 1 Ending August 31, 2020 to Data Year 2 Ending August 31, 2021

	Schedule Reference	Data Year 2 Ending August 31, 2021 (a)	Reflect Conditions in the Rate Year (b)	Data Year 2 Ending August 31, 2021 Adjusted (c) = (a) + (b)	Base Revenue Increase Required (d)	Data Year 2 Ending August 31, 2021 with Base Revenue Requirement (e) = (c) + (d)	
1	Revenues	Schedule MAL-2-ELEC (Rev-2)	\$307,223,418	\$4,037,746	\$311,261,164	\$4,662,589	\$315,923,754
2							
3	Purchased Power & Other Reconciling Exp	Schedule MAL-3 (Rev-2)	\$0	\$0	\$0	\$0	\$0
4							
5	Net Distribution Revenues		\$307,223,418	\$4,037,746	\$311,261,164	\$4,662,589	\$315,923,754
6							
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$154,879,901	\$3,422,346	\$158,302,247	\$60,749	\$158,362,995
8							
9	Amortization of Regulatory Deferrals	Schedule MAL-4-ELEC (Rev-2)	\$352,210	\$0	\$352,210	\$0	\$352,210
10							
11	Amortization of Utility Plant	Schedule MAL-5-ELEC (Rev-2)	\$0	\$0	\$0	\$0	\$0
12							
13	Depreciation	Schedule MAL-6-ELEC (Rev-2)	\$52,667,389	\$1,727,256	\$54,394,644	\$0	\$54,394,644
14							
15	Municipal Taxes	Schedule MAL-7-ELEC (Rev-2)	\$31,549,675	\$1,053,456	\$32,603,132	\$0	\$32,603,132
16							
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	\$4,284,475	\$82,186	\$4,366,661	\$0	\$4,366,661
18							
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$0	\$0	\$0	\$0	\$0
20							
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$466,493	\$11,336	\$477,829	\$0	\$477,829
22							
23	Interest on Customer Deposits	Workpaper MAL-2-ELEC (Rev-2)	\$304,467	(\$4,308)	\$300,158	\$0	\$300,158
24							
25	Total Operating Revenue Deductions		\$244,504,610	\$6,292,271	\$250,796,882	\$60,749	\$250,857,630
26							
27	Operating Income Before Income Taxes		\$62,718,808	(\$2,254,525)	\$60,464,283	\$4,601,841	\$65,066,124
28							
29	Income Taxes	Schedule MAL-10-ELEC (Rev-2)			\$5,537,177	\$966,387	\$6,503,564
30							
31	Operating Income After Income Taxes				\$54,927,106	\$3,635,454	\$58,562,560
32							
33	Rate Base	Schedule MAL-11-ELEC (Rev-2)			\$788,190,578		\$788,190,578
34							
35	Rate of Return				6.97%	Line 31(c) / Line 33(c)	
36							
37							
38							
39					<u>Revenue Deficiency</u>		
40					Earned Rate of Return	6.97%	Line 35 (c)
41					Rate Year Required Rate of Return	7.43%	Page 4, Line 9 (c)
42					Rate of Return Deficiency	0.46%	Line 40 - Line 39
43					Rate Base	\$788,190,578	Line 33 (c)
44					Net Operating Income Deficiency	\$3,635,454	
45					Gross Revenue Conversion Factor	1.282533	Line 53
46					Revenue Deficiency	\$4,662,589	Line 43 / Line 44
47					<u>Gross Revenue Conversion Factor</u>		
48					Gross Revenue	1.000000	
49					Uncollectible expense	(0.013029)	Schedule MAL-22, Page 6, Line 15
50					Revenue net of Uncollectibles	0.986971	
51					Composite income tax rate	(0.20726)	Line 50 x (- 21%)
52					Net income effect of 1.000 Revenue	0.779707	Line 50 + Line 51
53					Gross Revenue Conversion Factor	1.2825328	1 / Line 52

The Narragansett Electric Company d/b/a National Grid
Cost of Capital
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

Description	Capital Structure (a)	Cost Rate (b)	Weighted Return (c) = (a) x (b)	Taxes (d)	Pre-tax Return (e) = (c)+(d)
1 Short Term Debt	0.45%	1.76%	0.01%		0.01%
2					
3 Long Term Debt	48.47%	4.69% (1)	2.27%		2.27%
4					
5 Preferred Stock	0.11%	4.50%	0.00%		0.00%
6					
7 Total Common Equity	<u>50.97%</u>	10.10%	<u>5.15%</u>	<u>1.37% (2)</u>	<u>6.52%</u>
8					
9 Total Capitalization	<u><u>100.00%</u></u>		<u><u>7.43%</u></u>	<u><u>1.37%</u></u>	<u><u>8.80%</u></u>

Notes

- (1) Company's Effective Cost of Long Term Debt
- (2) Line 3(c) / (1-21%) - Line 3(c)

Column Notes

- (a) As referenced in Pre-filed Direct Testimony of Robert B. Hevert, page 2 of 2 Lines 14 through 18

Line Notes

- 1(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert., page 78 of 93 Line 13
- 3(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert., page 78 of 93 Line 4
- 5(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert., page 78 of 93 Line 10
- 7(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert., page 83 of 93 Line 13

Schedule MAL-1-GAS (REV-2)

Revenue Requirement – Gas

Narragansett Electric Company d/b/a National Grid
Gas - Rate Year August 31, 2019
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	\$ Amount Debit/(Credit)	(a)	(b) 1.37%	(c) 2.13%	(d) 7.67%	(e)	(f) NECO Gas Revenue Requirement	(g) Working Capital Impact	(h) Other Rate Base	(i) Total Rate Base	(j) NECO Gas Rate Base	(k) Schedule / Worksheet	(l) Data Response
2017															
Revenue Requirement as submitted Nov 27, 2017															
Return															
1	Calculation of the tax gross-up on the requested base revenue increase	(Operating Income After Income Taxes)	(\$5,373,615)					(\$5,373,615)	\$239,472,518	\$0		\$0	\$773,427,484	Schedule MAL-1 Gas	
2	Service Company Rents	O&M	(\$1,666)					(\$1,701)	\$239,470,817				\$773,427,484	Schedule MAL-17	
3	Gas Business Enablement	O&M	(\$232,849)					(\$237,799)	\$239,233,018				\$773,427,484	Schedule MAL-36	
4	Calculation of federal income tax expense for adjusted Rate Year taxable income	Income taxes	(\$4,344,908)	(\$1,165,925)	(\$118,432)	(\$61,347)		(\$5,690,632)	\$233,542,386	(\$799,826)		(\$799,826)	\$772,627,658	Schedule MAL-10 Gas	
5	Tax impact of REV-1 O&M Adjustments	Income taxes	(\$82,364)	(\$21,894)	(\$2,216)			(\$106,475)	\$233,435,911				\$772,627,658	Schedule MAL-1 Gas	
6	MACRS depreciation on embedded plant	Rate Base		(\$306,052)	(\$42,957)	(\$1,714,711)		(\$2,063,720)	\$231,372,191		(\$22,356,074)	(\$22,356,074)	\$750,271,584	Schedule MAL-11 Gas	
7	Tax reform impact to Rate Base	Rate Base		\$231,333	\$32,470	\$1,296,085		\$1,559,887	\$232,932,078	\$16,898,104		\$16,898,104	\$767,169,688	Schedule MAL-1 Gas	
Revenue Requirement Tax Reform (REV-4)			(\$10,035,402)	(\$1,262,538)	(\$136,141)	(\$479,973)		(\$11,914,055)	\$232,932,078	\$16,098,278	(\$22,356,074)	(\$6,257,796)	\$767,169,688		
8	ISR revenue estimates adjusted to utilize a 21% FIT rate.	Revenue	\$1,760,103	\$0	\$0	\$0	\$0	\$0	\$232,932,078			\$0	\$767,169,688		
9	Amort of Regulatory Deferrals; Rate case expense	O&M	\$9,438	\$0	\$201	\$0	\$0	\$9,639	\$232,941,717			\$0	\$767,169,688	Schedule MAL-4 Gas	
10	Depreciation; Expense Flow thru	O&M	(\$110,579)	\$0	(\$2,351)	\$0	(\$112,930)	\$232,828,787				\$0	\$767,169,688	Schedule MAL-6 Gas	
11	Payroll Taxes; Labor Flow-thru	Payroll Tax	(\$67,059)	\$0	(\$1,426)	\$0		(\$68,485)	\$232,760,303			\$0	\$767,169,688	Schedule MAL-8 Gas	
12	Income Taxes; Expense Flow thru	Income taxes	(\$1,616,145)	\$0	(\$34,356)	\$0	(\$1,650,501)	\$231,109,802				\$0	\$767,169,688	Schedule MAL-10 Gas	
13	Labor; Should have backed out ALL Band A variable pay, not just financial component	O&M	(\$67,953)	\$0	(\$1,445)	\$0	(\$69,398)	\$231,040,404				\$0	\$767,169,688	Schedule MAL-12, MAL-4, Page 6	
14	Labor; Correct affiliates variable pay normalizing reduction from 146% above target to 160% above target	O&M	(\$376)	\$0	(\$8)	\$0	(\$384)	\$231,040,020				\$0	\$767,169,688	Schedule MAL-12, MAL-4, Page 7	
15	Labor; Union wage increases omitted 7/20/17 increase for union 310C	O&M	\$63,659	\$0	\$1,353	\$0	\$65,012	\$231,105,033				\$0	\$767,169,688	Schedule MAL-12, MAL-4, Page 15	
16	Labor; Wage increases showed different %s for Local 12431	O&M	\$5,935	\$0	\$126	\$0	\$6,061	\$231,111,094				\$0	\$767,169,688	Schedule MAL-12, MAL-4, Page 15	
17	Labor; Update 2018 non-union wage increase	O&M	\$37,963	\$0	\$807	\$0	\$38,770	\$231,149,864				\$0	\$767,169,688	Schedule MAL-12, DPU-NG-26-8, Pages 7, 9, and 11	
18	Labor; Service Company A&G Overhead Study Adjustment	O&M	(\$1,471,802)	\$0	(\$31,287)	\$0	(\$1,503,089)	\$229,646,775				\$0	\$767,169,688	Schedule MAL-12, MAL-4, Page 16	

Narragansett Electric Company d/b/a National Grid
Gas - Rate Year August 31, 2019
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No	Description	Category	\$ Amount Debit/(Credit)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
					Tax Effect	Uncollectible Change	Operating Income Change	Total Revenue Req Impact	NECO Gas Revenue Requirement	Working Capital	Other Rate Base	Total Rate Base Impact	NECO Gas Rate Base	Schedule / Workpaper	Data Response
19	Labor; Remove one double-counted analyst	O&M	(\$1,797)		\$0	(\$38)	\$0	(\$1,835)	\$229,644,939			\$0	\$767,169,688	Schedule MAL-12, Page 9 / Workpaper	DIV 3-7 / DIV 3-9
20	Health Care CAPEX/OPEX+	O&M	(\$159,367)		\$0	(\$3,388)	\$0	(\$162,755)	\$229,482,185			\$0	\$767,169,688	Schedule MAL-14	
21	Group Life Insurance CAPEX/OPEX+	O&M	(\$137)		\$0	(\$3)	\$0	(\$140)	\$229,482,045			\$0	\$767,169,688	Schedule MAL-15	
22	Thrift Plan CAPEX/OPEX+	O&M	(\$275)		\$0	(\$6)	\$0	(\$281)	\$229,481,764			\$0	\$767,169,688	Schedule MAL-15	
23	Service Company Retiree/SAAS Contract renewal	O&M	\$77,730		\$0	\$1,652	\$0	\$79,382	\$229,561,146			\$0	\$767,169,688	Schedule MAL-17	DIV 38-1
24	Joint Facilities Removal of fairplane costs	O&M	(\$6,101)		\$0	(\$130)	\$0	(\$6,231)	\$229,554,915			\$0	\$767,169,688	Schedule MAL-18	
25	Uninsured Claims Labor Flow-thru	O&M	(\$5,369)		\$0	(\$114)	\$0	(\$5,483)	\$229,549,432			\$0	\$767,169,688	Schedule MAL-19	
26	PBOP - Labor Flow-thru	O&M	(\$33,632)		\$0	(\$715)	\$0	(\$34,347)	\$229,515,085			\$0	\$767,169,688	Schedule MAL-27	
27	Pension - Labor Flow-thru	O&M	(\$80,901)		\$0	(\$1,720)	\$0	(\$82,621)	\$229,432,465			\$0	\$767,169,688	Schedule MAL-28	
28	Gas Business Enablement/Allocation / bonus depreciation	O&M	\$5,465		\$0	\$116	\$0	\$5,581	\$229,438,046			\$0	\$767,169,688	Schedule MAL-36	DIV 17-13
29	Contractors: Capitalization A&G O&M Adj	O&M	(\$410,505)		\$0	(\$8,726)	\$0	(\$419,231)	\$229,018,814			\$0	\$767,169,688	Schedule MAL-19	
30	Donations: True-up adjustment	O&M	(\$5,775)		\$0	(\$123)	\$0	(\$5,898)	\$229,012,917			\$0	\$767,169,688	Schedule MAL-30	
31	EE Expenses: Capitalization A&G O&M Adj	O&M	(\$60,824)		\$0	(\$1,293)	\$0	(\$62,117)	\$228,950,800			\$0	\$767,169,688	Schedule MAL-30	
32	Capital Investment change	Rate Base	(\$47,375)		(\$47,375)	(\$6,650)	(\$265,429)	(\$319,454)	\$228,631,346		(\$3,460,614)	(\$3,460,614)	\$763,709,074	Schedule MAL-11	DIV 16-24
33	Capital Investment change	Rate Base	(\$4,365)		(\$4,365)	(\$613)	(\$24,454)	(\$29,432)	\$228,601,914		(\$318,829)	(\$318,829)	\$763,390,245	Schedule MAL-11	DIV 16-24
34	Cash Working Capital	Rate Base	\$3,337		\$3,337	\$468	\$18,696	\$22,501	\$228,624,415		\$243,752	\$243,752	\$763,633,997	Schedule MAL-42	
35	Excess Deferred Tax Amortization	Rate Base	\$21,729		\$21,729	\$3,050	\$121,742	\$146,522	\$228,770,937		\$1,587,254	\$1,587,254	\$765,221,251	Schedule MAL-11	PUC Set 4
36	Calculation of federal income tax expense for adjusted Rate Year taxable income	True-Up	(\$581,462)		\$0	(\$12,361)	\$0	(\$593,823)	\$228,177,114		\$0	\$0	\$765,221,251	Schedule MAL-1	
37	Uncollectible True-up	True-Up	\$37,416		\$0	\$37,416	\$0	\$37,416	\$228,214,530		\$0	\$0	\$765,221,251	Schedule MAL-22	
	Revenue Requirement Rebuttal (REV-2)		(\$2,682,350)		(\$26,674)	(\$98,976)	(\$149,445)	(\$4,717,548)	\$228,214,530		(\$2,192,189)	(\$1,948,437)	\$765,221,251		

Narragansett Electric Company d/b/a National Grid
Gas - Data Year 1 August 31, 2020
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	\$ Amount Debit/(Credit)	(a)	(b) 1.37%	(c) 2.13%	(d) 7.67%	(e)	(f) NECO Gas Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Gas Rate Base	(k) Schedule / Work-paper	(l) Data Response
Revenue Requirement as submitted															
Nov 27, 2017															
1	Rate Year Carry forward	Revenue	(\$11,914,055)	(\$11,914,055)					\$249,500,661	\$16,098,278	(\$22,356,074)	(\$6,257,796)	\$834,032,889		
2	Service Company Rents	O&M	(\$13,142)					(\$13,142)	\$249,487,519			\$0	\$834,032,889		Schedule MAL-17
3	Gas Business Enablement	O&M	\$32,647					\$32,647	\$249,520,166			\$0	\$834,032,889		Schedule MAL-36
4	Uncollectible Accounts true-up	O&M	(\$24,917)					(\$24,917)	\$249,495,249			\$0	\$834,032,889		Schedule MAL-1 Gas & 1 Gas & 22
5	Tax reform impact on rate base	Rate Base						(\$214,520)	\$249,280,729		(\$2,796,867)	(\$2,796,867)	\$831,236,022		Schedule MAL-1 Gas
6	Income tax true-up: impact of 35% on expected income growth vs 21% on actual income growth	Income taxes	(\$977,108)					(\$977,108)	\$248,303,621			\$0	\$831,236,022		Schedule MAL-10 Gas
Revenue Requirement Tax Reform (REV-1)															
7	Rate Year Carry forward	Revenue	(\$4,717,548)	(\$4,717,548)				(\$4,717,548)	\$243,586,073	\$243,752	(\$2,192,189)	(\$1,948,437)	\$829,287,585		
8	Revenue carry-forward	Revenue	\$1,164,372					\$0	\$243,586,073			\$0	\$829,287,585		Schedule MAL-6 Gas
9	Depreciation; Expense Flow thru	O&M	(\$1)	(\$1)				(\$1)	\$243,586,072			\$0	\$829,287,585		Schedule MAL-6 Gas
10	Payroll Taxes; Labor Flow-thru	O&M	\$66,973					\$68,397	\$243,654,469			\$0	\$829,287,585		Schedule MAL-8
11	Income Taxes; Expense Flow thru	Income taxes	(\$503,526)					(\$514,230)	\$243,140,239			\$0	\$829,287,585		Schedule MAL-10 Gas
12	Labor adjustments roll-forward	O&M	(\$16,296)					(\$16,642)	\$243,123,597			\$0	\$829,287,585		Schedule MAL-12
13	Health Care; CAPEX/OPEX+	O&M	(\$985)					(\$1,006)	\$243,122,591			\$0	\$829,287,585		Schedule MAL-14
14	Group Life Insurance; CAPEX/OPEX-	O&M	\$387					\$395	\$243,122,986			\$0	\$829,287,585		Schedule MAL-15
15	Thrifty Plan; CAPEX/OPEX+	O&M	\$1,380					\$1,409	\$243,124,395			\$0	\$829,287,585		Schedule MAL-15
16	Service Company RentsNew Fest / S.A.A.S. Contract renewal	O&M	(\$6,963)					(\$7,111)	\$243,117,284			\$0	\$829,287,585		Schedule MAL-DIV 38-1
7	Joint Facilities; Removal of airplane costs	O&M	(\$162)					(\$165)	\$243,117,119			\$0	\$829,287,585		Schedule MAL-17
18	Uninsured Claims; Labor Flow-thru	O&M	(\$143)					(\$146)	\$243,116,973			\$0	\$829,287,585		Schedule MAL-18

Narragansett Electric Company d/b/a National Grid
Gas - Data Year 1 August 31, 2020
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	\$ Amount Debit/(Credit)	(a)	(b) 1.37%	(c) 2.13%	(d) 7.67%	(e)	(f) NECO Gas Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Gas Rate Base	(k) Schedule / Work-paper Schedule MAL-	(l) Data Response
19	Uncollectible Accounts	O&M	(\$61,560)	\$0	(\$1,309)	\$0	(\$62,869)	\$243,054,104				\$0	\$829,287,585	Schedule MAL-22	
20	Gas Business Enablement; Allocation / bonus depreciation	O&M	(\$6,767)	\$0	(\$144)	\$0	(\$6,911)	\$243,047,193				\$0	\$829,287,585	Schedule MAL-36	DIV 17-13
21	O&M Adj; Contractors; Capitalization A&G	O&M	(\$10,920)	\$0	(\$232)	\$0	(\$11,152)	\$243,036,041				\$0	\$829,287,585	Schedule MAL-30	
22	Donations; True-up adjustment	O&M	(\$155)	\$0	(\$3)	\$0	(\$158)	\$243,035,883				\$0	\$829,287,585	Schedule MAL-30	
23	EE Expenses; Capitalization A&G	O&M	(\$1,617)	\$0	(\$34)	\$0	(\$1,651)	\$243,034,231				\$0	\$829,287,585	Schedule MAL-30	
24	Accumulated Depreciation: Capital Investment change	Rate Base		\$1,514	\$212	\$8,481	\$10,208	\$243,044,439			\$110,579	\$110,579	\$829,398,164	Schedule MAL-11 Gas	
25	Accumulated Deferred FTT: Excess Deferred Tax Amortization	Rate Base		\$38,065	\$5,343	\$213,267	\$256,675	\$243,301,114			\$2,780,534	\$2,780,534	\$832,178,698	Schedule MAL-11 Gas	
26	Income Tax True-Up	True-Up	\$503,527	\$0	\$10,704	\$0	\$514,231	\$243,815,345				\$0	\$832,178,698	Schedule MAL-1 Gas	
27	Uncollectible True-up	True-Up	\$50,205	\$0	\$0	\$0	\$50,205	\$243,865,550				\$0	\$832,178,698	Schedule MAL-22	
28	Revenue Requirement Rebuttal (REV-2)		(\$3,539,799)	\$39,579	\$4,772	\$221,748	(\$4,438,072)	\$243,865,550	\$243,752	\$698,924	\$942,676	\$832,178,698			

Narragansett Electric Company d/b/a National Grid
Gas - Data Year 2 August 31, 2021
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	(a) \$ Amount Debit/(Credit)	(b) 1.37% Tax Effect	(c) 2.13% Uncollectible Change	(d) 7.67% Operating Income Change	(e) Total Revenue Req Impact	(f) NECO Gas Revenue Requirement	(g) Working Capital	(h) Other Rate Base	(i) Total Rate Base Impact	(j) NECO Gas Rate Base	(k) Schedule / Work-paper	(l) Data Response
Revenue Requirement as submitted Nov 27, 2017														
1	Data Year 2 Carry forward	Revenue	(\$13,111,095)				(\$13,111,095)	\$263,946,143	\$16,098,278	(\$25,152,941)	(\$9,054,663)	\$894,969,751	Schedule MAL-17	
2	Service Company Rents	O&M	(\$2,639)			\$0	(\$2,639)	\$263,943,504			\$0	\$894,969,751	Schedule MAL-17	
3	Gas Business Enablement	O&M	\$19,117			\$0	\$19,117	\$263,962,621			\$0	\$894,969,751	Schedule MAL-36	
4	Uncollectible Accounts true-up	O&M	(\$33,476)			\$0	(\$33,476)	\$263,929,145			\$0	\$894,969,751	Schedule MAL-1 Gas & MAL-22	
5	Tax reform impact on rate base	Rate Base				(\$590,881)	(\$590,881)	\$263,338,264		(\$7,703,795)	(\$7,703,795)	\$887,265,956	Schedule MAL-1 Gas	
6	Income tax true-up: Impact of 3.5% on expected income growth vs 2.1% on actual income growth	Income taxes	(\$1,000,343)			\$0	(\$1,000,343)	\$262,337,922			\$0	\$887,265,956	Schedule MAL-10 Gas	
Revenue Requirement Tax Reform (REV-1)														
7	Rate Year Carry forward	Revenue	(\$4,438,072)			\$0	(\$4,438,072)	\$257,899,850	\$243,752	\$698,924	\$942,676	\$888,208,632	Schedule MAL-8	
8	Revenue carry-forward	Revenue	(\$595,730)			\$0	\$0	\$262,337,922			\$0	\$887,265,956	Schedule MAL-8	
9	Payroll Taxes; Labor Flow-thru	Payroll Tax	\$955		\$20	\$0	\$975	\$257,900,825			\$0	\$888,208,632	Schedule MAL-10 Gas	
10	Income Taxes Expense Flow thru	Income taxes	\$31,752		\$675	\$0	\$32,427	\$257,933,252			\$0	\$888,208,632	Schedule MAL-10 Gas	
11	Labor adjustments roll-forward	O&M	(\$14,488)		(\$308)	\$0	(\$14,796)	\$257,918,456			\$0	\$888,208,632	Schedule MAL-12	
12	Health Care; CAPEX/OPEX+	O&M	(\$1,458)		(\$31)	\$0	(\$1,489)	\$257,916,967			\$0	\$888,208,632	Schedule MAL-13	
13	Group Life Insurance/CAPEX/OPEX+	O&M	\$290		\$6	\$0	\$296	\$257,917,263			\$0	\$888,208,632	Schedule MAL-14	
14	Thrift Plan; CAPEX/OPEX+	O&M	\$984		\$21	\$0	\$1,005	\$257,918,268			\$0	\$888,208,632	Schedule MAL-15	
15	Service Company Rents; New Fcst / SAAS Contract renewal	O&M	\$54,255		\$1,153	\$0	\$55,408	\$257,973,677			\$0	\$888,208,632	Schedule MAL-17	DIV 38-1
16	Joint Facilities; Removal of airplane costs	O&M	(\$152)		(\$3)	\$0	(\$155)	\$257,973,521			\$0	\$888,208,632	Schedule MAL-18	
17	Uninsured Claims; Labor Flow-thru	O&M	(\$134)		(\$3)	\$0	(\$137)	\$257,973,385			\$0	\$888,208,632	Schedule MAL-19	
18	Uncollectible Accounts	O&M	(\$6,583)		(\$140)	\$0	(\$6,723)	\$257,966,662			\$0	\$888,208,632	Schedule MAL-22	

Narragansett Electric Company d/b/a National Grid
Gas - Data Year 2 August 31, 2021
Summary of Cost of Service Adjustments
Rebuttal Filing - May 9, 2018

Adj No.	Description	Category	\$ Amount Debit/(Credit)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
					1.37%	2.13%	7.67%								
									NECO Gas						
									Revenue Requirement	Working Capital	Other Rate Base	Total Rate Base Impact	NECO Gas Rate Base	Schedule / Work-paper	Data Response
19	Gas Business Enablement;	O&M	\$9,042	\$0	\$192	\$0	\$9,234	\$257,975,896				\$0	\$888,208,632	MAL-36	DIV 17-13
20	Allocation /bonus depreciation	O&M	(\$10,240)	\$0	(\$218)	\$0	(\$10,458)	\$257,965,438				\$0	\$888,208,632	Schedule MAL-30	
21	Contractors; Capitalization A&G	O&M	(\$143)	\$0	(\$3)	\$0	(\$146)	\$257,965,292				\$0	\$888,208,632	Schedule MAL-30	
22	Donations; True-up adjustment	O&M	(\$1,518)	\$0	(\$32)	\$0	(\$1,550)	\$257,963,742				\$0	\$888,208,632	Schedule MAL-30	
23	EE Expenses; Capitalization A&G	O&M	\$0	\$1,514	\$212	\$8,481	\$10,208	\$257,973,950			\$110,579	\$110,579	\$888,319,211	Schedule MAL-11 Gas	
24	Accumulated Depreciation: Capital Investment change	Rate Base	\$0	\$51,432	\$7,219	\$288,157	\$346,807	\$258,320,757			\$3,756,930	\$3,756,930	\$892,076,141	Schedule MAL-11 Gas	
25	Accumulated Deferred FIT; Excess Deferred Tax Amortization	Rate Base	(\$31,754)	\$0	(\$675)	\$0	(\$32,429)	\$258,288,328				\$0	\$892,076,141	Schedule MAL-1 Gas	
	Calculation of federal income tax taxable income	Income taxes	(\$5,008,935)	\$52,946	\$8,086	\$296,638	(\$4,055,535)	\$258,282,387			\$4,566,433	\$4,810,185	\$892,076,141	Schedule MAL-22	
26	Uncollectible True-up	Uncollectible True-up	(\$5,941)	\$0	\$0	\$0	(\$5,941)	\$258,282,387				\$0	\$892,076,141	Schedule MAL-22	
27	Revenue Requirement Rebuttal (REV-2)														

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Gas Operations Income and Revenue Deficiency Summary
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Schedule Reference	Test Year Ended June 30, 2017 (a)	Normalizing Adjustments (b)	Test Year Ended June 30, 2017 Adjusted (c) = (a) + (b)	Proforma Adjustments (d)	Rate Year Ending August 31, 2019 (e) = (c) + (d)	Base Revenue Increase Required (f)	Rate Year Ending August 31, 2019 with Base Revenue Requirement (g) = (e) + (f)	
1	Revenues	Schedule MAL-2-GAS (Rev-2)	\$377,158,225	(\$199,762,322)	\$177,395,903	\$35,367,585	\$212,763,488	\$15,451,041	\$228,214,528
3	Purchased Power & Other Reconciling Expense	Schedule MAL-3 (Rev-2)	\$136,269,302	(\$136,269,302)	\$0	\$0	\$0	\$0	\$0
5	Net Distribution Revenues		<u>\$240,888,923</u>	<u>(\$63,493,020)</u>	<u>\$177,395,903</u>	<u>\$35,367,585</u>	<u>\$212,763,488</u>	<u>\$15,451,041</u>	<u>\$228,214,528</u>
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$115,479,365	(\$27,562,985)	\$87,916,380	\$87,656	\$88,004,036	\$321,618	\$88,325,654
9	Amortization of Regulatory Deferrals	Schedule MAL-4-GAS (Rev-2)	\$705,953	\$1,309,738	\$2,015,691	(\$485,647)	\$1,530,044	\$0	\$1,530,044
11	Amortization of Utility Plant	Schedule MAL-5-GAS (Rev-2)	\$1,874,224	\$106,546	\$1,980,770	(\$1,554,586)	\$426,184	\$0	\$426,184
13	Depreciation	Schedule MAL-6-GAS (Rev-2)	\$33,311,851	(\$15,649)	\$33,296,202	\$7,809,174	\$41,105,376	\$0	\$41,105,376
15	Municipal Taxes	Schedule MAL-7-GAS (Rev-2)	\$22,542,352	(\$453,318)	\$22,089,035	\$4,780,420	\$26,869,455	\$0	\$26,869,455
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	(\$1,294,241)	\$3,763,829	\$2,469,588	\$225,665	\$2,695,253	\$0	\$2,695,253
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$11,166,309	(\$11,166,309)	\$0	\$0	\$0	\$0	\$0
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$217,464	\$0	\$217,464	\$10,069	\$227,533	\$0	\$227,533
23	Interest on Customer Deposits	Workpaper MAL-2-GAS (Rev-2)	\$0	\$0	\$0	\$35,184	\$35,184	\$0	\$35,184
25	Total Operating Revenue Deductions		<u>\$184,003,277</u>	<u>(\$34,018,147)</u>	<u>\$149,985,130</u>	<u>\$10,907,934</u>	<u>\$160,893,064</u>	<u>\$321,618</u>	<u>\$161,214,682</u>
27	Operating Income Before Income Taxes		<u>\$56,885,646</u>	<u>(\$29,474,873)</u>	<u>\$27,410,773</u>	<u>\$24,459,651</u>	<u>\$51,870,424</u>	<u>\$15,129,423</u>	<u>\$66,999,846</u>
29	Income Taxes	Schedule MAL-10-GAS (Rev-2)				\$5,130,198	\$3,177,179	\$8,307,376	
31	Operating Income After Income Taxes					<u>\$46,740,226</u>	<u>\$11,952,244</u>	<u>\$58,692,470</u>	
33	Rate Base	Schedule MAL-11-GAS (Rev-2)				<u>\$765,221,251</u>		<u>\$765,221,251</u>	
35	Rate of Return					6.11%	Line 31(c) / Line 33(e)		
38						<u>Revenue Deficiency</u>			
39						Earned Rate of Return	6.11%	Line 35 (c)	
40						Rate Year Required Rate of Return	7.67%	Page 4, Line 9 (c)	
41						Rate of Return Deficiency	1.56%	Line 40 - Line 39	
42						Rate Base	\$765,221,251	Line 33 (c)	
43						Net Operating Income Deficiency	\$11,952,244		
44						Gross Revenue Conversion Factor	1.292731	Line 53	
45						<u>Revenue Deficiency</u>	<u>\$15,451,041</u>	Line 43 / Line 44	
47						<u>Gross Revenue Conversion Factor</u>			
48						Gross Revenue	1.000000		
49						Uncollectible expense	(0.020815)	Schedule MAL-22, Page 7, Line 15	
50						Revenue net of Uncollectibles	0.979185		
51						Composite income tax rate	(0.20563)	Line 50 x (-.21%)	
52						Net income effect of 1.000 Revenue	0.773556	Line 50 + Line 51	
53						Gross Revenue Conversion Factor	1.2927314	1 / Line 52	

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Gas Operations Income and Revenue Deficiency Summary
For Rate Year Ending August 31, 2019 to Data Year 1 Ending August 31, 2020

	Schedule Reference	Rate Year Ending August 31, 2019 (a)	Reflect Conditions in the Rate Year (b)	Data Year 1 Ending August 31, 2020 (c) = (a) + (b)	Base Revenue Increase Required (d)	Data Year 1 Ending August 31, 2020 with Base Revenue Requirement (e) = (c) + (d)	
1	Revenues	Schedule MAL-2-GAS (Rev-2)	\$228,214,528	\$8,191,069	\$236,405,597	\$7,459,951	\$243,865,549
2							
3	Purchased Power & Other Reconciling Exp	Schedule MAL-3 (Rev-2)	\$0	\$0	\$0	\$0	\$0
4							
5	Net Distribution Revenues		<u>\$228,214,528</u>	<u>\$8,191,069</u>	<u>\$236,405,597</u>	<u>\$7,459,951</u>	<u>\$243,865,549</u>
6							
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$88,325,654	\$2,832,415	\$91,158,069	\$155,281	\$91,313,350
8							
9	Amortization of Regulatory Deferrals	Schedule MAL-4-GAS (Rev-2)	\$1,530,044	\$0	\$1,530,044	\$0	\$1,530,044
10							
11	Amortization of Utility Plant	Schedule MAL-5-GAS (Rev-2)	\$426,184	\$0	\$426,184	\$0	\$426,184
12							
13	Depreciation	Schedule MAL-6-GAS (Rev-2)	\$41,105,376	\$3,462,902	\$44,568,277	\$0	\$44,568,277
14							
15	Municipal Taxes	Schedule MAL-7-GAS (Rev-2)	\$26,869,455	\$3,039,211	\$29,908,666	\$0	\$29,908,666
16							
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	\$2,695,253	\$56,992	\$2,752,244	\$0	\$2,752,244
18							
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$0	\$0	\$0	\$0	\$0
20							
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$227,533	\$6,052	\$233,585	\$0	\$233,585
22							
23	Interest on Customer Deposits	Workpaper MAL-2-GAS (Rev-2)	\$35,184	\$45,892	\$81,076	\$0	\$81,076
24							
25	Total Operating Revenue Deductions		<u>\$161,214,682</u>	<u>\$9,443,464</u>	<u>\$170,658,146</u>	<u>\$155,281</u>	<u>\$170,813,427</u>
26							
27	Operating Income Before Income Taxes		<u>\$66,999,846</u>	<u>(\$1,252,395)</u>	<u>\$65,747,451</u>	<u>\$7,304,670</u>	<u>\$73,052,122</u>
28							
29	Income Taxes	Schedule MAL-10-GAS (Rev-2)			\$7,690,035	\$1,533,981	\$9,224,015
30							
31	Operating Income After Income Taxes				<u>\$58,057,417</u>	<u>\$5,770,690</u>	<u>\$63,828,106</u>
32							
33	Rate Base	Schedule MAL-11-GAS (Rev-2)			<u>\$832,178,698</u>		<u>\$832,178,698</u>
34							
35	Rate of Return				<u>6.98%</u>	Line 31(c) / Line 33(c)	
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							

	Revenue Deficiency		
39	Earned Rate of Return	6.98%	Line 35 (c)
40	Rate Year Required Rate of Return	7.67%	Page 4, Line 9 (c)
41	Rate of Return Deficiency	0.69%	Line 40 - Line 39
42	Rate Base	\$832,178,698	Line 33 (c)
43	Net Operating Income Deficiency	\$5,770,690	
44	Gross Revenue Conversion Factor	1.292731	Line 53
45	Revenue Deficiency	\$7,459,951	Line 43 / Line 44
47	Gross Revenue Conversion Factor		
48	Gross Revenue	1.000000	
49	Uncollectible expense	(0.020815)	Schedule MAL-22, Page 7, Line 15

The Narragansett Electric Company d/b/a National Grid
Illustrative Statement of Gas Operations Income and Revenue Deficiency Summary
For Data Year 1 Ending August 31, 2020 to Data Year 2 Ending August 31, 2021

	Schedule Reference	Data Year 1 Ending August 31, 2020 (a)	Reflect Conditions in the Rate Year (b)	Data Year 1 Ending August 31, 2020 Adjusted (c) = (a) + (b)	Base Revenue Increase Required (d)	Data Year 2 Ending August 31, 2021 with Base Revenue Requirement (e) = (c) + (d)	
1	Revenues	Schedule MAL-2-GAS (Rev-2)	\$243,865,549	\$8,191,069	\$252,056,618	\$6,225,773	\$258,282,390
2							
3	Purchased Power & Other Reconciling Exp	Schedule MAL-3 (Rev-2)	\$0	\$0	\$0	\$0	\$0
4							
5	Net Distribution Revenues		\$243,865,549	\$8,191,069	\$252,056,618	\$6,225,773	\$258,282,390
6							
7	Operation & Maintenance Expenses	Schedule MAL-3 (Rev-2)	\$91,313,350	\$2,027,481	\$93,340,831	\$129,591	\$93,470,423
8							
9	Amortization of Regulatory Deferrals	Schedule MAL-4-GAS (Rev-2)	\$1,530,044	\$0	\$1,530,044	\$0	\$1,530,044
10							
11	Amortization of Utility Plant	Schedule MAL-5-GAS (Rev-2)	\$426,184	\$0	\$426,184	\$0	\$426,184
12							
13	Depreciation	Schedule MAL-6-GAS (Rev-2)	\$44,568,277	\$3,410,468	\$47,978,745	\$0	\$47,978,745
14							
15	Municipal Taxes	Schedule MAL-7-GAS (Rev-2)	\$29,908,666	\$3,382,977	\$33,291,643	\$0	\$33,291,643
16							
17	Payroll Taxes	Schedule MAL-8 (Rev-2)	\$2,752,244	\$47,673	\$2,799,917	\$0	\$2,799,917
18							
19	Gross Receipts Taxes	Schedule MAL-9 (Rev-2)	\$0	\$0	\$0	\$0	\$0
20							
21	Other Taxes	Schedule MAL-9 (Rev-2)	\$233,585	\$5,676	\$239,261	\$0	\$239,261
22							
23	Interest on Customer Deposits	Workpaper MAL-2-GAS (Rev-2)	\$81,076	(\$1,147)	\$79,929	\$0	\$79,929
24							
25	Total Operating Revenue Deductions		\$170,813,427	\$8,873,128	\$179,686,555	\$129,591	\$179,816,146
26							
27	Operating Income Before Income Taxes		\$73,052,122	(\$682,059)	\$72,370,063	\$6,096,181	\$78,466,244
28							
29	Income Taxes	Schedule MAL-10-GAS (Rev-2)			\$8,763,806	\$1,280,198	\$10,044,004
30							
31	Operating Income After Income Taxes				\$63,606,257	\$4,815,983	\$68,422,240
32							
33	Rate Base	Schedule MAL-11-GAS (Rev-2)			\$892,076,141		\$892,076,141
34							
35	Rate of Return				7.13%	Line 31(c) / Line 33(c)	
36							
37							
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52							
53							

Revenue Deficiency		
Earned Rate of Return	7.13%	Line 35 (c)
Rate Year Required Rate of Return	7.67%	Page 4, Line 9 (c)
Rate of Return Deficiency	0.54%	Line 40 - Line 39
Rate Base	\$892,076,141	Line 33 (c)
Net Operating Income Deficiency	\$4,815,983	
Gross Revenue Conversion Factor	1.292731	Line 53
Revenue Deficiency	\$6,225,773	Line 43 / Line 44
Gross Revenue Conversion Factor		
Gross Revenue	1.000000	
Uncollectible expense	(0.020815)	Schedule MAL-22, Page 7, Line 15
Revenue net of Uncollectibles	0.979185	
Composite income tax rate	(0.20563)	Line 50 x (- 21%)
Net income effect of 1.000 Revenue	0.773556	Line 50 + Line 51
Gross Revenue Conversion Factor	1.2927314	1 / Line 52

The Narragansett Electric Company d/b/a National Grid
Cost of Capital
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Description	Capital Structure (a)	Cost Rate (b)	Weighted Return (c) = (a) x (b)	Taxes (d)	Pre-tax Return (e) = (c)+(d)
1 Short Term Debt	0.45%	1.76%	0.01%		0.01%
2					
3 Long Term Debt	48.47%	5.18% (1)	2.51%		2.51%
4					
5 Preferred Stock	0.11%	4.50%	0.00%		
6					
7 Total Common Equity	<u>50.97%</u>	10.10%	<u>5.15%</u>	<u>1.37% (2)</u>	<u>6.52%</u>
8					
9 Total Capitalization	<u>100.00%</u>		<u>7.67%</u>	<u>1.37%</u>	<u>9.04%</u>

Notes

- (1) Company's Effective Cost of Long Term Debt
- (2) Line 3(c) / (1 - 21%) - Line 3(c)

Column Notes

- (a) As referenced in Pre-filed Direct Testimony of Robert B. Hevert, page 2 of 2 Lines 14 through 18

Line Notes

- 1(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert,, page 78 of 93 Line 13
- 3(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert,, page 78 of 93 Line 4
- 5(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert,, page 78 of 93 Line 10
- 7(b) As referenced in Pre-filed Direct Testimony of Robert B. Hevert,, page 83 of 93 Line 13

Schedule MAL-2-ELEC (REV-2)

Revenue– Electric

The Narragansett Electric Company d/b/a National Grid
Electric Operations Revenues by Component
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Description	Test Year Ended June 30, 2017 (a)	Normalizing Adjustments (b)	Test Year Ended June 30, 2017 (Adjusted) (c) = (a) + (b)	Proforma Adjustments (d)	Rate Year Ending August 31, 2019 (e) = (c) + (d)	Adjustments to Reflect Conditions in Data Year (f)	Data Year 1 Ending August 31, 2020 (g) = (e) + (f)	Adjustments to Reflect Conditions in Data Year (h)	Data Year 2 Ending August 31, 2021 (i) = (g) + (h)
Firm Revenues:									
Customer	\$56,691,544	(\$488,501)	\$56,203,043	\$2,265,282	\$58,468,325	18,877,761	\$77,346,086	4,911,141	\$82,257,227
Distribution	\$181,979,904	\$3,009,507	\$184,989,411	(\$5,602,580)	\$179,386,831	-	\$179,386,831	-	\$179,386,831
Revenue Decoupling Mechanism	\$2,933,071	\$7,047,475	\$9,980,546	\$3,337,298	\$13,317,844	-	\$13,317,844	-	\$13,317,844
Subtotal of Annual Target Revenue	\$241,604,519	\$9,568,481	\$251,173,000	\$0	\$251,173,000	\$18,877,761	\$270,050,761	\$4,911,141	\$274,961,902
Infrastructure, Safety and Reliability Capital	\$18,366,740	(\$1,782,009)	\$16,584,731	(\$538,335)	\$16,046,396	\$4,342,573	\$20,388,969	\$4,037,746	\$24,426,715
Infrastructure, Safety and Reliability Capital Adjustment		\$2,904,568	\$2,904,568	\$437,848	\$3,342,416	-	\$3,342,416	-	\$3,342,416
Total Base Distribution Revenues	\$18,366,740	\$1,122,559	\$19,489,299	(\$100,487)	\$19,388,812	\$4,342,573	\$23,731,385	\$4,037,746	\$27,769,131
Total Base Distribution Revenues	\$259,971,259	\$10,691,040	\$270,662,299	(\$100,487)	\$270,561,812	\$23,220,334	\$293,782,146	\$8,948,887	\$302,731,033
Other Distribution Revenues:									
Forfeited Discounts - Electric	\$1,657,293	\$0	\$1,657,293	\$0	\$1,657,293	\$0	\$1,657,293	\$0	\$1,657,293
Misc Service Revenue - Electric	\$233,788	\$1,276,523	\$1,510,311	(\$141,992)	\$1,368,319	\$0	\$1,368,319	\$0	\$1,368,319
Rent from Electric Property	\$3,822,134	(\$937,241)	\$2,884,893	\$0	\$2,884,893	\$0	\$2,884,893	\$0	\$2,884,893
Other Electric Revenue - Misc	\$1,882,811	\$0	\$1,882,811	\$0	\$1,882,811	\$0	\$1,882,811	\$0	\$1,882,811
Other Elec Rev-Block Island & Dist Surcharges	\$9,680,425	(\$9,086,137)	\$594,288	\$0	\$594,288	\$0	\$594,288	\$0	\$594,288
Other Elec Rev-CIAC	\$1,197,705	(\$1,197,705)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Elec Rev-RISE EE Billings	\$131,920	(\$131,920)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
M-1 Distribution Revenue	\$146,486	(\$3,959)	\$142,527	\$0	\$142,527	\$0	\$142,527	\$0	\$142,527
Subtotal Distribution Revenue	\$278,723,821	\$610,601	\$279,334,422	(\$242,479)	\$279,091,943	\$23,220,334	\$302,312,277	\$8,948,887	\$311,261,164
Other Delivery and Commodity Revenue:									
Standard Offer Administrative	\$10,331,312	(\$10,331,312)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Infrastructure, Safety and Reliability Operating & Maintenance	\$8,360,493	(\$8,360,493)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission	\$181,281,258	(\$181,281,258)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Competitive Transition Charge	\$978,140	(\$978,140)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commodity	\$269,132,978	(\$269,132,978)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Energy Efficiency	\$78,518,199	(\$78,518,199)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pension Adjustment Factor	\$4,724,675	(\$4,724,675)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storm Fund Replenishment Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
RE Growth	\$2,033,798	(\$2,033,798)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Long-Term Contracting for Renewable Energy Recovery Provision	\$34,690,580	(\$34,690,580)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Metering	\$3,283,480	(\$3,283,480)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gross Receipts Tax	\$34,789,546	(\$34,789,546)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Other Operating Revenues	\$628,124,459	(\$628,124,459)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Operating Revenues	\$906,848,280	(\$627,513,858)	\$279,334,422	(\$242,479)	\$279,091,943	\$23,220,334	\$302,312,277	\$8,948,887	\$311,261,164

Column Notes

- (a) Per Workpaper PP-1-ELEC Page 1, Column (a)
- (b) Lines (2) through (22) Column (c) - Column (a)
- (b) Lines (25) through (37): - Column (a)
- (c) Lines (2) through (22) per Workpaper PP-1-ELEC, Page 1, Column (b)
- (c) Lines (25) through (37): Column (a) + Column (b)
- (d) Lines (2) through (22) per Workpaper PP-1-ELEC, Page 1, Column (c)
- (d) Lines (25) through (37): No Proforma Adjustments
- (e) Column (c) + Column (d)
- (f) Line (3) per Schedule MAL-1-ELEC, Page 1, Line (45) Column (e)
- (f) Line (7) per Workpaper MAL-12-ELEC, Page 1, Line (17) Column (h)
- (g) Column (e) + Column (f)
- (h) Line (3) per Schedule MAL-1-ELEC, Page 2, Line (45) Column (c)
- (h) Line (7) per Workpaper MAL-12-ELEC, Page 1, Line (17) Column (i)
- (i) Column (g) + Column (h)

Line Notes

- 5 Sum of Line 2 through Line 4
- 9 Line 7 + Line 8
- 11 Line 5 + Line 9
- 22 Sum of Line 11 through Line 22
- 37 Sum of Line 25 through Line 36
- 40 Line 22 + Line 37

Schedule MAL-2-GAS (REV-2)

Revenue – Gas

The Narragansett Electric Company d/b/a National Grid
Gas Operations Revenues by Component
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Description	Test Year Ended	Normalizing	Test Year Ended	Proforma	Rate Year Ending	Adjustments to	Data Year 1	Adjustments to	Data Year 2
	June 30, 2017	Adjustments	June 30, 2017	Adjustments	August 31, 2019	Reflect	Ending August	Reflect	Ending August
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	Conditions in	31, 2020	Conditions in	31, 2021
						Data Year	(g) = (e) + (f)	Data Year	(i) = (g) + (h)
						(f)		(h)	
Firm Revenues:									
1 Delivery- Base Revenues excluding AGT, LIHEAP, and Envir Base Rate	\$169,061,454	\$2,391,422	\$171,452,876	\$1,955,965	\$173,408,841	\$15,451,041	\$188,859,881	\$7,459,951	\$196,319,833
2 LIAP in Base Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3 Energy Efficiency-Weatherization Program in Base Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Advanced Gas Technologies in Base Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5 Environmental Cost Recovery in Base Rates	\$1,402,848	(\$92,848)	\$1,310,000	\$0	\$1,310,000	\$0	\$1,310,000	\$0	\$1,310,000
6 Gas Lights	\$22,148	\$0	\$22,148	\$0	\$22,148	\$0	\$22,148	\$0	\$22,148
7 Sub-Total Delivery Rates	\$170,486,450	\$2,298,574	\$172,785,024	\$1,955,965	\$174,740,989	\$15,451,041	\$190,192,029	\$7,459,951	\$197,651,981
8									
9 Gas Cost Recovery Revenues	\$123,331,582	(\$123,331,582)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 DAC Revenues	\$31,264,074	(\$31,264,074)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Energy Efficiency Revenues	\$27,861,870	(\$27,861,870)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Sub-Total Firm Tariff Revenues	\$352,943,977	(\$180,158,953)	\$172,785,024	\$1,955,965	\$174,740,989	\$15,451,041	\$190,192,029	\$7,459,951	\$197,651,981
13									
14 Special Contract- Dominion Power	\$224,996	\$0	\$224,996	\$0	\$224,996	\$0	\$224,996	\$0	\$224,996
15									
16 Non Firm Revenues	\$2,466,036	(\$1,077,919)	\$1,388,117	\$0	\$1,388,117	\$0	\$1,388,117	\$0	\$1,388,117
17									
18 Total Billed Revenues	\$355,635,009	(\$181,236,872)	\$174,398,137	\$1,955,965	\$176,354,102	\$15,451,041	\$191,805,143	\$7,459,951	\$199,265,094
19									
Other Operating Revenues:									
20									
21									
22 Miscellaneous Fees/Credits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 Paperless Bill Credits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Account Restoration Fee	\$81,848	\$81,848	\$81,848	\$232,454	\$314,302	\$0	\$314,302	\$0	\$314,302
25 Customer Arrearage Fee (Late Payment Fees)	(\$1,428)	\$411,080	\$409,652	\$409,652	\$409,652	\$0	\$409,652	\$0	\$409,652
26 Return Check Fee	\$63,735	\$63,735	\$63,735	(\$33,984)	\$29,751	\$0	\$29,751	\$0	\$29,751
27 AMR Opt Out Fee	\$286	\$0	\$286	\$0	\$286	\$0	\$286	\$0	\$286
28 Sub-total Fees/Credits	(\$1,143)	\$556,663	\$555,520	\$198,470	\$753,990	\$0	\$753,990	\$0	\$753,990
29									
30 Rental Expense	\$248,262	\$0	\$248,262	\$0	\$248,262	\$0	\$248,262	\$0	\$248,262
31 AFUDC- Equity/Debt	\$0	(\$23,725)	(\$23,725)	(\$23,725)	(\$23,725)	\$0	(\$23,725)	\$0	(\$23,725)
32 Miscellaneous Revenue Adjustments	(\$51,583)	\$0	(\$51,583)	(\$51,583)	(\$51,583)	\$0	(\$51,583)	\$0	(\$51,583)
33 Non Utility Billing	\$937,241	\$937,241	\$937,241	\$937,241	\$937,241	\$0	\$937,241	\$0	\$937,241
34									
35 Revenue Decoupling Adj	\$1,332,052	\$0	\$1,332,052	(\$3,916,702)	(\$2,584,650)	\$0	(\$2,584,650)	\$0	(\$2,584,650)
36 ISR FY16 Recon FY 17	\$24,428,803	(\$24,428,803)	\$0	\$37,129,852	\$37,129,852	\$8,191,069	\$45,320,921	\$8,191,069	\$53,511,990
37 On System Margin Adj	(\$63,674)	\$63,674	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38 Settlement Agreement DK 4323 Article III. B.4.	(\$322,761)	\$322,761	\$0	\$0	\$0	\$0	\$0	\$0	\$0
39 Gross Receipts Tax Revenues	\$10,722,138	(\$10,722,138)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40									
41 Off System Sales	\$10,540,373	(\$10,540,373)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
42 Unbilled Revenues & Cost	(\$7,340,302)	\$7,340,302	\$0	\$0	\$0	\$0	\$0	\$0	\$0
43 EE Shareholder Incentive	\$1,541,775	(\$1,541,775)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44 NGPMP Shareholder Incentive	\$904,843	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45									
46 Offsetting Manual Journal Entries	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
47 LIAP in Base Rates	(\$1,664,685)	\$1,664,685	\$0	\$0	\$0	\$0	\$0	\$0	\$0
48 Energy Efficiency-Weatherization Program in Base Rates	(\$200,000)	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
49 Advanced Gas Technologies in Base Rates	(\$313,393)	\$313,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50 Environmental Cost Recovery in Base Rates	(\$1,368,476)	\$1,368,476	\$0	\$0	\$0	\$0	\$0	\$0	\$0
51 GCR Deferral	\$8,305,653	(\$8,305,653)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
52 DAC Deferral	(\$23,700,728)	\$23,700,728	\$0	\$0	\$0	\$0	\$0	\$0	\$0
53 EE Deferral	(\$555,371)	\$555,371	\$0	\$0	\$0	\$0	\$0	\$0	\$0
54 Other Accounting Adj.	(\$918,567)	\$918,567	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55									
56 Total Other Operating Revenues	\$21,523,216	(\$18,525,450)	\$2,997,766	\$33,411,620	\$36,409,386	\$8,191,069	\$44,600,455	\$8,191,069	\$52,791,524
57									
58 Total Operating Revenues	\$377,158,225	(\$199,762,322)	\$177,395,903	\$35,367,585	\$212,763,488	\$23,642,110	\$236,405,597	\$15,651,020	\$252,056,618
59									
60 Gas Cost Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
61									
62 Total	\$135,754,254	(\$135,754,254)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
63									
64 Net Margin	\$241,403,971	(\$64,008,069)	\$177,395,903	\$35,367,585	\$212,763,488	\$23,642,110	\$236,405,597	\$15,651,020	\$252,056,618

Column Notes

- (a) Per Company Books
- (b) Schedule PP-1-GAS Pg. 2 Ln.24 Col (c)
- (d) Schedule PP-1-GAS Pg. 2 Ln.24 Col (g)
- (e) Normalization Adjustment to establish Environmental base rate recovery at \$1,310,000
- (f) Gas Costs for Non Firm Sales Customers
- (g) Account Restoration Fee Reallocated from FERC Acct. 908.
- (h) Schedule PP-3(a) Pg 1 Ln 12
- (i) Customer Arrearage Fees Reallocated from FERC Acct. 419
- (j) Return Check Fees Reallocated from Narragansett Electric
- (k) Schedule PP-3(c) Pg 1 Ln 28
- (l) AFUDC Reallocated from FERC Acct. 419
- (m) Non Utility Billing Reallocated from Narragansett Electric
- (n) Schedule PP-1 (c)-GAS Pg. 1 Ln 7
- (o) Workpaper MAL-12-GAS (REV-2)

Line Notes

- 7 Sum of Line 1 through Line 6
- 12 Sum of Line 7 through Line 11
- 18 Sum of Line 12 through Line 16
- 28 Sum of Line 23 through Line 27
- 56 Sum of Line 28 through Line 54
- 58 Line 18 + Line 56
- 64 Line 58 + Line 62

Schedule MAL-3 (REV-2)

Operation & Maintenance Expense Summary

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Summary (ELECTRIC & GAS)

	Schedule Reference	Test Year Ended June 30, 2017 (Per Books)			Normalizing Adjustments			Test Year Ended June 30, 2017 (as Adjusted)		
		Total		Gas	Total		Electric	Total		Gas
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (b) + (i)	(h) = (b) + (e)	(i) = (c) + (f)
1	Labor	\$90,778,557	\$54,756,249	\$36,022,308	(\$15,926,822)	(\$10,122,170)	(\$5,804,652)	\$74,851,735	\$44,634,079	\$30,217,666
2	Schedule MAL-12 (Rev-2)	\$12,341,700	\$7,901,703	\$4,439,997	(\$1,186,265)	(\$1,186,265)	\$0	\$11,155,435	\$6,715,438	\$4,439,997
3	Schedule MAL-13 (Rev-2)	\$930,083	\$579,702	\$350,381	(\$90,186)	(\$90,186)	\$0	\$840,516	\$489,516	\$350,381
4	Schedule MAL-14 (Rev-2)	\$3,865,292	\$2,489,542	\$1,375,749	(\$398,357)	(\$398,357)	\$0	\$3,466,934	\$2,091,185	\$1,375,749
5	FAS 112 / ASC 712	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$5,831)	(\$330,899)	\$10,067,672	\$7,340,988	\$2,726,684
6	Service Company Rents	\$1,579,848	\$1,018,396	\$561,452	(\$100,328)	(\$100,328)	(\$5,831)	\$1,680,176	\$1,124,555	\$555,621
7	Joint Facilities	\$1,648,059	\$801,565	\$846,495	(\$121,657)	(\$121,657)	\$0	\$1,526,402	\$679,907	\$846,495
8	Uninsured Claims	\$2,926,210	\$2,097,226	\$828,984	(\$286,481)	(\$286,481)	\$0	\$2,639,729	\$1,810,745	\$828,984
9	Insurance Premium	\$6,862,284	\$4,964,621	\$1,897,662	(\$678,167)	(\$678,167)	\$0	\$6,184,116	\$4,286,454	\$1,897,662
10	Regulatory Assessment Fees	\$12,978,156	\$8,952,665	\$4,025,491	(\$3,294,644)	(\$4,987,981)	\$1,693,337	\$9,683,512	\$3,964,684	\$5,718,828
11	Uncollectible Accounts	\$3,780,429	\$2,460,952	\$1,319,478	(\$24,107)	(\$16,697)	(\$7,410)	\$3,756,323	\$2,444,255	\$1,312,068
12	Postage	\$8,194	\$8,194	\$0	\$0	\$0	\$0	\$8,194	\$8,194	\$0
13	Strike Contingency	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
14	Environmental Response Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Paperless Bill Credit	\$7,914,078	\$5,421,584	\$2,492,494	(\$816,516)	(\$551,281)	\$265,235	\$7,173,490	\$4,680,995	\$2,492,494
16	PHOP	\$22,239,834	\$14,856,485	\$7,383,350	(\$2,190,304)	(\$2,190,304)	\$0	\$20,049,530	\$12,666,181	\$7,383,350
17	Pension	\$97,169,672	\$73,467,743	\$23,701,929	(\$97,169,672)	(\$73,467,743)	\$0	\$0	\$0	\$0
18	Energy Efficiency Program	\$86,785,096	\$59,391,324	\$27,394,172	(\$22,692,670)	(\$21,494,794)	(\$1,197,876)	\$64,092,827	\$37,896,530	\$26,196,296
19	Other Operating and Maintenance Expenses	\$7,338,972	\$7,338,972	\$0	(\$2,840)	(\$2,840)	\$0	\$7,331,132	\$7,331,132	\$0
20	Storm Cost Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	Gas Commodity OM	(\$138,452,360)	(\$138,452,360)	\$0	\$1,308,279	\$1,308,279	\$0	\$1,308,279	\$1,308,279	\$0
22	NEP IFA Credit	\$179,791,010	\$179,791,010	\$0	(\$179,791,010)	(\$179,791,010)	\$0	\$0	\$0	\$0
23	Whealing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Energy Innovation Hub	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Gas Business Embellment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Electric Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27	Gas Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28	Customer Affordability Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
29	Sub Total	\$420,054,245	\$304,575,180	\$115,479,365	(\$190,364,046)	(\$162,801,061)	(\$27,562,983)	\$229,690,499	\$141,774,119	\$87,916,380
30										
31	Purchased Power/ Purchased Gas	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
32										
33	Sub Total	\$440,524,701	\$304,255,398	\$136,269,302	(\$440,524,701)	(\$304,255,398)	(\$136,269,302)	\$0	\$0	\$0
34										
35	TOTAL	\$860,579,245	\$608,830,578	\$251,748,667	(\$630,888,746)	(\$467,056,459)	(\$163,832,287)	\$229,690,499	\$141,774,119	\$87,916,380

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Summary (ELECTRIC & GAS)

	Schedule Reference	Test Year Ended June 30, 2017 (as Adjusted)		Program Adjustments		Rate Year Ending August 31, 2019				
		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)
1	Labor	\$74,851,735	\$44,634,079	\$30,217,656	\$10,807,360	\$7,132,412	\$3,674,947	\$85,659,095	\$51,766,492	\$33,892,603
2	Health Care	\$11,155,435	\$6,715,438	\$4,439,997	(\$189,446)	(\$180,064)	(\$9,381)	\$10,965,989	\$6,535,374	\$4,430,616
3	Group Life Insurance	\$840,497	\$489,516	\$350,981	\$164,458	\$77,798	\$86,660	\$1,004,955	\$567,314	\$437,641
4	Thrift Plan	\$3,466,934	\$2,091,185	\$1,375,749	\$501,463	\$334,171	\$167,291	\$3,968,397	\$2,425,356	\$1,543,041
5	PAS 112 / ASC 712	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Service Company Rents	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,866,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
7	Schedule MAL-17 (Rev-2)	\$1,680,176	\$1,124,555	\$555,621	\$77,792	\$52,067	\$25,725	\$1,757,968	\$1,176,621	\$581,346
8	Uninsured Claims	\$1,526,402	\$679,907	\$846,495	\$956,649	\$1,163,652	(\$207,003)	\$2,483,051	\$1,843,559	\$639,492
9	Schedule MAL-19 (Rev-2)	\$2,639,729	\$1,810,745	\$828,984	\$373,900	\$380,149	\$92,940	\$5,012,818	\$2,000,894	\$2,921,924
10	Schedule MAL-20 (Rev-2)	\$6,184,116	\$4,286,454	\$1,897,662	\$0	\$0	\$0	\$6,184,116	\$4,286,454	\$1,897,662
11	Regulatory Assessment Fees	\$9,683,512	\$3,964,684	\$5,718,828	(\$1,854,556)	\$157,586	(\$2,012,142)	\$7,828,956	\$4,122,270	\$3,706,686
12	Uncollectible Accounts	\$3,756,323	\$2,444,255	\$1,312,068	\$173,918	\$113,169	\$607,449	\$3,930,240	\$2,537,424	\$1,372,817
13	Postage	\$8,194	\$8,194	\$0	\$779	\$379	\$0	\$8,573	\$8,573	\$0
14	Strike Contingency	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
15	Environmental Response Fund	\$816,516	\$51,281	\$265,235	\$0	\$0	\$0	\$816,516	\$51,281	\$265,235
16	Paperless Bill Credit	\$7,173,490	\$4,680,995	\$2,492,494	(\$3,566,074)	\$150,776	(\$3,716,850)	\$3,607,416	\$4,831,771	(\$1,224,355)
17	PBOP	\$20,049,530	\$12,666,181	\$7,383,350	(\$10,713,783)	(\$6,006,139)	(\$4,107,644)	\$9,335,747	\$6,060,042	\$3,275,705
18	Pension	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Energy Efficiency Program	\$64,092,827	\$37,896,530	\$26,196,296	\$1,645,550	\$904,096	\$741,455	\$66,738,377	\$38,800,626	\$26,937,751
20	Other Operating and Maintenance Expenses	\$7,311,132	\$7,311,132	\$0	(\$287,406)	(\$287,406)	\$0	\$7,023,726	\$7,023,726	\$0
21	Storm Cost Recovery	\$1,308,279	\$0	\$1,308,279	(\$1,308,279)	\$0	(\$1,308,279)	\$0	\$0	\$0
22	Gas Commodity OM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	NEP IFA Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Wheeling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Energy Innovation Hub	\$0	\$0	\$0	\$287,379	\$186,193	\$101,186	\$287,379	\$186,193	\$101,186
26	Gas Business Enablement	\$0	\$0	\$0	\$4,520,645	\$614,904	\$3,905,741	\$4,520,645	\$614,904	\$3,905,741
27	Electric Operations	\$0	\$0	\$0	\$611,550	\$611,550	\$0	\$611,550	\$611,550	\$0
28	Gas Operations	\$0	\$0	\$0	\$1,032,482	\$0	\$0	\$1,032,482	\$0	\$1,032,482
29	Customer Affordability Program	\$0	\$0	\$0	\$906,337	\$613,623	\$292,714	\$906,337	\$613,623	\$292,714
30	Sub Total	\$229,690,499	\$141,774,119	\$87,916,380	\$9,473,174	\$9,385,518	\$87,656	\$229,163,673	\$151,159,637	\$88,004,036
31	Purchased Power/ Purchased Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
32	Sub Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
33	TOTAL	\$229,690,499	\$141,774,119	\$87,916,380	\$9,473,174	\$9,385,518	\$87,656	\$229,163,673	\$151,159,637	\$88,004,036
34		\$0	\$0	\$0	(\$0)	(\$0)	\$0	\$0	\$0	\$0
35		\$0	\$0	\$0	(\$0)	(\$0)	\$0	\$0	\$0	\$0

Column Notes
(b) Column (b)
(c) Column (i)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Summary (ELECTRIC & GAS)

	Schedule Reference	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	(a)	Electric	(b)	Electric	(c) = (a) + (b)	Electric	(d)	Electric	(e) = (c) + (d)
Operation & Maintenance Expenses:											
1	Labor		\$51,766,492		\$1,497,763		\$53,264,255		\$1,548,350		\$54,812,606
2	Health Care	Schedule MAL-12 (Rev-2)	\$6,535,374		\$188,872		\$6,724,246		\$195,676		\$6,919,921
3	Group Life Insurance	Schedule MAL-14 (Rev-2)	\$567,314		\$31,486		\$598,800		\$31,976		\$630,776
4	Thrift Plan	Schedule MAL-15 (Rev-2)	\$2,425,356		\$70,093		\$2,495,449		\$72,618		\$2,568,067
5	FAS 112 / ASC 712	Schedule MAL-16 (Rev-2)		(\$0)	\$0				\$0		(\$0)
6	Service Company Rents	Schedule MAL-17 (Rev-2)	\$11,407,590		\$517,856		\$11,925,446		\$653,897		\$12,579,343
7	Joint Facilities	Schedule MAL-18 (Rev-2)	\$1,176,621		\$31,298		\$1,207,920		\$29,353		\$1,237,272
8	Uninsured Claims	Schedule MAL-19 (Rev-2)	\$1,843,559		\$49,039		\$1,892,598		\$45,990		\$1,938,588
9	Insurance Premium	Schedule MAL-20 (Rev-2)	\$2,090,894		\$55,618		\$2,146,512		\$52,160		\$2,198,672
10	Regulatory Assessment Fees	Schedule MAL-21 (Rev-2)	\$4,286,454		\$0		\$4,286,454		\$0		\$4,286,454
11	Uncollectible Accounts	Schedule MAL-22 (Rev-2)	\$4,122,270		\$245,957		\$4,368,227		\$63,987		\$4,432,214
12	Postage	Schedule MAL-23 (Rev-2)	\$2,557,424		\$68,027		\$2,625,451		\$63,798		\$2,689,250
13	Strike Contingency	Schedule MAL-24 (Rev-2)	\$8,573		\$228		\$8,801		\$214		\$9,015
14	Environmental Response Fund	Schedule MAL-25 (Rev-2)	\$3,078,000		\$0		\$3,078,000		\$0		\$3,078,000
15	Paperless Bill Credit	Schedule MAL-26 (Rev-2)	\$551,281		\$0		\$551,281		\$0		\$551,281
16	PBOP	Schedule MAL-27 (Rev-2)	\$4,831,771		\$0		\$4,831,771		\$0		\$4,831,771
17	Pension	Schedule MAL-28 (Rev-2)	\$6,060,042		\$0		\$6,060,042		\$0		\$6,060,042
18	Energy Efficiency Program	Schedule MAL-29 (Rev-2)	\$0		\$0		\$0		\$0		\$0
19	Other Operating and Maintenance Expenses	Schedule MAL-30 (Rev-2)	\$38,800,626		\$1,024,658		\$39,825,284		\$960,959		\$40,786,242
20	Storm Cost Recovery	Schedule MAL-31 (Rev-2)	\$7,023,726		\$0		\$7,023,726		\$0		\$7,023,726
21	Gas Commodity OM	Schedule MAL-32 (Rev-2)	\$0		\$0		\$0		\$0		\$0
22	NEP IFA Credit	Schedule MAL-33 (Rev-2)	\$0		\$0		\$0		\$0		\$0
23	Wheeling	Schedule MAL-34 (Rev-2)	\$0		\$0		\$0		\$0		\$0
24	Energy Innovation Hub	Schedule MAL-35 (Rev-2)	\$186,193		(\$32,395)		\$153,798		\$0		\$153,798
25	Gas Business Enablement	Schedule MAL-36 (Rev-2)	\$614,904		\$17,693		\$632,597		(\$23,600)		\$608,997
26	Electric Operations	Schedule MAL-37 (Rev-2)	\$611,550		(\$39,550)		\$572,000		\$46,083		\$618,083
27	Gas Operations	Schedule MAL-38 (Rev-2)	\$0		\$0		\$0		\$0		\$0
28	Customer Affordability Program	Schedule MAL-39 (Rev-2)	\$613,623		(\$70,367)		\$543,256		(\$255,128)		\$288,128
29	Sub Total		\$151,159,637		\$3,656,277		\$154,815,914		\$3,486,333		\$158,302,247
30			\$0		\$0		\$0		\$0		\$0
31	Purchased Power/ Purchased Gas	Schedule MAL-40 (Rev-2)	\$0		\$0		\$0		\$0		\$0
32			\$0		\$0		\$0		\$0		\$0
33	Sub Total		\$0		\$0		\$0		\$0		\$0
34			\$0		\$0		\$0		\$0		\$0
35	TOTAL		\$151,159,637		\$3,656,277		\$154,815,914		\$3,486,333		\$158,302,247

Column Notes
(a) Column (b)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Summary (ELECTRIC & GAS)

	Schedule Reference	Rate Year Ending		Adjustments to Reflect		Data Year 1 Ending		Adjustments to Reflect		Data Year 2 Ending	
		August 31, 2019		Conditions in Data Year		August 31, 2020		Conditions in Data Year		August 31, 2021	
		(a)		(b)		(c) = (a) + (b)		(d)		(e) = (c) + (d)	
		Gas		Gas		Gas		Gas		Gas	
Operation & Maintenance Expenses:											
1	Labor	\$33,892,603	\$1,086,878	\$34,979,482	\$938,583	\$35,918,065		\$35,918,065			
2	Health Care	\$4,430,616	\$142,223	\$4,572,839	\$122,552	\$4,695,391		\$4,695,391			
3	Group Life Insurance	\$437,641	\$25,690	\$463,331	\$23,676	\$487,007		\$487,007			
4	Thrift Plan	\$1,543,041	\$49,532	\$1,592,572	\$42,681	\$1,635,253		\$1,635,253			
5	FAS 112 / ASC 712		\$0		\$0						
6	Service Company Rents	\$3,993,748	\$288,168	\$4,281,917	\$72,618	\$4,354,534		\$4,354,534			
7	Joint Facilities	\$581,346	\$15,464	\$596,810	\$14,502	\$611,313		\$611,313			
8	Uninsured Claims	\$639,492	\$17,010	\$656,503	\$15,953	\$672,456		\$672,456			
9	Insurance Premium	\$921,924	\$24,441	\$946,365	\$22,328	\$968,693		\$968,693			
10	Regulatory Assessment Fees	\$1,897,662	\$0	\$1,897,662	\$0	\$1,897,662		\$1,897,662			
11	Uncollectible Accounts	\$3,706,686	\$321,618	\$4,028,304	\$155,281	\$4,183,585		\$4,183,585			
12	Postage	\$1,372,817	\$36,517	\$1,409,334	\$34,247	\$1,443,580		\$1,443,580			
13	Strike Contingency	\$0	\$0	\$0	\$0	\$0		\$0			
14	Environmental Response Fund	\$0	\$0	\$0	\$0	\$0		\$0			
15	Paperless Bill Credit	\$265,235	\$0	\$265,235	\$0	\$265,235		\$265,235			
16	PBOP	(\$1,224,355)	\$0	(\$1,224,355)	\$0	(\$1,224,355)		(\$1,224,355)			
17	Pension	\$3,275,705	\$0	\$3,275,705	\$0	\$3,275,705		\$3,275,705			
18	Energy Efficiency Program	\$0	\$0	\$0	\$0	\$0		\$0			
19	Other Operating and Maintenance Expenses	\$26,937,751	\$713,084	\$27,650,835	\$667,647	\$28,318,482		\$28,318,482			
20	Storm Cost Recovery	\$0	\$0	\$0	\$0	\$0		\$0			
21	Gas Commodity OM	\$0	\$0	\$0	\$0	\$0		\$0			
22	NEP IFA Credit	\$0	\$0	\$0	\$0	\$0		\$0			
23	Wheeling	\$0	\$0	\$0	\$0	\$0		\$0			
24	Energy Innovation Hub	\$101,186	(\$17,605)	\$83,581	\$0	\$83,581		\$83,581			
25	Gas Business Enablement	\$3,905,741	\$525,278	\$4,431,019	\$211,343	\$4,642,362		\$4,642,362			
26	Electric Operations	\$0	\$0	\$0	\$0	\$0		\$0			
27	Gas Operations	\$1,032,482	(\$76,782)	\$955,700	\$0	\$955,700		\$955,700			
28	Customer Affordability Program	\$292,714	\$2,518	\$295,232	(\$138,649)	\$156,583		\$156,583			
29	Sub Total	\$88,004,036	\$3,154,033	\$91,158,069	\$2,182,762	\$93,340,831		\$93,340,831			
30											
31	Purchased Power/ Purchased Gas	\$0	\$0	\$0	\$0	\$0		\$0			
32											
33	Sub Total	\$0	\$0	\$0	\$0	\$0		\$0			
34											
35	TOTAL	\$88,004,036	\$3,154,033	\$91,158,069	\$2,182,762	\$93,340,831		\$93,340,831			

Column Notes
(a) Column (i)

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

	Test Year Ended June	Gas Business	Gas Cost Recovery	Other	Total	Test Year Ended June
	30, 2017 (Per Books) (c)	Enrollment (GBE) (b)	(GCR) (c)	(d)	Normalizing Adjustments (e) = (b) + (c) + (d)	30, 2017 (as Adjusted) (f) = (c) + (e)
Test Year Amounts that are Specifically Adjusted:						
1						
2						
3						
4						
5						
6	Operating & Maintenance Expense					
7	Labor	\$36,022,308				\$30,217,656
8	Health Care	\$4,439,997				\$4,439,997
9	Group Life Insurance	\$350,981				\$350,981
10	Thrift Plan	\$1,375,749				\$1,375,749
11	FAS 112 / ASC 712	(\$238,762)				\$0
12	Service Company Rents	\$3,077,583		\$238,762		\$2,726,684
13	Joint Facilities	\$561,452		(\$350,899)		\$555,621
14	Uninsured Claims	\$846,495		(\$5,831)		\$846,495
15	Insurance Premium	\$828,984		\$0		\$828,984
16	Regulatory Assessment Fees	\$1,897,662		\$0		\$1,897,662
17	Postage	\$4,025,491		\$0		\$5,718,828
18	Strike Contingency	\$1,319,478		(\$7,410)		\$1,312,068
19	Environmental Response Fund	\$0		\$0		\$0
20	Paperless Bill Credit	\$0		\$265,235		\$265,235
21	PBOP	\$2,492,494		\$0		\$2,492,494
22	Pension	\$7,383,350		\$0		\$7,383,350
23	Energy Efficiency Program	\$23,701,929		(\$23,701,929)		\$0
24	Other Operating and Maintenance Expenses	\$27,394,172		\$572,878		\$26,196,296
25	Storm Cost Recovery		(\$258,832)			\$0
26	Gas Commodity OM	\$0		\$0		\$0
27	NEP IFA Credit	\$0	(\$219,623)			\$0
28	Wheeling	\$0		\$1,527,902		\$1,308,279
29	Energy Innovation Hub	\$0		\$0		\$0
30	Gas Business Enablement	\$0		\$0		\$0
31	Electric Operations	\$0		\$0		\$0
32	Gas Operations	\$0		\$0		\$0
33	Customer Affordability Program	\$0		\$0		\$0
34	Sub Total Operating & Maintenance Expense	\$115,479,365	(\$1,511,923)	(\$24,742,783)	(\$27,562,985)	\$87,916,380
35						
36	Purchased Power/ Purchased Gas	\$136,269,302	\$0	(\$136,269,302)	(\$136,269,302)	\$0
37						
38	Sub Total	\$136,269,302	\$0	(\$136,269,302)	(\$136,269,302)	\$0
39						
40	TOTAL	\$251,748,667	(\$1,511,923)	(\$161,012,086)	(\$163,832,287)	\$87,916,380
	Check Totals	\$251,748,667	\$0	(\$161,012,086)	(\$163,832,287)	\$87,916,380
	Difference	\$0		\$0		\$0

Line Notes

- 6(c) Schedule MAL-12 Page 5, Line 28(c) to 30(c)
- 6(d) Schedule MAL-12 Page 5, Line 6(c) to 8(c)
- 10(d) Schedule MAL-16, Page 5 Lines 14(c) through 16(c)
- 11(d) Schedule MAL-17, Page 5 Lines 2(c) through 5(c)
- 16(d) Schedule MAL-22, Page 5 Lines 4(c)
- 17(d) Schedule MAL-23, Page 5 Lines 8(c) through 11(c)
- 20(d) Schedule MAL-26, Page 5 Line 3(c)
- 23(d) Schedule MAL-29, Page 5 Lines 2(c) through 3(c)
- 24(b) Schedule MAL-30, Page 7 Lines 2(b) through 17(b)
- 24(d) Schedule MAL-30, Page 7 Lines 2(c) through 17(c)
- 24(d) Schedule MAL-30, Page 7 Lines 2(d) through 17(d)
- 26(c) Schedule MAL-32 Page 5, Line 2(a) to Line 14(a)
- 26(d) Schedule MAL-32 Page 5, Line 2(a) to Line 14(a)

The Narragansett Electric Company d/b/a National Grid
Calculation Of Inflation
Occurring Between The Test Year And The Rate Year

<u>Calculation of Inflation Rate:</u>			Line
	GDP-CTPI ⁽¹⁾	CPI-U ⁽²⁾	1
Index - Midpoint of Test Year June 2017	112.4	242.7	2
			3
Index - Midpoint of Rate Year Aug 2019	<u>117.5</u>	<u>254.2</u>	4
			5
Increase in Index From Midpoint Of The Test Year To The Midpoint of Rate Year			6
Inflation Factor %	<u>4.52%</u>	<u>4.73%</u>	<u>4.63%</u>
			9
Source: Moody's Analytics	2.26%	2.37%	10
			11
			12
	GDPIP	CPI	13
Index - Midpoint of Rate Year Aug 2019	117.5	254.2	14
			15
Index - Midpoint of Rate Year Aug 2020	<u>120.4</u>	<u>261.3</u>	16
			17
Increase in Index From Midpoint Of The Test Year To The Midpoint of Rate Year			18
Inflation Factor %	<u>2.50%</u>	<u>2.82%</u>	<u>2.66%</u>
			21
Source: Moody's Analytics			22
			23
	GDPIP	CPI	24
Index - Midpoint of Rate Year Aug 2019	120.4	261.3	25
			26
Index - Midpoint of Rate Year Aug 2020	<u>123.2</u>	<u>268.0</u>	27
			28
Increase in Index From Midpoint Of The Test Year To The Midpoint of Rate Year			29
Inflation Factor %	<u>2.32%</u>	<u>2.54%</u>	<u>2.43%</u>
			31

⁽¹⁾ Gross Domestic Product Chain-type Index

⁽²⁾ LL URBAN Consumer Price Index

Schedule MAL-4-ELEC (REV-2)
Amortization of Regulatory Deferrals– Electric

The Narragansett Electric Company d/b/a National Grid
Amortization of Regulatory Deferrals - Electric
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Test Year Ended June 30, 2017 (a)	Normalizing Adjustments (b)	Adjusted Balance June 30, 2017 (c)	Proforma Adjustments (d)	Rate Year Ending August 31, 2019 (e)	Reflect Condition in Rate Year (f)	Rate Year Ending August 31, 2020 (g)	Reflect Condition in Rate Year (h)	Rate Year Ending August 31, 2021 (i)
1 Rate Case Expenses	\$8,454	(\$8,454)	\$0	\$352,210	\$352,210	\$0	\$352,210	\$0	\$352,210
2									
3 Total	<u>\$8,454</u>	<u>(\$8,454)</u>	<u>\$0</u>	<u>\$352,210</u>	<u>\$352,210</u>	<u>\$0</u>	<u>\$352,210</u>	<u>\$0</u>	<u>\$352,210</u>

Line Notes

- 1 (d) Page 2, Line 7
- 1-3 Column (a) per Company Books
- 1-3 Column (c) = Column (a) + Column (b)
- 1-3 Column (e) = Column (c) + Column (d)
- 1-3 Column (g) = Column (e) + Column (f)
- 1-3 Column (i) = Column (g) + Column (h)

The Narragansett Electric Company d/b/a National Grid
Rate Case Expenses - Electric
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Amount
1 Rate Case Expense for Narragansett Electric Company - Electric Segment	\$1,056,630
2	
3 Number of Years to be Normalized	3
4	
5 Annual Normalized Rate Case Expenses Recovery	<u>\$352,210</u>

Line Notes

1 Based on the most current information during the progression of the rate case and to be updated

Consultant	Description of Service	PO Amount	Test Year	Remainder	Electric only	Allocated 67.64%	Total
						(a)	
Gannett Fleming, Inc.	Depreciation Study	\$61,000	\$0	\$61,000		\$41,260	\$41,260
Howard S. Gorman - HSG Group, Inc.	Allocated Cost of Service Study - Electric	\$90,000	\$0	\$90,000	\$90,000		\$90,000
Scott Madden Inc.	ROE/Cost of Capital Structure	\$119,520	\$0	\$119,520		\$80,843	\$80,843
Keegan & Werlin	Legal	\$525,000	\$0	\$525,000		\$355,110	\$355,110
Hinckley Allen	Legal	\$473,000	\$0	\$473,000		\$319,937	\$319,937
Towers Watson	Compensation Study	\$73,151	\$27,807	\$45,344		\$49,479	\$49,479
WarRoom Document Solutions	Printing - Electric	\$15,000	\$0	\$15,000	\$15,000		\$15,000
A-1 Court Reports, Inc.	Other - Electric	\$5,000	\$0	\$5,000	\$5,000		\$5,000
Division of Public Utilities and Carriers	Rate Case Assessment	\$100,000	\$0	\$100,000	\$100,000		\$100,000
Total		\$1,461,671	\$27,807	\$1,433,864	\$210,000	\$846,630	\$1,056,630

(a) Per Company's Cost Allocation Code G-316

SAP Alloc. Code	Company Description	3 Pt. Allocation %
G-316	Narragansett Electric Company	67.64%
G-316	Narragansett Gas Company	32.36%
	Total	100.00%

3 Rate case expected to be filed in 3 years

5 Line 1 divided by Line 3.

Schedule MAL-4-GAS (REV-2)

Amortization of Regulatory Deferrals – Gas

The Narragansett Electric Company d/b/a National Grid
Amortization of Regulatory Deferrals - Gas
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Test Year Ended June 30, 2017	Normalizing Adjustments	Adjusted Balance June 30, 2017	Proforma Adjustments	Rate Year Ending August 31, 2019	Reflect Condition in Rate Year	Rate Year Ending August 31, 2020	Reflect Condition in Rate Year	Rate Year Ending August 31, 2021
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1 Advantage System Amortization	\$705,953	(\$262)	\$705,691	(\$705,691)	\$0	\$0	\$0	\$0	\$0
2 Rate Case Expense Amortization	\$0	\$0	\$0	\$220,044	\$220,044	\$0	\$220,044	\$0	\$220,044
3 Environmental Cost Amortization	\$0	\$1,310,000	\$1,310,000	\$0	\$1,310,000	\$0	\$1,310,000	\$0	\$1,310,000
4 Total	<u>\$705,953</u>	<u>\$1,309,738</u>	<u>\$2,015,691</u>	<u>(\$485,647)</u>	<u>\$1,530,044</u>	<u>\$0</u>	<u>\$1,530,044</u>	<u>\$0</u>	<u>\$1,530,044</u>

Line Notes

- 1 (d) It is the amortization from "Advantage System Book Value 2012 ~ 2017", the balance at the beginning of the Rate Year 1 is zero, no amortization in rate year
- 2 (d) Page 2, Line 5
- 3 (d) As approved on RIPUC Docket No. 3401
- 1-4 Column (a) per Company Books
- 1-4 Column (c) = Column (a) + Column (b)
- 1-4 Column (e) = Column (c) + Column (d)
- 1-4 Column (g) = Column (e) + Column (f)
- 1-4 Column (i) = Column (g) + Column (h)

The Narragansett Electric Company d/b/a National Grid
Rate Case Expenses - Gas
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Amount
1 Rate Case Expense for Narragansett Electric Company - Gas Segment	\$660,132
2	
3 Number of Years to be Normalized	3
4	
5 Annual Normalized Rate Case Expenses Recovery	<u>\$220,044</u>

Line Notes

1 Based on the most current information during the progression of the rate case and to be updated

Consultant	Description of Service	PO Amount	Test Year	Remainder	Gas only	Allocated 32.36% (a)	Total
Gannett Fleming, Inc.	Depreciation Study	\$61,000	\$0	\$61,000		\$19,740	\$19,740
Paul Normand - Management Applications Consulting, Inc.	Allocated Cost of Service Study - Gas	\$165,091	\$0	\$165,091	\$165,091		\$165,091
Scott Madden Inc.	ROE/Cost of Capital Structure	\$119,520	\$0	\$119,520		\$38,677	\$38,677
Keegan & Werlin	Legal	\$525,000	\$0	\$525,000		\$169,890	\$169,890
Hinckley Allen	Legal	\$473,000	\$0	\$473,000		\$153,063	\$153,063
Towers Watson	Compensation Study	\$73,151	\$27,807	\$45,344		\$23,672	\$23,672
WarRoom Document Solutions	Printing - Gas	\$15,000	\$0	\$15,000	\$15,000		\$15,000
A-1 Court Reports, Inc.	Other - Gas	\$5,000	\$0	\$5,000	\$5,000		\$5,000
Division of Public Utilities and Carriers	Rate Case Assessment	\$70,000	\$0	\$70,000	\$70,000		\$70,000
Total		<u>\$1,506,762</u>	<u>\$27,807</u>	<u>\$1,478,955</u>	<u>\$255,091</u>	<u>\$405,041</u>	<u>\$660,132</u>

(a) Per Company's Cost Allocation Code G-316

SAP Alloc. Code	Company Description	3 Pt. Allocation %
G-316	Narragansett Electric Company	67.64%
G-316	Narragansett Gas Company	32.36%
	Total	100.00%

3 Rate case expected to be filed in 3 years

5 Line 1 divided by Line 3.

Schedule MAL-5-ELEC (REV-2)

Amortization of Intangibles– Electric

The Narragansett Electric Company d/b/a National Grid
Amortization of Intangibles - Electric
For the Test Year Ended June 30, 2017 and the Data Year 1 Ending August 31, 2020

	Test Year Ended	Normalizing	Adjusted Test Year	Proforma	Rate Year Ending	Reflect Condition	Rate Year Ending	Reflect Condition	Rate Year Ending
	June 30, 2017	Adjustments	June 30, 2017	Adjustments	August 31, 2019	in Rate Year	August 31, 2020	in Rate Year	August 31, 2021
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1 Amortization	\$62,962	(\$62,962)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Per Company Books
- (b) The intangible assets are recovered through the Renewable Energy Growth Program and excluded from the general rate case
- (c) Column (a) plus Column (b)
- (e) Column (c) plus Column (d)
- (g) Column (e) plus Column (f)
- (i) Column (g) plus Column (h)

Schedule MAL-5-GAS (REV-2)

Amortization of Intangibles – Gas

The Narragansett Electric Company d/b/a National Grid
Amortization of Intangibles - Gas
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Test Year Ended	Normalizing	Adjusted Test	Proforma	Rate Year 1	Reflect	Rate Year 2	Reflect	Rate Year	
	June 30, 2017	Adjustments	Year	Adjustments	2019	Condition	August 31,	Condition	Ending	
	(a)	(b)	June 30, 2017	(d)	(e)	in Rate Year	2020	in Rate	August 31, 2021	
			(c)			(f)	(g)	Year	(i)	
1	Amortization	\$1,874,224	\$106,546	\$1,980,770	(1,554,586)	426,184	\$0	426,184	\$0	426,184

Column Notes

- (a) Per Company Books
(b) The following software was written off at Mar 31, 2017 for accounting purpose, it is still in use and should be amortized for rate case purpose
- | | |
|-------------------|-------------|
| Cost | 9,991,374 |
| Acc. Amortization | (7,523,135) |
- Refer to the schedule below, the software was amortized over 271 months before the being written off. The annual amortization is:
- | | | |
|------------------------------------|---------|----------|
| Monthly Depreciation | A below | \$35,515 |
| 3 month Amortization for test year | A * 3 | 106,546 |
| (e) Annual Amortization | A * 12 | 426,184 |

Power plan report - 1604 for intangible assets as of March 2017

asset_id	description	init_life	remaining_life	gl_post_mo_yr	beg_asset_dollars	depr_reserve	Month_depr_expense
44763949	- Consultant AM/FM	271	97.45	1-Mar-17	\$578,232	\$372,436	\$2,134
44763956	LA30397AM/FM - ITS I	271	48.95	1-Mar-17	\$90,981	\$76,942	\$293
44763960	LAS30398AMFM - INTE	271	48.95	1-Mar-17	\$285,234	\$241,219	\$918
44763961	MIS303980AFM - MISC	271	48.95	1-Mar-17	\$110,722	\$93,636	\$356
44763966	SF303980AMFM - SOFT	271	48.95	1-Mar-17	\$101,890	\$86,167	\$328
44763971	SF303990AMFM - AM/F	271	60.95	1-Mar-17	\$2,698,329	\$2,139,257	\$9,326
44763993	TRL30397AMFM - TRA	271	48.95	1-Mar-17	\$6,846	\$5,789	\$22
44763995	AF303980AMFM - AFU	271	48.95	1-Mar-17	\$32,749	\$27,695	\$105
44763996	CN30396AM/FM - CON:	271	48.95	1-Mar-17	\$793,743	\$671,259	\$2,554
44763998	CN30397AM/FM - CON:	271	48.95	1-Mar-17	\$124,561	\$105,340	\$401
96815952	SF303000AMFM - AM/F	271	72.95	1-Mar-17	\$3,096,677	\$2,275,633	\$11,411
96815957	SF303010AMFM - AM/F	271	84.95	1-Mar-17	\$2,071,410	\$1,427,760	\$7,667
					\$9,991,374	\$7,523,135	\$35,515

- (c) Column (a) + Column (b)
(d) Column (e) - Column (c)
(e) All other intangibles are fully amortized, only AM/FM Software needs to be amortized, refer to (b) for calculation
(g) Column (e) + Column (f)
(i) Column (g) + Column (h)

Schedule MAL-6-ELEC (REV-2)

Depreciation– Electric

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No.	Description	Reference	Amount
		(a)	(b)
1	Total Company Rate Year Distribution Depreciation Expense	Sum of Page 2, Line 16 and Line 17	\$50,932,289
2	Test Year Depreciation Expense	Per Company Books	\$69,031,187
3	Less: Test Year IFA related Depreciation Expense	Page 4, Line 30, Column (c)	(\$19,814,202)
4	Less: ARO and other adjustments	Page 4, Line 30, Column (b) + Column (d)	(\$55,610)
5	Adjusted Total Company Test Year Distribution Depreciation Expense	Sum of Line 2 through Line 4	<u>\$49,161,375</u>
6	Depreciation Expense Adjustment	Line 1 - Line 5	<u>\$1,770,914</u>
7			
8			Per Book
9	Test Year Depreciation Expense 12 Months Ended 06/30/17:		<u>Amount</u>
10	Total Distribution Utility Plant 06/30/17	Page 4, Line 28, Column (e)	\$2,141,474,644
11	Less Non Depreciable Plant	Page 4, Line 26, Column (e)	(\$627,567,742)
12	Depreciable Utility Plant 6/30/17	Line 10 + Line 11	<u>\$1,513,906,902</u>
13			
14	Plus: Added Plant 2 Mos Ended 08/31/17	Schedule MAL-11-ELEC, Page 6, Line 7	\$12,473,833.33
15	Less: Streetlights retired in the 2 Mos Ended 08/31/17	Per Company Books	(\$1,057,011)
16	Less: Retired Plant 2 Months Ended 08/31/17	1/ Line 14 x Retirement Rate	<u>(\$3,699,739)</u>
17	Depreciable Utility Plant 08/31/17	Line 12 + Line 14 + Line 16	<u>\$1,521,623,985</u>
18			
19	Average Depreciable Plant from 06/30/17 to 08/31/17	(Line 12 + Line 17)/2	\$1,517,765,443
20			
21	Composite Book Rate %	As Approved in R.I.P.U.C. Docket No. 4323	3.40%
22			
23	Book Depreciation Reserve 06/30/17	Page 5, Line 69, Column (e)	\$652,405,159
24	Plus: Book Depreciation Expense excluding Streetlight Retirement	1/6 of (Line 19 excl. Line 15 x Line 21)	\$8,603,666
25	Less: Streetlights retired in the 2 Mos Ended 08/31/17 and Dep. for 2 Mos	1/12 of (Line 15 x SL Dep Rate) + Line 15	<u>(\$1,058,319)</u>
26	Less: Net Cost of Removal/(Salvage)	2/ Line 14 x Cost of Removal Rate	(\$1,281,063)
27	Less: Retired Plant	Line 16	(\$3,699,739)
28	Book Depreciation Reserve 08/31/17	Sum of Line 23 through Line 27	<u>\$654,969,704</u>
29			
30	Depreciation Expense 12 Months Ended 08/31/18		
31	Total Utility Plant 08/31/17	Line 10 + Line 14 + Line 15 + Line 16	\$2,149,191,727
32	Less Non Depreciable Plant	Line 11	(\$627,567,742)
33	Depreciable Utility Plant 08/31/17	Line 31 + Line 32	<u>\$1,521,623,985</u>
34			
35	Plus: Plant Added in 12 Months Ended 08/31/18	Schedule MAL-11-ELEC, Page 6, Line 14	\$74,878,000
36	Less: Plant Retired in 12 Months Ended 08/31/18	1/ Line 35 x Retirement rate	(\$22,208,815)
37	Depreciable Utility Plant 08/31/18	Sum of Line 33 through Line 36	<u>\$1,574,293,170</u>
38			
39	Average Depreciable Plant for 12 Months Ended 08/31/18	(Line 33 + Line 37)/2	<u>\$1,547,958,578</u>
40			
41	Composite Book Rate %	As Approved in R.I.P.U.C. Docket No. 4323	3.40%
42			
43	Book Depreciation Reserve 08/31/17	Line 28	\$654,969,704
44	Plus: Book Depreciation 08/31/18	Line 39 x Line 41	\$52,630,592
45	Less: Net Cost of Removal/(Salvage)	2/ Line 35 x Cost of Removal Rate	(\$7,689,971)
46	Less: Retired Plant	Line 36	(\$22,208,815)
47	Book Depreciation Reserve 08/31/18	Sum of Line 43 through Line 46	<u>\$677,701,510</u>
1/	3 year average retirement over plant addition in service FY 15 ~ FY17	29.66%	Retirements
2/	3 year average Cost of Removal over plant addition in service FY 15 ~ FY17	10.27%	COR

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No.	Description	Reference (a)	Amount (b)
1	Rate Year Depreciation Expense 12 Months Ended 08/31/19:		
2	Total Utility Plant 08/31/18	Page 1, Line 31 + Line 35 + Line 36	\$2,201,860,912
3	Less Non-Depreciable Plant	Page 1, Line 11	(\$627,567,742)
4	Depreciable Utility Plant 08/31/18	Line 2 + Line 3	\$1,574,293,170
5			
6	Plus: Added Plant 12 Months Ended 08/31/19	Schedule MAL-11-ELEC, Page 6, Line 38	\$77,541,000
7	Less: Depreciable Retired Plant	1/ Line 6 x Retirement rate	(\$22,998,661)
8			
9	Depreciable Utility Plant 08/31/19	Sum of Line 4 through Line 7	\$1,628,835,510
10			
11	Average Depreciable Plant for Rate Year Ended 08/31/19	(Line 4 + Line 9)/2	\$1,601,564,340
12			
13	Proposed Composite Rate %	Page 4, Line 18, Columnnum (f)	3.19558%
14			
15	Book Depreciation Reserve 08/31/18	Page 1, Line 47	\$677,701,510
16	Plus: Book Depreciation Expense	Line 11 x Line 13	\$51,179,298
17	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-ELECTRIC, Part VI, Page 6	(\$247,009)
18	Less: Net Cost of Removal/(Salvage)	2/ Line 6 x Cost of Removal Rate	(\$7,963,461)
19	Less: Retired Plant	Line 7	(\$22,998,661)
20	Book Depreciation Reserve 08/31/19	Sum of Line 15 through Line 19	\$697,671,678
21			
22	Rate Year Depreciation Expense 12 Months Ended 08/31/20:		
23	Total Utility Plant 08/31/19	Line 2 + Line 6 + Line 7	\$2,256,403,252
24	Less Non-Depreciable Plant	Page 1, Line 11	(\$627,567,742)
25	Depreciable Utility Plant 08/31/19	Line 23 + Line 24	\$1,628,835,510
26			
27	Plus: Added Plant 12 Months Ended 08/31/20	Schedule MAL-11-ELEC, Page 7, Line 36	\$76,843,000
28	Less: Depreciable Retired Plant	1/ Line 27 x Retirement rate	(\$22,791,634)
29			
30	Depreciable Utility Plant 08/31/20	Sum of Line 25 through Line 28	\$1,682,886,876
31			
32	Average Depreciable Plant for Rate Year Ended 08/31/20	(Line 25 + Line 30)/2	\$1,655,861,193
33			
34	Proposed Composite Rate %	Page 4, Line 18, Columnnum (f)	3.19558%
35			
36	Book Depreciation Reserve 08/31/20	Line 20	\$697,671,678
37	Plus: Book Depreciation Expense	Line 32 x Line 34	\$52,914,398
38	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-ELECTRIC, Part VI, Page 6	(\$247,009)
39	Less: Net Cost of Removal/(Salvage)	2/ Line 27 x Cost of Removal Rate	(\$7,891,776)
40	Less: Retired Plant	Line 28	(\$22,791,634)
41	Book Depreciation Reserve 08/31/20	Sum of Line 36 through Line 40	\$719,655,657
42			
43	Rate Year Depreciation Expense 12 Months Ended 08/31/21:		
44	Total Utility Plant 08/31/20	Line 23 + Line 27 + Line 28	\$2,310,454,618
45	Less Non-Depreciable Plant	Page 1, Line 11	(\$627,567,742)
46	Depreciable Utility Plant 08/31/20	Line 44 + Line 45	\$1,682,886,876
47			
48	Plus: Added Plant 12 Months Ended 08/31/21	Schedule MAL-11-ELEC, Page 7, Line 44	\$76,843,000
49	Less: Depreciable Retired Plant	1/ Line 48 x Retirement rate	(\$22,791,634)
50			
51	Depreciable Utility Plant 08/31/21	Sum of Line 46 through Line 49	\$1,736,938,242
52			
53	Average Depreciable Plant for Rate Year Ended 08/31/21	(Line 46 + Line 51)/2	\$1,709,912,559
54			
55	Proposed Composite Rate %	Page 4, Line 18, Columnnum (f)	3.19558%
56			
57	Book Depreciation Reserve 08/31/20	Line 41	\$719,655,657
58	Plus: Book Depreciation Expense	Line 53 x Line 55	\$54,641,653
59	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-ELECTRIC, Part VI, Page 6	(\$247,009)
60	Less: Net Cost of Removal/(Salvage)	2/ Line 48 x Cost of Removal Rate	(\$7,891,776)
61	Less: Retired Plant	Line 49	(\$22,791,634)
62	Book Depreciation Reserve 08/31/21	Sum of Line 57 through Line 61	\$743,366,891

1/ 3 year average retirement over plant addition in service FY 15 ~ FY17 29.66% Retirements
2/ 3 year average Cost of Removal over plant addition in service FY 15 ~ FY17 10.27% COR

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No.	Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustment (b)	Transmission Plant June 30, 2017 (c)	Other Adjustments June 30, 2017 (d)	Adjusted Balance (e)	Proposed Rate (f)	Test Year Depreciation (g) = (e) x (f)	
Intangible Plant										
1	303.00	Intangible Cap Software	\$440,739	\$0	\$0	(\$440,739)	(\$0)	0.00%	\$0	
2										
3		Total Intangible Plant	\$440,739	\$0	\$0	(\$440,739)	(\$0)		\$0	
4										
5	Production Plant									
6										
7	330.00	Land Hydro	\$6,989	\$0	\$0	\$0	\$6,989	0.00%	\$0	
8	331.00	Struct & Improvements	\$1,993,757	\$0	\$0	\$0	\$1,993,757	0.00%	\$0	
9	332.00	Reservoirs Dams And Water	\$1,125,689	\$0	\$0	\$0	\$1,125,689	0.00%	\$0	
10										
11		Total Production Plant	\$3,126,434	\$0	\$0	\$0	\$3,126,434		\$0	
12										
13	Transmission Plant									
14										
15	350.00	Land&Land Rights	\$9,121,773	\$0	(\$9,121,773)	\$0	\$0	0.00%	\$0	
16	352.00	Structures And Improvements	\$5,796,211	\$0	(\$5,796,211)	\$0	\$0	0.94%	\$0	
17	353.00	Transmission Station Equipment	\$296,170,454	\$0	(\$296,170,454)	\$0	\$0	2.43%	\$0	
18	353.10	Sta Equip Poll Contl Facility	\$52,233	\$0	(\$52,233)	\$0	\$0	2.43%	\$0	
19	354.00	Towers And Fixtures Transmission	\$1,554,741	\$0	(\$1,554,741)	\$0	\$0	7.44%	\$0	
20	355.00	Poles And Fixtures Transmission	\$328,207,728	\$0	(\$328,207,728)	\$0	\$0	3.13%	\$0	
21	356.00	Transmsn Conductr New	\$158,524,302	\$0	(\$158,524,302)	\$0	\$0	3.60%	\$0	
22	356.10	Overhead Conductors And Devices	\$58,973	\$0	(\$58,973)	\$0	\$0	3.60%	\$0	
23	356.20	Conductor And Devices	\$19,503	\$0	(\$19,503)	\$0	\$0	3.60%	\$0	
24	357.10	Ug Transmission Manholes & Handholes	\$228,385	\$0	(\$228,385)	\$0	\$0	0.92%	\$0	
25	357.20	Ug Transmission Conduit	\$4,601,701	\$0	(\$4,601,701)	\$0	\$0	0.92%	\$0	
26	358.00	Underground Conductors And Devices	\$29,948,930	\$0	(\$29,948,930)	\$0	\$0	1.68%	\$0	
27	359.00	Roads And Trails	\$492,182	\$0	(\$492,182)	\$0	\$0	0.82%	\$0	
28	359.10	1/ Elect Equip ARO	\$67,114	\$0	(\$67,114)	\$0	\$0	0.00%	\$0	
29										
30		Total Transmission Plant	\$834,844,229	\$0	(\$834,844,229)	\$0	\$0		\$0	
31										
32	Distribution Plant									
33										
34	360.00	Land & Land Rights New	\$364,996	\$0	(\$364,996)	\$0	\$0	0.00%	\$0	
35	362.00	Station Equipment	\$20,752,711	\$0	(\$20,752,711)	\$0	\$0	2.32%	\$0	
36	365.00	Overhead Conductors and Devices	\$1,571,576	\$0	(\$1,571,576)	\$0	\$0	3.02%	\$0	
37	367.10	Underground Conductors and Devices	\$83,518,730	\$0	(\$83,518,730)	\$0	\$0	2.52%	\$0	
38	360.00	Land & Land Rights New	\$12,874,490	\$0	\$0	\$0	\$12,874,490	0.00%	\$0	
39	360.10	Land Structures & Dist	\$95,396	\$0	\$0	\$0	\$95,396	0.00%	\$0	
40	361.00	Struct & Improvements	\$10,144,741	\$0	\$0	\$0	\$10,144,741	1.36%	\$137,968	
41	362.00	Station Equipment	\$253,879,227	\$0	\$0	\$0	\$253,879,227	2.19%	\$5,559,955	
42	362.10	Station Equip Pollution	\$71,597	\$0	\$0	\$0	\$71,597	2.19%	\$1,568	
43	362.55	Station Equipment - Energy Management System	\$663,280	\$0	\$0	\$0	\$663,280	6.70%	\$44,440	
44	364.00	Poles, Towers And Fixtures	\$237,808,052	\$0	\$0	\$106,800	\$237,914,852	4.27%	\$10,158,964	
45	365.00	Oh Conduct-Smart Grid	\$307,943,917	\$0	\$0	\$107,388	\$308,051,305	2.65%	\$8,163,360	
46	366.10	Underground Manholes A	\$23,368,987	\$0	\$0	\$0	\$23,368,987	1.33%	\$310,808	
47	366.20	Underground Conduit	\$48,513,051	\$0	\$0	\$0	\$48,513,051	1.55%	\$751,952	
48	367.10	Underground Conductors	\$173,786,203	\$0	\$0	\$22,742	\$173,808,945	3.42%	\$5,944,266	
49	368.10	Line Transformers - Stations	\$10,674,398	\$0	\$0	\$0	\$10,674,398	3.33%	\$355,457	
50	368.20	Line Transformers - Bare Cost	\$101,452,162	\$0	\$0	\$0	\$101,452,162	3.54%	\$3,591,407	
51	368.30	Line Transformers - Install Cost	\$77,639,022	\$0	\$0	\$62,731	\$77,701,753	3.59%	\$2,789,493	
52	369.10	Overhead Services	\$83,071,609	\$0	\$0	\$95,006	\$83,166,615	5.04%	\$4,191,597	
53	369.20	Underground Services C	\$1,691,919	\$0	\$0	\$0	\$1,691,919	4.87%	\$82,396	
54	369.21	Underground Services C	\$22,141,702	\$0	\$0	\$9,071	\$22,150,773	4.87%	\$1,078,743	
55	370.10	Meters - Bare Cost - Domestic	\$26,411,207	\$0	\$0	(\$45,090)	\$26,366,117	5.61%	\$1,479,139	
56	370.20	Meters - Install Cost - Domestic	\$10,115,911	\$0	\$0	(\$89,809)	\$10,026,102	5.81%	\$582,517	
57	370.30	Meters - Bare Cost - Large	\$11,492,790	\$0	\$0	\$0	\$11,492,790	5.69%	\$653,940	
58	370.35	Meters - Install Cost - Large	\$9,186,534	\$0	\$0	\$0	\$9,186,534	5.13%	\$471,269	
59	371.00	Installation On Custom	\$119,825	\$0	\$0	\$0	\$119,825	3.61%	\$4,326	
60	373.10	Oh Streetlighting	\$33,900,724	\$0	\$0	(\$10,229,598)	\$23,671,126	1.46%	\$345,598	
61	373.20	Ug Streetlighting	\$19,619,246	\$0	\$0	(\$3,606,259)	\$16,012,987	1.52%	\$243,397	
62	374.00	1/ Elect Equip ARO	\$569,213	(\$569,213)	\$0	\$0	\$0	0.00%	\$0	
63										
64		Total Distribution Plant	\$1,583,443,215	(\$569,213)	(\$106,208,013)	(\$13,567,018)	\$1,463,098,971		\$46,942,560	

Column Notes:

- (a) Per Company books
- (d) Line 1, Line 56 and Line 57, exclude assets related to ReGrowth Program
- (d) Line 44, 45, 48, 51, 52, 54, Company retirement adjustments
- (d) Line 60 and Line 61, streetlight retirement adjustments
- (e) Sum of Columns (a) through (d)
- (f) Proposed Depreciation Rate based on Depreciation Study, refer to Schedule NWA-1-ELECTRIC, Part VI, Page 4 and Page 5

Line Notes:

- 3 Sum of Line 1 through Line 2
- 11 Sum of Line 7 through Line 9
- 30 Sum of Line 15 through Line 28
- 64 Sum of Line 34 through Line 62
- 1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No.	Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustment (b)	Transmission Plant (c)	Other Adjustments June 30, 2017 (d)	Adjusted Balance (e)	Proposed Rate (f)	Test Year Depreciation (g) = (e) x (f)
<u>General Plant</u>									
1	389.00	Land And Land Rights	\$975,638	\$0	(\$133,226)	\$0	\$842,411	0.00%	\$0
2	390.00	Struct And Improvement Electric	\$39,627,533	\$0	(\$5,411,261)	\$0	\$34,216,272	2.28%	\$780,131
3	391.00	Office Furn & Fixt Electric (Fully Dep)	\$35,491	\$0	(\$4,846)	\$0	\$30,645	0.00%	\$29,542
4	391.00	Office Furn & Fixt Electric	\$477,469	\$0	(\$65,200)	\$0	\$412,269	6.67%	\$27,498
5	393.00	Stores Equipment	\$108,185	\$0	(\$14,773)	\$0	\$93,412	5.00%	\$4,671
6	394.00	General Plant Tools Shop	\$2,240,705	\$0	(\$305,975)	\$0	\$1,934,730	5.00%	\$96,736
7	395.00	General Plant Laboratory (Fully Dep)	\$333,809	\$0	(\$45,582.66)	\$0	\$288,227	0.00%	\$0
8	395.00	General Plant Laboratory (Fully Dep)	\$1,420,854	\$0	(\$194,022)	\$0	\$1,226,832	6.67%	\$81,830
9	397.00	Communication Equipment	\$6,181,769	\$0	(\$844,139)	\$0	\$5,337,629	5.00%	\$266,881
10	397.10	Communication Equipment Site Specific	\$2,931,182	\$0	(\$400,262)	\$0	\$2,530,920	3.90%	\$98,706
11	397.50	Communication Equipment Network	\$57,326	\$0	(\$7,828)	\$0	\$49,498	5.00%	\$2,475
12	398.00	General Plant Miscellaneous	\$817,849	\$0	(\$111,680)	\$0	\$706,169	6.67%	\$47,101
13	399.00	Other Tangible Property	\$14,459	\$0	(\$1,974)	\$0	\$12,484	0.00%	\$0
14	399.10	1/ ARO	\$641,843	(\$554,198)	(\$87,646)	\$0	\$0	0.00%	\$0
15									
16		Total General Plant	\$55,864,110	(\$554,198)	(\$7,628,415)	\$0	\$47,681,498		\$1,435,572
17									
18		<u>Grand Total - All Categories</u>	\$2,477,718,727	(\$1,123,411)	(\$948,680,657)	(\$14,007,757)	\$1,513,906,902	3.19558%	\$48,378,132
19									
20		<u>Other Utility Plant Assets</u>							
21									
22	105.00	Property For Future Use	\$15,028,555				\$15,028,555		
23	107	Construction Work in Progress	\$96,433,650				\$96,433,650		
24	114.00	Goodwill	\$516,105,537				\$516,105,537		
25									
26		Total of Other Utility Plant Assets	\$627,567,742				\$627,567,742		
27									
28		Total Electric Plant in Service	\$3,105,286,469	(\$1,123,411)	(\$948,680,657)	(\$14,007,757)	\$2,141,474,644		
29									
30		Test Year Depreciation Expense per books	\$69,031,187	(\$130,581)	(\$19,814,202)	\$74,971	\$49,161,375		
31									
32		Accumulated Reserve	\$768,535,818	(\$524,582)	(\$102,931,100)	(\$12,674,976)	\$652,405,159		

Column Notes:

- (a) Per Company books
- (e) Sum of Columns (a) through (d)
- (f) Proposed Depreciation Rate based on Depreciation Study, refer to Schedule NWA-1-ELECTRIC, Part VI, Page 5

Line Notes:

- 16 Sum of Line 1 through Line 14
- 18 Sum Lines (Page 3 Line 3, 11, 30, 64, and Page 4 Line 16)
- 18 Column (d), reflects adjustments for Retirements and Streetlight Sale not recorded on books as of June 30, 2017 and capital recovered through Renewable Energy Growth Program
- 26 Sum of Line 22 through Line 24
- 28 Sum of Line 18 and Line 26
- 30 Column (d), excluding depreciation of ReGrowth as well as the Company's retirement adjustments
- 32 Page 5, Line 69
- 1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

The Narragansett Electric Company d/b/a National Grid
Accumulated Depreciation - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No.	Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustments (b)	Transmission Plant (c)	Other Adjustments (d)	Adjusted Balance (e) = sum of (a) thru (d)
<u>Intangible Plant</u>							
1	303.00	Intangible Cap Softwa	\$91,821	\$0	\$0	(\$91,821)	\$0
2							
3		Total Intangible Plant	\$91,821	\$0	\$0	(\$91,821)	\$0
4							
<u>Production Plant</u>							
5							
6							
7	330.00	Land Hydro		\$0	\$0	\$0	\$0
8	331.00	Struct & Improvements	\$1,993,757	\$0	\$0	\$0	\$1,993,757
9	332.00	Reservoirs Dams And Wa	\$1,125,689	\$0	\$0	\$0	\$1,125,689
10							
11		Total Production Plant	\$3,119,445	\$0	\$0	\$0	\$3,119,445
12							
13							
<u>Transmission Plant</u>							
14							
15	350.00	Land&Land Rights	(\$411,776)	\$0	\$411,776	\$0	\$0
16	352.00	Structures And Improvements	\$3,510,381	\$0	(\$3,510,381)	\$0	\$0
17	353.00	Transmission Station Equipment	\$36,611,570	\$0	(\$36,611,570)	\$0	\$0
18	354.00	Towers And Fixtures Transmission	\$457,963	\$0	(\$457,963)	\$0	\$0
19	355.00	Poles And Fixtures Transmission	\$32,395,149	\$0	(\$32,395,149)	\$0	\$0
20	356.00	Overhead Conductors And Devices	\$5,975,934	\$0	(\$5,975,934)	\$0	\$0
21	357.00	Underground Conduit	\$3,203,223	\$0	(\$3,203,223)	\$0	\$0
22	358.00	Underground Conductors And Devices	\$17,053,879	\$0	(\$17,053,879)	\$0	\$0
23	359.00	Roads And Trails	\$526,621	\$0	(\$526,621)	\$0	\$0
24	359.10	1/ Elect Equip ARO	\$38,264	\$0	(\$38,264)	\$0	\$0
25							
26		Total Transmission Plant	\$99,361,208	\$0	(\$99,361,208)	\$0	\$0
27							
<u>Distribution Plant</u>							
28							
29							
32	360.00	Land & Land Rights New	\$0		\$0	\$0	\$0
33	362.00	Station Equipment	\$206,606		(\$206,606)	\$0	\$0
34	365.00	Overhead Conductors and Devices	\$5,641		(\$5,641)	\$0	\$0
35	367.10	Underground Conductors and Devices	\$986,903		(\$986,903)	\$0	\$0
36	360.00	Land & Land Rights New	(\$23,760)	\$0	\$0	\$23,760	\$0
37	361.00	Struct & Improvements	\$5,099,639	\$0	\$0	\$0	\$5,099,639
38	362.00	Station Equipment	\$51,252,395	\$0	\$0	\$0	\$51,252,395
39	364.00	Poles, Towers And Fixtures	\$107,271,672	\$0	\$0	\$252,795	\$107,524,467
40	365.00	Oh Conduct-Smart Grid	\$127,305,163	\$0	\$0	\$205,013	\$127,510,176
41	366.00	Underground Manholes A	\$33,879,330	\$0	\$0	\$1,970	\$33,881,300
42	367.00	Underground Conductors	\$67,149,720	\$0	\$0	\$265,309	\$67,415,029
43	368.00	Transformer Stations	\$117,261,728	\$0	\$0	\$164,657	\$117,426,385
44	369.00	Overhead Services	\$40,962,172	\$0	\$0	\$348,340	\$41,310,512
45	370.00	Meters - Bare Cost - Domestic	\$46,012,216	\$0	\$0	(\$9,143)	\$46,003,073
46	371.00	Installation On Custom	\$9,506	\$0	\$0	\$0	\$9,506
47	373.00	Oh Steeltighting	\$51,025,715	\$0	\$0	(\$13,835,857)	\$37,189,858
48	374.00	1/ Elect Equip ARO	\$197,371	(\$197,371)	\$0	\$0	\$0
49							
50		Total Distribution Plant	\$648,602,015	(\$197,371)	(\$1,199,150)	(\$12,583,156)	\$634,622,339
51							
<u>General Plant</u>							
52							
53							
54	389.00	Land And Land Rights	\$0	\$0	\$0	\$0	\$0
55	390.00	Struct And Improvement Electric	\$10,151,568	\$0	(\$1,386,228)	\$0	\$8,765,340
56	391.00	Office Furn & Fixt Elec	\$1,714	\$0	(\$234)	\$0	\$1,480
57	393.00	Stores Equipment	\$34,864	\$0	(\$4,761)	\$0	\$30,103
58	394.00	General Plant Tools Shop	\$564,934	\$0	(\$77,143)	\$0	\$487,790
59	395.00	General Plant Laboratory	\$2,660	\$0	(\$363)	\$0	\$2,297
60	395.10	Conservation Lab Equipment	\$667,352	\$0	(\$91,129)	\$0	\$576,223
61	397.00	Communication Equipment	\$66,944	\$0	(\$9,141)	\$0	\$57,803
62	397.10	Communication Equipment Site Specific	\$5,490,323	\$0	(\$749,720)	\$0	\$4,740,603
63	398.00	General Plant Miscellaneous	\$706	\$0	(\$96)	\$0	\$609
64	399.00	Other Tangible Property	\$1,304	\$0	(\$178)	\$0	\$1,126
65	399.10	1/ ARO	\$378,960	(\$327,212)	(\$51,748)	\$0	\$0
66							
67		Total General Plant	\$17,361,328	(\$327,212)	(\$2,370,742)	\$0	\$14,663,374
68							
69		<u>Grand Total - All Categories</u>	<u>\$768,535,818</u>	<u>(\$524,582)</u>	<u>(\$102,931,100)</u>	<u>(\$12,674,976)</u>	<u>\$652,405,159</u>

Column Notes:

- (a) Per Company's books
- (b) Adjustment for Assets Retirement Obligation which is not actual investment of the company
- (c) Exclude transmission related items
- (d) Exclude accumulated depreciation of ReGrowth Assets which is recovered through a separate mechanism
- (e) Sum of Columns (a) through (c)

Line Notes:

- 11 Sum of Line 7 through Line 9
- 26 Sum of Line 15 through Line 24
- 50 Sum of Line 30 through Line 48
- 67 Sum of Line 54 through Line 65
- 69 Sum of Line 3, 11, 26, 50, and 67
- 1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

Schedule MAL-6-GAS (REV-2)

Depreciation – Gas

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Line No	Description	Reference	Amount
			(a)
1	Total Company Rate Year Depreciation	Sum of Page 2, Line 16 and Line 17	\$41,105,376
2	Total Company Test Year Depreciation	Per Company Books	\$33,311,851
3	Less: Reserve adjustments	Page 4, Line 29, Col (b) + Col (c)	(\$15,649)
4	Adjusted Total Company Test Year Depreciation Expense	Line 2 + Line 3	\$33,296,202
5	Depreciation Expense Adjustment	Line 1 - Line 4	\$7,809,174
6			
7			
8	Test Year Depreciation Expense 12 Months Ended 06/30/17:		<u>Per Book</u>
9	Total Gas Utility Plant 06/30/17	Page 4, Line 27, Col (d)	\$1,405,994,678
10	Less Non Depreciable Plant	Sum of Page 3, Line 5, Col (d) and Page 4, Line 25, Col (e)	(\$308,514,725)
11	Depreciable Utility Plant 06/30/17	Line 9 + Line 10	\$1,097,479,953
12			
13	Plus: Added Plant 2 Mos Ended 08/31/17	Schedule MAL-11-GAS, Page 3, Line 4	\$19,087,111
14	Less: Retired Plant 2 Months Ended 08/31/17	1/ Line 13 x Retirement Rate	(\$1,311,285)
15	Depreciable Utility Plant 08/31/17	Line 11 + Line 13 + Line 14	\$1,115,255,780
16			
17	Average Depreciable Plant for Year Ended 08/31/17	(Line 11 + Line 15)/2	\$1,106,367,867
18			
19	Composite Book Rate %	As Approved in R.I.P.U.C. Docket No. 4323	3.38%
20			
21	Book Depreciation Reserve 06/30/17	Page 5, Line 72, Col (d)	\$357,576,825
22	Plus: Book Depreciation Expense	Line 17 x Line 20	\$6,232,539
23	Less: Net Cost of Removal/(Salvage)	2/ Line 13 x Cost of Removal Rate	(\$988,712)
24	Less: Retired Plant	Line 14	(\$1,311,285)
25	Book Depreciation Reserve 08/31/17	Sum of Line 21 through Line 24	\$361,509,367
26			
27	Depreciation Expense 12 Months Ended 08/31/18		
28	Total Utility Plant 08/31/17	Line 9 + Line 13 + Line 14	\$1,423,770,505
29	Less Non Depreciable Plant	Line 10	(\$308,514,725)
30	Depreciable Utility Plant 08/31/17	Line 28 + Line 29	\$1,115,255,780
31			
32	Plus: Plant Added in 12 Months Ended 08/31/18	Schedule MAL-11-GAS, Page 3, Line 11	\$118,238,399
33	Less: Plant Retired in 12 Months Ended 08/31/18	Line 32 x Retirement rate	(\$8,122,978)
34	Depreciable Utility Plant 08/31/18	Sum of Line 30 through Line 33	\$1,225,371,201
35			
36	Average Depreciable Plant for 12 Months Ended 08/31/18	(Line 30 + Line 34)/2	\$1,170,313,490
37			
38	Composite Book Rate %	As Approved in R.I.P.U.C. Docket No. 4323	3.38%
39			
40	Book Depreciation Reserve 08/31/17	Line 25	\$361,509,367
41	Plus: Book Depreciation 08/31/18	Line 36 x Line 38	\$39,556,596
42	Less: Net Cost of Removal/(Salvage)	Line 32 x Cost of Removal Rate	(\$6,124,749)
43	Less: Retired Plant	Line 33	(\$8,122,978)
44	Book Depreciation Reserve 08/31/18	Sum of Line 40 through Line 43	\$386,818,236

1/ 3 year average retirement over plant addition in service FY 15 ~ FY17 6.87% Retirements
2/ 3 year average Cost of Removal over plant addition in service FY 15 ~ FY17 5.18% COR

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Gas
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

Line No	Description	Reference	Amount
1	Rate Year Depreciation Expense 12 Months Ended 08/31/19:		
2	Total Utility Plant 08/31/18	Page 1, Line 28 + Line 32 + Line 33	\$1,533,885,926
3	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)
4	Depreciable Utility Plant 08/31/18	Line 2 + Line 3	\$1,225,371,201
5			
6	Plus: Added Plant 12 Months Ended 08/31/19	Schedule MAL-11-GAS, Page 3, Line 35	\$118,539,376
7	Less: Depreciable Retired Plant	1/ Line 6 x Retirement rate	(\$8,143,655)
8			
9	Depreciable Utility Plant 08/31/19	Sum of Line 4 through Line 7	\$1,335,766,922
10			
11	Average Depreciable Plant for Rate Year Ended 08/31/19	(Line 4 + Line 9)/2	\$1,280,569,061
12			
13	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.20%
14			
15	Book Depreciation Reserve 08/31/18	Page 1, Line 44	\$386,818,236
16	Plus: Book Depreciation Expense	Line 11 x Line 13	\$40,918,876
17	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500
18	Less: Net Cost of Removal/(Salvage)	2/ Line 6 x Cost of Removal Rate	(\$6,140,340)
19	Less: Retired Plant	Line 7	(\$8,143,655)
20	Book Depreciation Reserve 08/31/19	Sum of Line 15 through Line 19	\$413,639,617
21			
22	Rate Year Depreciation Expense 12 Months Ended 08/31/20:		
23	Total Utility Plant 08/31/19	Line 2 + Line 6 + Line 7	\$1,644,281,647
24	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)
25	Depreciable Utility Plant 08/31/19	Line 23 + Line 24	\$1,335,766,922
26			
27	Plus: Added Plant 12 Months Ended 08/31/20	Schedule MAL-11-GAS, Page 4, Line 36	\$114,194,630
28	Less: Depreciable Retired Plant	1/ Line 27 x Retirement rate	(\$7,845,171)
29			
30	Depreciable Utility Plant 08/31/20	Sum of Line 25 through Line 28	\$1,442,116,380
31			
32	Average Depreciable Plant for Rate Year Ended 08/31/20	(Line 25 + Line 30)/2	\$1,388,941,651
33			
34	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.20%
35			
36	Book Depreciation Reserve 08/31/20	Line 20	\$413,639,617
37	Plus: Book Depreciation Expense	Line 32 x Line 34	\$44,381,777
38	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500
39	Less: Net Cost of Removal/(Salvage)	2/ Line 27 x Cost of Removal Rate	(\$5,915,282)
40	Less: Retired Plant	Line 28	(\$7,845,171)
41	Book Depreciation Reserve 08/31/20	Sum of Line 37 through Line 40	\$444,447,441
42			
43	Rate Year Depreciation Expense 12 Months Ended 08/31/21:		
44	Total Utility Plant 08/31/20	Line 23 + Line 27 + Line 28	\$1,750,631,105
45	Less Non-Depreciable Plant	Page 1, Line 10	(\$308,514,725)
46	Depreciable Utility Plant 08/31/20	Line 44 + Line 45	\$1,442,116,380
47			
48	Plus: Added Plant 12 Months Ended 08/31/21	Schedule MAL-11-GAS, Page 4, Line 44	\$115,015,436
49	Less: Depreciable Retired Plant	1/ Line 48 x Retirement rate	(\$7,901,560)
50			
51	Depreciable Utility Plant 08/31/21	Sum of Line 46 through Line 49	\$1,549,230,256
52			
53	Average Depreciable Plant for Rate Year Ended 08/31/21	(Line 46 + Line 51)/2	\$1,495,673,318
54			
55	Proposed Composite Rate %	Page 4, Line 17, Col (e)	3.20%
56			
57	Book Depreciation Reserve 08/31/20	Line 41	\$444,447,441
58	Plus: Book Depreciation Expense	Line 53 x Line 55	\$47,792,245
59	Plus: Unrecovered Reserve Adjustment	Schedule NWA-1-GAS, Part VI, Page 6	\$186,500
60	Less: Net Cost of Removal/(Salvage)	2/ Line 48 x Cost of Removal Rate	(\$5,957,800)
61	Less: Retired Plant	Line 49	(\$7,901,560)
62	Book Depreciation Reserve 08/31/21	Sum of Line 57 through Line 61	\$478,566,827

1/ 3 year average retirement over plant addition in service FY 15 ~ FY17 6.87% Retirements
2/ 3 year average Cost of Removal over plant addition in service FY 15 ~ FY17 5.18% COR

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustment (b)	Adjustments June 30, 2017 (c)	Adjusted Balance (d) = (a) + (b) + (c)	Proposed Rate (e)	Depreciation Expense (f) = (d) x (e)	
<u>Intangible Plant</u>								
1	302.00	Franchises And Consents	\$213,499	\$0	\$0	\$213,499	0.00%	\$0
2	303.00	Misc. Intangible Plant	\$25,427	\$0	\$0	\$25,427	0.00%	\$0
3	303.01	Misc. Int Cap Software	\$19,833,570	\$0	\$9,991,374	\$29,824,944	0.00%	\$0
4								
5		Total Intangible Plant	\$20,072,496	\$0	\$9,991,374	\$30,063,870		\$0
6								
7	<u>Production Plant</u>							
8								
9	304.00	Production Land Land Rights	\$364,912	\$0	\$0	\$364,912	0.00%	\$0
10	305.00	Prod. Structures & Improvements	\$2,693,397	\$0	\$0	\$2,693,397	15.05%	\$405,356
11	307.00	Production Other Power	\$46,159	\$0	\$0	\$46,159	7.16%	\$3,305
12	311.00	Production LNG Equipme	\$3,167,445	\$0	\$0	\$3,167,445	11.40%	\$361,089
13	320.00	Prod. Other Equipment	\$1,106,368	\$0	\$0	\$1,106,368	6.69%	\$74,016
14								
15		Total Production Plant	\$7,378,281	\$0	\$0	\$7,378,281		\$843,766
16								
17	<u>Storage Plant</u>							
18								
19	360.00	Stor Land & Land Rights	\$261,151	\$0	\$0	\$261,151	0.00%	\$0
20	361.03	Storage Structures Improvements	\$3,385,049	\$0	\$0	\$3,385,049	0.99%	\$33,512
21	362.04	Storage Gas Holders	\$4,606,338	\$0	\$0	\$4,606,338	0.04%	\$1,843
22	363.00	Stor. Purification Equipment	\$13,891,210	\$0	\$0	\$13,891,210	3.37%	\$468,134
23								
24		Total Storage Plant	\$22,143,748	\$0	\$0	\$22,143,748		\$503,488
25								
26	<u>Distribution Plant</u>							
27								
28	374.00	Dist. Land & Land Rights	\$956,717	\$0	\$0	\$956,717	0.00%	\$0
29	375.00	Gas Dist Station Structure	\$10,642,632	\$0	\$0	\$10,642,632	1.15%	\$122,390
30	376.00	Distribution Mains	\$46,080,760	\$0	\$0	\$46,080,760	3.61%	\$1,663,515
31	376.03	Dist. River Crossing Main	\$695,165	\$0	\$0	\$695,165	3.61%	\$25,095
32	376.04	Mains - Steel And Other - SI	\$4,190	\$0	\$0	\$4,190	0.00%	\$0
33	376.06	Dist. District Regulator	\$14,213,837	\$0	\$0	\$14,213,837	3.61%	\$513,120
34	376.11	Gas Mains Steel	\$57,759,572	\$0	\$0	\$57,759,572	3.61%	\$2,085,121
35	376.12	Gas Mains Plastic	\$382,797,443	\$0	\$0	\$382,797,443	2.89%	\$11,062,846
36	376.13	Gas Mains Cast Iron	\$5,556,209	\$0	\$0	\$5,556,209	9.04%	\$502,281
37	376.14	Gas Mains Valves	\$222,104	\$0	\$0	\$222,104	3.61%	\$8,018
38	376.15	Propane Lines	\$0	\$0	\$0	\$0	3.61%	\$0
39	376.16	Dist. Cathodic Protect	\$1,569,576	\$0	\$0	\$1,569,576	3.61%	\$56,662
40	376.17	Dist. Joint Seals	\$63,067,055	\$0	\$0	\$63,067,055	4.63%	\$2,920,005
41	377.00	T&D Compressor Sta Equipment	\$248,656	\$0	\$0	\$248,656	1.07%	\$2,661
42	377.62	1/ 5360-Tanks ARO	\$299	(\$299)	\$0	\$0	0.00%	\$0
43	378.10	Gas Measur & Reg Sta Equipment	\$19,586,255	\$0	\$0	\$19,586,255	2.08%	\$407,394
44	378.55	Gas M&Reg Sta Eqp RTU	\$372,772	\$0	\$0	\$372,772	6.35%	\$23,671
45	379.00	Dist. Measur. Reg. Gs	\$11,033,164	\$0	\$0	\$11,033,164	2.22%	\$244,936
46	379.01	Dist. Meas. Reg. Gs Eq	\$1,399,586	\$0	\$0	\$1,399,586	0.00%	\$0
47	380.00	Gas Services All Sizes	\$331,205,854	\$0	\$0	\$331,205,854	3.24%	\$10,731,070
48	381.10	Sml Meter& Reg Bare Co	\$26,829,565	\$0	\$0	\$26,829,565	1.76%	\$472,200
49	381.30	Lrg Meter& Reg Bare Co	\$15,779,214	\$0	\$0	\$15,779,214	1.76%	\$277,714
50	381.40	Meters	\$9,332,227	\$0	\$0	\$9,332,227	0.96%	\$89,589
51	382.00	Meter Installations	\$675,201	\$0	\$0	\$675,201	3.66%	\$24,712
52	382.20	Sml Meter& Reg Installation	\$43,145,998	\$0	\$0	\$43,145,998	3.66%	\$1,579,144
53	382.30	Lrg Meter&Reg Installation	\$2,524,025	\$0	\$0	\$2,524,025	3.66%	\$92,379
54	383.00	Dist. House Regulators	\$937,222	\$0	\$0	\$937,222	0.67%	\$6,279
55	384.00	T&D Gas Reg Installs	\$1,216,551	\$0	\$0	\$1,216,551	1.56%	\$18,978
56	385.00	Industrial Measuring And Regulating Station Equipment	\$540,187	\$0	\$0	\$540,187	4.18%	\$22,580
57	385.01	Industrial Measuring And Regulating Station Equipment	\$255,921	\$0	\$0	\$255,921	0.00%	\$0
58	386.00	Other Property On Customer Premises	\$271,765	\$0	\$0	\$271,765	0.23%	\$625
59	386.02	Dist. Consumer Prem Equipment	\$110,131	\$0	\$0	\$110,131	0.00%	\$0
60	387.00	Dist. Other Equipment	\$930,079	\$0	\$0	\$930,079	2.15%	\$19,997
61	388.00	1/ ARO	\$5,736,827	(\$5,736,827)	\$0	\$0	0.00%	\$0
62								
63		Total Distribution Plant	\$1,055,696,761	(\$5,737,126)	\$0	\$1,049,959,635		\$32,972,983

Column Notes:

- (a) Per Company Books
- (e) Proposed Depreciation Rate based on Depreciation Study, refer to Schedule NWA-1-GAS, Part VI, Page 4 and Page 5

Line Notes:

- 1-3 Column (e) zero as intangibles are not included in the Depreciation Study, refer to Schedule MAL-5-GAS for Amortization of Intangibles
- 5 Sum of Line 1 through Line 3
- 15 Sum of Line 9 through Line 13
- 24 Sum of Line 19 through Line 23
- 63 Sum of Line 28 through Line 61

1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

The Narragansett Electric Company d/b/a National Grid
Depreciation Expense - Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustment (b)	Adjustments June 30, 2017 (c)	Adjusted Balance (d) = (a) + (b) + (c)	Proposed Rate (e)	Depreciation Expense (f) = (d) x (e)
1	<u>General Plant</u>						
2							
3	389.01 General Plant Land Lan	\$285,357	\$0	\$0	\$285,357	0.00%	\$0
4	390.00 Structures And Improvements	\$7,094,532	\$0	\$0	\$7,094,532	3.12%	\$221,349
5	391.01 Gas Office Furniture & Fixture	\$274,719	\$0	\$0	\$274,719	6.67%	\$18,324
6	394.00 General Plant Tools Shop (Fully Dep)	\$26,487	\$0	\$0	\$26,487	0.00%	\$0
7	394.00 General Plant Tools Shop	\$5,513,613	\$0	\$0	\$5,513,613	5.00%	\$275,681
8	395.00 General Plant Laboratory	\$221,565	\$0	\$0	\$221,565	6.67%	\$14,778
9	397.30 Communication Radio Site Specific	\$387,650	\$0	\$0	\$387,650	5.00%	\$19,383
10	397.42 Communication Equip Tel Site	\$63,481	\$0	\$0	\$63,481	20.00%	\$12,696
11	398.10 Miscellaneous Equipment (Fully Dep)	\$1,341,386	\$0	\$0	\$1,341,386	0.00%	\$0
12	398.10 Miscellaneous Equipment	\$2,789,499	\$0	\$0	\$2,789,499	6.67%	\$186,060
13	399.10 1/ ARO	\$342,146	(\$342,146)	\$0	\$0	0.00%	\$0
14							
15	Total General Plant	\$18,340,436	(\$342,146)	\$0	\$17,998,289		\$748,271
16							
17	<u>Grand Total - All Categories</u>	\$1,123,631,722	(\$6,079,273)	\$9,991,374	\$1,127,543,823	3.20%	\$35,068,508
18							
19	<u>Other Utility Plant Assets</u>						
20							
21	105.00 Prop For Future Use	\$0			\$0		
22	107 Construction Work in Progress	\$43,392,799			\$43,392,799		
23	114.00 Goodwill	\$235,058,056			\$235,058,056		
24							
25	Total of Other Utility Plant Assets	\$278,450,855			\$278,450,855		
26							
27	Total Gas Plant in Service	\$1,402,082,577	(\$6,079,273)	\$9,991,374	\$1,405,994,678		
28							
29	Test Year Depreciation Expense per books	\$33,311,851	(\$33,752)	\$18,103	\$33,296,202		
30							
31	Accumulated Reserve	\$362,334,719	(\$5,387,893)	\$629,999	\$357,576,825		

Column Notes:

- (a) Per Company Books
- (e) Proposed Depreciation Rate based on Depreciation Study, refer to Schedule NWA-1-GAS, Part VI, Page 5

Line Notes

- 15 Sum of Line 3 through Line 13
- 17 Sum Lines (Page 3 Line 5, 15, 24, 63, and Page 4 Line 15)
- 25 Sum of Line 21 through Line 23
- 27 Sum of Line 17 and Line 25
- 29 Column (d), the Company's retirement adjustments
- 31 Page 5, Line 72

1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

The Narragansett Electric Company d/b/a National Grid
Accumulated Depreciation - Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Account No.	Account Title	Test Year June 30, 2017 (a)	1/ ARO Adjustment (b)	Adjustments June 30, 2017 (c)	Adjusted Balance (d) = (a) + (b) + (c)
Intangible Plant					
1	302.00				
2	303.00				
3	303.01				
4		\$19,833,570	\$0	\$7,629,681	\$27,463,251
5		\$19,833,570	\$0	\$7,629,681	\$27,463,251
6	Production Plant				
7	304.00				
8	305.00				
9	307.00				
10	311.00				
11	320.00				
12		\$1,015,041	\$0	\$0	\$1,015,041
13		\$1,015,041	\$0	\$0	\$1,015,041
14	Storage Plant				
15	360.00				
16	361.03				
17	362.04				
18	363.00				
19		\$12,802,228	\$0	\$0	\$12,802,228
20		\$12,802,228	\$0	\$0	\$12,802,228
21	Distribution Plant				
22	374.00				
23	375.00				
24	376.00				
25	376.03				
26	376.04				
27	376.06				
28	376.11				
29	376.12				
30	376.13				
31	376.14				
32	376.15				
33	376.16				
34	376.17				
35	377.00				
36	377.62				
37	378.10				
38	378.55				
39	379.00				
40	379.01				
41	380.00				
42	381.10				
43	381.30				
44	381.40				
45	382.00				
46	382.20				
47	382.30				
48	383.00				
49	384.00				
50	385.00				
51	385.01				
52	386.00				
53	386.02				
54	387.00				
55	388.00				
56		\$347,426,043	(\$5,068,132)	\$383,120	\$342,741,031
57		\$347,426,043	(\$5,068,132)	\$383,120	\$342,741,031
58	General Plant				
59	389.01				
60	390.00				
61	391.01				
62	394.00				
63	395.00				
64	397.30				
65	397.42				
66	398.10				
67	399.10				
68		\$1,091,407	(\$319,761)	\$246,879	\$1,018,525
69		\$1,091,407	(\$319,761)	\$246,879	\$1,018,525
70		\$382,168,289	(\$5,387,893)	\$8,259,680	\$385,040,076
71		\$382,168,289	(\$5,387,893)	\$8,259,680	\$385,040,076
72		\$362,334,719	(\$5,387,893)	\$629,999	\$357,576,825

Column Notes:
(a) Per Company's books
(b) Adjustment for Assets Retirement Obligation which is not actual investment of the company
(c) Sum of (a) through (c)

Line Notes:
41(c) Retirement adjustments
59(c) No accumulated depreciation for Land and Land Right
70 Sum of Line 4, 12, 19, 56, and 68
72 Sum of Line 12, 19, 56, and 68

1/ Asset Retirement Obligations (AROs) are legal obligations that may exist in connection with the Company's retirement of a tangible long-lived asset. AROs are excluded from general rate case.

Schedule MAL-7-ELEC (REV-2)

Municipal Taxes– Electric

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Test Year Ended June 30, 2017 (a)	Normalizing Adjustments to Test Year (b)	Test Year Ended June 30, 2017 (as Adjusted) (a) + (b) = (c)	Proforma Adjustments (d)	Rate Year Ending August 31, 2019 (e)
1 Narragansett Electric Company	\$49,702,787	(20,023,313)	\$29,679,474	\$850,784	\$30,530,258
2					
3 Total Municipal Taxes	<u>\$49,702,787</u>	<u>(\$20,023,313)</u>	<u>\$29,679,474</u>	<u>\$850,784</u>	<u>\$30,530,258</u>

Column Notes

- (a) Per Company Books
- (b) Page 8, Line 12 + Page 9, Line 6
- (d) Column (e) - Column (c)
- (e) Page 6, Line 43(n)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric
For the Rate Year 1 Ending August 31, 2020 and the Rate Year Ending August 31, 2021

	Rate Year Ending August 31, 2019	Proforma Adjustments	Rate Year Ending August 31, 2020	Proforma Adjustments	Rate Year Ending August 31, 2021
	(a)	(b)	(a) + (b) = (c)	(d)	(e)
1 Narragansett Electric Company	\$30,530,258	1,019,417	\$31,549,675	\$1,053,456	\$32,603,132
2					
3 Total Municipal Taxes	<u>\$30,530,258</u>	<u>\$1,019,417</u>	<u>\$31,549,675</u>	<u>\$1,053,456</u>	<u>\$32,603,132</u>

Column Notes

- (a) Per Company Books
- (b) Line 1(a) * Page 7, Line 6(e)
- (d) Line 1(c) * Page 7, Line 6(e)
- (e) Line 1 (c) + Line 1(d)

The Narragansett Electric Company dba National Grid
 Municipal Taxes - Electric - Personal Property
 For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
 Pro Forma Test Year

Town	Total Assessment as of 12/31/16	IFA Related Assessment as of 12/31/2016	Net Distribution Assessment as of 12/31/16	2017 Actual Mill Rate	Distribution Municipal Taxes Pro Forma Tax Year 2017	Distribution Water/Sewer Tax Year 2017	Total Distribution Municipal Taxes Pro Forma Tax Year 2017	Distribution Rebills to Third Parties Pro Forma Tax Year 2017	Net Distribution Municipal Taxes Pro Forma Tax Year 2017	Three Year Average Percentage Increase in Distribution Property Taxes	Distribution Municipal Tax Expense Pro Forma Tax Year 2018	Distribution Municipal Tax Expense Pro Forma Tax Year 2019	Total Distribution Municipal Taxes Pro Forma RY
(a)	(b)	(c)	(b) - (c) = (d)	(e)	(d) * (e) = (f)	(g)	(f) + (g) = (h)	(i)	(h) - (i) = (j)	(k)	(j) * (1+(k)) = (l)	(l) * (1+(k)) = (m)	(l)*2+(m)/12*8)=(n)
1 Albion Fire District	\$ 3,473,094	\$ 1,113,696	\$ 2,359,398	3.00	\$ 7,078	\$ -	\$ 7,078	\$ -	\$ 7,078	3.3%	\$ 7,314	\$ 7,558	\$ 7,477.08
2 Central Coventry Fire District	9,718,175	6,663	9,711,512	3.08	29,911	-	29,911	-	29,911	3.3%	30,910	31,942	31,598
3 Chepachet Fire District - minimum	811	-	811	0.97	5	-	5	-	5	3.3%	5	5	5
4 City of Central Falls	3,906,302	-	3,906,302	73.11	285,590	-	285,590	-	285,590	3.3%	295,126	304,980	301,695
5 City of Cranston	49,005,313	18,808,600	30,196,713	34.41	1,039,069	-	1,039,069	-	1,039,069	3.3%	1,073,764	1,109,617	1,097,666
6 City of East Providence	19,302,830	1,365,766	17,937,064	55.24	990,843	-	990,843	-	990,843	3.3%	1,023,928	1,058,117	1,046,721
7 City of Newport	20,813,482	-	20,813,482	15.55	323,650	-	323,650	-	323,650	3.3%	334,456	345,624	341,902
8 City of Pawtucket	23,553,520	5,595,355	17,958,165	52.09	935,441	-	935,441	-	935,441	3.3%	966,676	998,953	988,194
9 City of Providence	199,668,496	25,635,812	174,032,684	55.80	9,711,024	-	9,711,024	-	9,711,024	3.3%	10,035,279	10,370,361	10,258,667
10 City of Warwick	113,873,763	73,918,380	39,955,383	40.48	1,617,394	-	1,617,394	-	1,617,394	3.3%	1,671,399	1,727,208	1,708,605
11 City of Woonsocket	22,226,800	9,089,819	13,136,981	46.58	611,921	-	611,921	-	611,921	3.3%	632,353	653,467	646,429
12 Coventry Fire District	2,891,470	1,982	2,889,488	4.86	14,043	-	14,043	-	14,043	3.3%	14,512	14,996	14,835
13 Cumberland Fire District	31,840,521	7,395,829	24,444,692	1.92	46,909	-	46,909	-	46,909	3.3%	48,476	50,094	49,555
14 Exeter Fire District	4,526,790	718,903	3,807,887	1.77	6,740	-	6,740	-	6,740	3.3%	6,965	7,198	7,120
15 Harmony FD	6,158,909	-	6,158,909	1.81	11,148	-	11,148	-	11,148	3.3%	11,520	11,905	11,776
16 Harrisville Fire District	33,987,783	31,245,857	2,741,926	2.53	6,937	-	6,937	-	6,937	3.3%	7,169	7,408	7,328
17 Hope Valley/Wvaminne Fire District	5,927,260	656,797	5,270,463	1.12	5,903	-	5,903	-	5,903	3.3%	6,100	6,304	6,236
18 Hopkins Hill Fire District	2,429,543	1,666	2,427,877	3.38	8,194	-	8,194	-	8,194	3.3%	8,468	8,750	8,656
19 Lime Rock Fire District	7,111,389	2,280,424	4,830,965	2.20	10,628	-	10,628	-	10,628	3.3%	10,983	11,350	11,227
20 Lonsdale Fire District	1,819,193	583,364	1,235,829	3.15	3,893	-	3,893	-	3,893	3.3%	4,023	4,157	4,112
21 Manville Fire District	1,323,049	424,265	898,784	1.47	1,321	-	1,321	-	1,321	3.3%	1,365	1,411	1,396
22 Nasonville Fire District	24,629,150	22,642,222	1,986,928	1.63	3,239	-	3,239	-	3,239	3.3%	3,347	3,459	3,421
23 North Tiverton Fire District	4,335,015	822,970	3,512,045	0.98	3,442	-	3,442	-	3,442	3.3%	3,557	3,675	3,636
24 Oakland-Mapleville Fire District	11,962,740	10,997,660	965,080	2.42	2,335	-	2,335	-	2,335	3.3%	2,413	2,494	2,467
25 Pascoag Fire District	6,761,059	6,215,618	545,441	2.03	1,107	-	1,107	-	1,107	3.3%	1,144	1,182	1,170
26 Providence Water Supply Board	52,877,607	18,808,600	34,069,007	-	17,933	-	17,933	-	17,933	3.3%	18,532	19,151	18,945
27 Quinville Fire District	330,762	106,066	224,696	1.48	333	-	333	-	333	3.3%	344	355	351
28 Richmond-Carolina Fire District	2,315,160	8,587	2,306,573	1.03	2,376	-	2,376	-	2,376	3.3%	2,455	2,537	2,510
29 Saylesville Fire District	2,480,717	795,497	1,685,220	3.15	5,308	-	5,308	-	5,308	3.3%	5,486	5,669	5,608
30 Stone Bridge Fire District	3,882,321	737,030	3,145,291	0.50	1,573	-	1,573	-	1,573	3.3%	1,625	1,679	1,661
31 Town of Barrington	6,040,216	-	6,040,216	20.00	120,804	-	120,804	-	120,804	3.3%	124,838	129,006	127,617
32 Town of Bristol	8,868,600	138,752	8,729,848	14.92	130,249	-	130,249	-	130,249	3.3%	134,598	139,093	137,595
33													
34 Total for All Towns	\$ 688,041,750	\$ 240,116,180	\$ 447,925,570		\$ 15,956,341	\$ -	\$ 15,956,341	\$ -	\$ 15,956,341		\$ 16,489,130	\$ 17,039,708	\$ 16,856,182

Column Notes
 (k) Page 7, Column 6(e)

Line Notes
 26(f) Charges not taxed based on property value.

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric - Personal Property
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
Pro Forma Test Year

Town	Total Assessment as of 12/31/16	IFA Related Assessment as of 12/31/2016	Net Distribution Assessment as of 12/31/16	2017 Actual Mill Rate	Distribution Municipal Taxes Pro Forma Tax Year 2017	Distribution Water/Sewer Tax Year 2017	Total Distribution Municipal Taxes Pro Forma Tax Year 2017	Distribution Rebills to Third Parties Pro Forma Tax Year 2017	Net Distribution Municipal Taxes Pro Forma Tax Year 2017	Three Year Average Percentage Increase in Distribution Municipal Taxes	Distribution Municipal Tax Expense Pro Forma Tax Year 2018	Distribution Municipal Tax Expense Pro Forma Tax Year 2019	Total Distribution Municipal Taxes Pro Forma RY
(a)	(b)	(c)	(b) - (c) = (d)	(e)	(d) * (e) = (f)	(g)	(f) + (g) = (h)	(i)	(h) - (i) = (j)	(k)	(j) * (1+(k)) = (l)	(l) * (1+(k)) = (m)	(12*4)+(m)/12*(8)=n
1	Town of Burrillville	70,369,059	64,692,116	5,676,943	17.56	99,687	-	99,687	-	3.3%	103,016	106,455	105,309
2	Town of Charlestown	11,291,883	2,409,330	8,882,553	9.59	85,184	-	85,184	-	3.3%	88,028	90,967	89,988
3	Town of Coventry	17,006,800	11,660	16,995,140	25.29	429,722	-	429,722	-	3.3%	444,071	458,898	453,956
4	Town of Cumberland	31,840,521	7,395,829	24,444,692	29.53	721,852	-	721,852	-	3.3%	745,955	770,862	762,560
5	Town of East Greenwich	10,048,885	3,918,964	6,131,921	23.66	145,081	-	145,081	-	3.3%	149,926	154,932	153,263
6	Town of Exeter	4,526,790	718,903	3,807,887	16.23	61,802	-	61,802	-	3.3%	63,866	65,998	65,287
7	Town of Foster	3,872,294	-	3,872,294	31.98	123,836	-	123,836	-	3.3%	127,971	132,244	130,820
8	Town of Glocester	6,158,909	-	6,158,909	39.46	243,031	-	243,031	-	3.3%	251,145	259,531	256,736
9	Town of Hopkinton	7,224,200	1,296,418	5,927,782	20.07	118,971	-	118,971	-	3.3%	122,943	127,048	125,680
10	Town of Jamestown	7,094,141	-	7,094,141	8.66	61,435	-	61,435	-	3.3%	63,487	65,606	64,900
11	Town of Johnston	87,358,420	51,745,388	35,613,032	59.71	2,126,454	-	2,126,454	-	3.3%	2,197,457	2,270,831	2,246,373
12	Town of Lincoln	16,538,115	5,303,313	11,234,802	34.39	386,365	-	386,365	-	3.3%	399,266	412,597	408,153
13	Town of Little Compton	2,750,261	-	2,750,261	11.68	32,123	-	32,123	-	3.3%	33,196	34,304	33,935
14	Town of Middletown	9,401,897	11	9,401,886	15.42	144,977	-	144,977	-	3.3%	149,818	154,820	153,153
15	Town of Narragansett	20,098,513	12,545,688	7,552,825	15.84	119,637	-	119,637	-	3.3%	123,631	127,760	126,384
16	Town of New Shoreham	9,929,665	9,929,665	-	5.86	-	-	-	-	3.3%	-	-	-
17	Town of North Kingstown	35,573,920	7,300,250	28,273,670	18.59	525,608	-	525,608	-	3.3%	543,158	561,294	555,249
18	Town of North Providence	7,600,411	853,272	6,747,139	68.11	459,548	-	459,548	-	3.3%	474,892	490,749	485,463
19	Town of North Smithfield	132,207,210	120,064,959	12,142,251	41.95	509,380	-	509,380	-	3.3%	526,388	543,964	538,105
20	Town of Portsmouth	11,990,388	2,005,830	9,984,558	15.42	153,962	-	153,962	-	3.3%	159,103	164,415	162,644
21	Town of Richmond	4,630,320	17,175	4,613,145	20.80	95,953	-	95,953	-	3.3%	99,157	102,468	101,365
22	Town of Scituate	9,110,940	545	9,110,395	40.04	364,798	-	364,798	-	3.3%	376,979	389,567	385,371
23	Town of Smithfield	59,426,840	35,596,545	23,830,295	60.74	1,447,452	-	1,447,452	-	3.3%	1,495,783	1,545,728	1,529,080
24	Town of South Kingstown	21,902,869	5,227,844	16,675,025	15.31	255,295	-	255,295	-	3.3%	263,819	272,628	269,692
25	Town of Tiverton	7,881,843	1,496,309	6,385,534	19.05	121,644	-	121,644	-	3.3%	125,706	129,904	128,504
26	Town of Warren	6,699,409	785,592	5,913,817	18.81	111,239	-	111,239	-	3.3%	114,953	118,792	117,512
27	Town of West Greenwich	6,201,405	14,130	6,187,275	33.85	209,439	-	209,439	-	3.3%	216,433	223,659	221,250
28	Town of West Warwick	24,718,480	12,882,400	11,836,080	41.78	494,511	-	494,511	-	3.3%	511,023	528,087	522,399
29	Town of Westerly	16,504,078	108,419	16,395,659	11.59	190,026	6,763	196,789	-	3.3%	203,359	210,149	207,886
30	Union Fire District	21,903,869	5,227,844	16,675,025	0.86	14,341	-	14,341	-	3.3%	14,819	15,314	15,149
31	West Glocester Fire District	2,053,781	-	2,053,781	1.65	3,389	-	3,389	-	3.3%	3,502	3,619	3,580
32	Western Coventry Fire District	2,429,540	1,666	2,427,874	1.62	3,933	-	3,933	-	3.3%	4,064	4,200	4,155
33													
34	Total for All Towns	\$ 686,344,656	\$ 351,548,065	\$ 334,796,591		\$ 9,860,673	\$ 6,763	\$ 9,867,436	\$ -	\$ 9,867,436	\$ 10,196,914	\$ 10,537,393	\$ 10,423,900

Column Notes
(k) Page 7, Column 6(c)

The Narragansett Electric Company d/b/a National Grid
 Municipal Taxes - Electric - Real Property
 For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
 Pro Forma Test Year

Town	Total Assessment as of 12/31/16	IFA Related Assessment as of 12/31/2016	Net Distribution Assessment as of 12/31/16	2017 Actual Mill Rate	Distribution municipal Taxes Pro Forma Tax Year 2017	Distribution Water/Sewer Tax Year 2017	Total Distribution Municipal Taxes Pro Forma Tax Year 2017	Distribution Rebills to Third Parties Pro Forma Tax Year 2017	Net Distribution Municipal Taxes Pro Forma Tax Year 2017	Three Year Average Percentage Increase in Distribution Property Taxes	Distribution Municipal Tax Expense Pro Forma Tax Year 2018	Distribution Municipal Tax Expense Pro Forma Tax Year 2019	Total Distribution Municipal Taxes Pro Forma RY
(a)	(b)	(c)	(b) - (c) = (d)	(e)	(d) * (e) = (f)	(g)	(f) + (g) = (h)	(i)	(h) - (i) = (j)	(k)	(j) * (1+(k)) = (l)	(l) * (1+(k)) = (m)	(l) / (12*4) + (m) / (12*9) = (n)
1	Albion Fire District	\$ 4,178,200	\$ 1,339,832	\$ 2,838,368	1.78	\$ 5,052	\$ -	\$ 5,052	\$ -	3.3%	\$ 5,221	\$ 5,395	\$ 5,337.21
2	Albion Fire District - minimum	4,800	1,539	3,261	1.78	30	-	30	-	3.3%	31	32	31.69
3	Ashaway Fire District	1,034,300	185,610	848,690	1.31	1,112	-	1,112	-	3.3%	1,149	1,187	1,174
4	Bradford Fire District	10,300	68	10,232	0.79	8	-	8	-	3.3%	8	9	9
5	Central Coventry Fire District	1,345,200	922	1,344,278	3.08	4,140	-	4,140	-	3.3%	4,279	4,421	4,374
6	Charlestown Fire District	224,700	47,944	176,756	0.57	100	-	100	-	3.3%	103	107	106
7	Chepachet Fire District	2,033,000	-	2,033,000	0.97	1,962	-	1,962	-	3.3%	2,027	2,095	2,072
8	City of Central Falls	194,100	-	194,100	39.67	7,700	-	7,700	-	3.3%	7,700	8,223	8,134
9	City of Cranston - Commercial/Industrial	25,938,800	9,955,503	15,983,297	34.41	549,985	-	549,985	-	3.3%	568,349	587,327	581,001
10	City of Cranston - Residential	229,900	88,237	141,663	22.94	3,250	-	3,250	-	3.3%	3,358	3,470	3,433
11	City of East Providence	1,618,700	114,531	1,504,169	24.76	37,243	-	37,243	-	3.3%	38,487	39,772	39,344
12	City of Newport - Commercial	4,163,400	-	4,163,400	15.55	64,741	-	64,741	-	3.3%	66,903	69,136	68,392
13	City of Newport - Residential	75,200	-	75,200	11.21	843	-	843	-	3.3%	871	900	891
14	City of Pawtucket	9,571,053	2,273,692	7,297,361	34.88	254,532	-	254,532	-	3.3%	263,031	271,814	268,886
15	City of Providence - Commercial	29,411,972	3,776,258	25,635,714	36.70	940,831	-	940,831	39,869	3.3%	900,962	931,045	951,770
16	City of Providence - Residential	24,700	3,171	21,529	31.96	688	-	688	-	3.3%	711	735	727
17	City of Warwick - Commercial/Industrial	14,485,800	9,403,104	5,082,696	30.36	154,311	-	154,311	-	3.3%	159,463	164,788	163,013
18	City of Warwick - Residential	18,600	12,074	6,526	20.24	132	-	132	-	3.3%	137	141	140
19	City of Woonsocket	2,707,000	1,107,048	1,599,952	36.93	59,086	-	59,086	-	3.3%	61,059	63,098	62,418
20	Coventry Fire District	141,100	97	141,003	3.24	457	-	457	-	3.3%	472	488	483
21	Cumberland Fire District	1,088,200	252,764	835,436	1.92	1,603	-	1,603	-	3.3%	1,657	1,712	1,694
22	Dunns Corner Fire District	97,200	639	96,561	0.45	43	-	43	-	3.3%	45	46	45.90
23	Exeter Fire District	368,100	58,458	309,642	1.77	548	-	548	-	3.3%	566	585	579
24	Harrisville Fire District	924,400	849,825	74,575	2.53	189	-	189	-	3.3%	195	201	199
25	Hope Valley/Wyonna Fire District	42,000	7,537	34,463	1.12	39	-	39	-	3.3%	40	41	41
26	Lime Rock Fire District	1,379,200	442,271	936,929	2.20	2,061	-	2,061	-	3.3%	2,130	2,201	2,177
27	Lime Rock Fire District - minimum	5,700	1,828	3,872	2.20	15	-	15	-	3.3%	16	16	16
28	Lonsdale Fire District	67,300	21,581	45,719	1.90	87	-	87	-	3.3%	90	93	92
29	Manville Fire District	36,400	11,672	24,728	1.47	36	-	36	-	3.3%	38	39	38
30	Nasonville Fire District	777,600	714,868	62,732	1.63	102	-	102	-	3.3%	106	109	108
31	Nasonville Fire District - minimum	5,800	3,493	2,307	1.63	20	-	20	-	3.3%	21	21	21
32	North Tiverton Fire District	1,689,400	320,720	1,368,680	0.98	1,341	-	1,341	-	3.3%	1,386	1,432	1,417
33	Oakland-Mapleville Fire District	51,900	47,713	4,187	1.95	8	-	8	-	3.3%	8	9	9
34	Pascoag Fire District	2,478,800	2,278,826	199,974	2.03	406	-	406	-	3.3%	420	434	429
35	Pascoag Fire District - minimum	2,500	2,298	202	2.03	40	-	40	-	3.3%	41	43	42
36	Portsmouth Water and Fire District	1,061,700	177,608	884,092	0.22	195	-	195	-	3.3%	201	208	205
37	Portsmouth Water and Fire District - minimum	15,700	2,626	13,074	0.22	8	-	8	-	3.3%	8	9	8
38	Quinnville Fire District	24,000	22,064	1,936	1.48	3	-	3	-	3.3%	3	3	3
39													
40	Total for All Towns	\$ 107,524,725	\$ 33,526,433	\$ 73,998,302		\$ 2,092,947	\$ -	\$ 2,092,947	\$ 39,869		\$ 2,121,631	\$ 2,192,474	\$ 2,168,860

Column Notes
 Page 7, Column 6(e)

The Narragansett Electric Company d/b/a National Grid
 For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
 Pro Forma Test Year

Town	Total Assessment as of	IFA Related Assessment	Net Distribution	2017 Actual	Distribution	Distribution	Total Distribution	Distribution	Net Distribution	Three Year Average	Distribution Municipal	Distribution Municipal	Total Distribution	
	12/31/16	as of 12/31/2016	Assessment as of 12/31/16	Mill Rate	Pro Forma Tax Year 2017	Water/Sewer Tax Year 2017	Pro Forma Tax Year 2017	Rebills to Third Parties Pro Forma Tax Year 2017	Pro Forma Tax Year 2017	Percentage Increase in Distribution Municipal Taxes	Tax Expense Pro Forma Tax Year 2018	Tax Expense Pro Forma Tax Year 2019	Pro Forma RY	
(a)	(b)	(c)	(b) - (c) = (d)	(e)	(d) * (e) = (f)	(g)	(f) + (g) = (h)	(i)	(h) - (i) = (j)	(k)	(i) * (1+(k)) = (l)	(l) * (1+(k)) = (m)	((l)/12)+(m)/12*(8) = (n)	
1	Savileville Fire District	621,700	199,362	422,338	1.98	836	-	836	-	836	3.3%	864	893	883
2	Savileville Fire District - minimum	800	257	543	1.98	20	-	20	-	20	3.3%	21	21	21
3	Stone Bridge Fire District	110,200	20,921	89,279	0.50	45	-	45	-	45	3.3%	46	48	47
4	Town of Barrington	344,500	-	344,500	20.00	6,890	-	6,890	-	6,890	3.3%	7,120	7,358	7,279
5	Town of Bristol	1,376,800	21,541	1,355,259	14.92	20,220	-	20,220	-	20,220	3.3%	20,896	21,593	21,361
6	Town of Burhillville - minimum	4,238,100	3,896,196	341,904	17.56	6,004	-	6,004	-	6,004	3.3%	6,204	6,411	6,342
7	Town of Burhillville - minimum	900	827	73	17.39	30	-	30	-	30	3.3%	31	32	32
8	Town of Charlestown	224,700	47,944	176,756	9.59	1,695	-	1,695	-	1,695	3.3%	1,752	1,810	1,791
9	Town of Coventry	3,087,500	2,117	3,085,383	25.29	78,014	-	78,014	-	78,014	3.3%	80,619	83,311	82,413
10	Town of Cumberland	1,088,200	382,764	835,436	15.21	12,707	-	12,707	-	12,707	3.3%	13,131	13,570	13,424
11	Town of East Greenwich	6,064,600	2,363,926	3,700,674	23.66	87,558	-	87,558	-	87,558	3.3%	90,482	93,503	92,496
12	Town of Exeter	568,100	58,458	509,642	16.23	5,025	-	5,025	-	5,025	3.3%	5,193	5,367	5,309
13	Town of Exeter	3,289,000	-	3,289,000	23.25	76,469	-	76,469	-	76,469	3.3%	79,023	81,661	80,782
14	Town of Gloucester	2,907,700	-	2,907,700	23.67	68,825	-	68,825	-	68,825	3.3%	71,123	73,498	72,707
15	Town of Hopkinton	1,076,300	193,147	883,153	20.07	17,725	-	17,725	-	17,725	3.3%	18,317	18,928	18,724
16	Town of Jamestown	750,600	-	750,600	8.66	6,500	142	6,643	-	6,643	3.3%	6,864	7,094	7,017
17	Town of Johnston	3,689,562	2,138,067	1,471,495	27.49	40,451	-	40,451	-	40,451	3.3%	41,802	43,198	42,733
18	Town of Lincoln	6,385,100	2,047,524	4,337,576	26.72	115,900	-	115,900	-	115,900	3.3%	119,770	123,769	122,436
19	Town of Lincoln - minimum	500	96	404	26.35	10	-	10	-	10	3.3%	10	11	11
20	Town of Middletown - Commercial	4,186,700	5	4,186,695	20.44	85,576	1,697	87,273	-	87,273	3.3%	90,187	93,199	92,195
21	Town of Middletown - Residential	350,700	0	350,700	15.42	5,408	-	5,408	-	5,408	3.3%	5,588	5,775	5,713
22	Town of Narragansett	253,700	158,362	95,338	15.84	1,510	-	1,510	-	1,510	3.3%	1,561	1,613	1,595
23	Town of North Kingstown	7,682,200	1,576,491	6,105,709	18.59	113,505	-	113,505	-	113,505	3.3%	117,295	121,212	119,906
24	Town of North Providence	1,812,200	203,449	1,608,751	26.14	42,053	-	42,053	-	42,053	3.3%	43,457	44,908	44,244
25	Town of North Smithfield	14,416,400	13,092,361	1,324,039	18.66	24,704	-	24,704	-	24,704	3.3%	25,529	26,381	26,097
26	Town of Portsmouth	1,035,300	173,192	862,108	15.42	13,294	-	13,294	-	13,294	3.3%	13,738	14,196	14,043
27	Town of Scituate	495,900	30	495,870	22.59	11,202	-	11,202	-	11,202	3.3%	11,576	11,962	11,833
28	Town of Smithfield	1,273,300	762,704	510,596	18.40	9,395	-	9,395	-	9,395	3.3%	9,709	10,033	9,925
29	Town of South Kingstown	1,180,900	281,861	899,039	15.31	13,764	-	13,764	-	13,764	3.3%	14,224	14,699	14,541
30	Town of Tiverton	1,989,500	377,692	1,611,808	19.05	30,705	-	30,705	-	30,705	3.3%	31,730	32,790	32,437
31	Town of Warren	3,227,600	378,478	2,849,122	18.81	53,592	-	53,592	-	53,592	3.3%	55,381	57,231	56,614
32	Town of West Greenwich	1,053,200	7,400	1,050,800	22.55	23,698	-	23,698	-	23,698	3.3%	24,489	25,307	25,034
33	Town of West Warwick	1,036,200	540,031	496,169	32.12	15,937	-	15,937	-	15,937	3.3%	16,469	17,019	16,836
34	Town of Westerly	2,221,300	14,592	2,206,708	11.59	25,576	560	26,135	-	26,135	3.3%	27,008	27,910	27,609
35	Union Fire District	1,180,900	281,861	899,039	0.86	773	-	773	-	773	3.3%	799	826	817
36	West Gloucester Fire District	985,230	-	985,230	1.65	1,626	-	1,626	-	1,626	3.3%	1,680	1,736	1,717
37	Westerly Fire District	2,111,700	13,872	2,097,828	0.65	1,364	-	1,364	-	1,364	3.3%	1,409	1,456	1,440
38	Westerly Fire District - minimum	2,100	14	2,086	0.65	3	-	3	-	3	3.3%	3	3	3
39	Western Coventry Fire District	1,596,300	1,094	1,595,206	1.62	2,584	-	2,584	-	2,584	3.3%	2,671	2,760	2,730
40														
41	Total for All Towns	\$ 83,636,092	\$ 29,101,635	\$ 54,534,457		\$ 1,021,193	\$ 2,399	\$ 1,023,592	\$ -	\$ 1,023,592		\$ 1,057,770	\$ 1,093,090	\$ 1,081,317
42														
43	Grand Total	\$ 1,565,547,223	\$ 654,292,303	\$ 911,254,920		\$ 28,931,155	\$ 9,162	\$ 28,940,317	\$ 39,869	\$ 28,980,448		\$ 29,865,445	\$ 30,862,664	\$ 30,530,258
44														
45	Composite Mill Rate for Year													31.76

Column Notes
 (k) Page 7, Column 6(e)
 Line Notes
 45(e) Line 45(h)/Line 45(d)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric
For the Test Year Ended June 30, 2017
Growth Rate

Line		12 Months Ended	Total	IFA Related	Adjusted	Percentage
		6/30/2017	Property Taxes	Expenses	Municipal Taxes	Inc/(Dec)
1	Three Year Average Municipal Tax Expense Growth Rate:	(a)	(b)	(c)	(b) - (c) = (d)	(e)
2		2017	\$ 49,149,953	\$ 18,373,163	\$ 30,776,790	-2.7%
3		2016	\$ 47,654,474	\$ 16,025,070	\$ 31,629,404	-6.0%
4		2015	\$ 49,682,964	\$ 16,041,524	\$ 33,641,441	18.7%
5		2014	\$ 37,420,246	\$ 9,077,147	\$ 28,343,100	
6	Three Year Average Percentage Increase in Property Taxes					3.3%

Column Notes

(b)-(d) Per Company Books

Line Notes

- 2(e) (Col (d) Line 2 - Col (d) Line 3) / Col (d) Line 3
- 3(e) (Col (d) Line 3 - Col (d) Line 4) / Col (d) Line 4
- 4(e) (Col (d) Line 4 - Col (d) Line 5) / Col (d) Line 5
- 6(e) (Sum of Lines 2(e),3(e) and 4(e))/3

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric
For the Test Year Ended June 30, 2017
Normalizing Adjustments

<u>Line</u>	<u>Items for Removal</u> (a)	<u>Total</u> (b)	<u>Transmission</u> (c)	<u>Distribution</u> (b)-(c)=(d)	<u>6 Months Amortization</u> <u>Applicable to</u> <u>Test Year ended</u> <u>June 30, 2017</u> (d)/12*6=(e)
1	Add (Less) Correcting entry for assets associated with wrong parcels				
2	Tax Year 2017-2018				
3	Chepachet Fire District, Gas Parcels recorded in Electric Municipal Taxes	\$ (1,948)	\$ -	\$ (1,948)	\$ (974)
4	Town of Gloucester, Gas Parcels recorded in Electric Municipal Taxes	(145)	-	(145)	(\$73)
5	Town of Smithfield, Electric Parcels recorded in Gas Municipal Taxes	826	495	331	\$166
6	Tax Year 2016-2017				
7	Town of Cumberland, Electric Parcels recorded in Gas Municipal Taxes	6,101	1,417	4,684	2,342
8	Town of Smithfield, Electric Parcels recorded in Gas Municipal Taxes	826	495	331	166
9	North Tiverton FD, Gas Parcels recorded in Electric Municipal Taxes	(4)	(1)	(3)	(2)
10	Pascoag FD, Gas Parcels recorded in Electric Municipal Taxes	(266)	(244)	(21)	(11)
11					
12	Total for Normalizing Adjustment	<u>\$ 5,391</u>	<u>\$ 2,162</u>	<u>\$ 3,229</u>	<u>\$ 1,614</u>

Column Notes

(b)-(d) Per Company Books

Line Notes

12 Sum of Lines 3 to 10

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Electric
For the Test Year Ended June 30, 2017
Normalizing Adjustments

<u>Line</u>	<u>Items for Removal</u> (a)	<u>Total</u> (b)	<u>Transmission</u> (c)	<u>Distribution</u> (b)-(c)=(d)
1	Reduction for IFA	\$ (18,149,081)	\$ (18,149,081)	\$ -
2	Out of Period adjustment	(552,833)		(552,833)
3	Reduction for estimated Municipal Tax impact for BITS assets	(1,323,013)	(1,323,013)	-
4	Total for Normalizing Adjustment	\$ (20,024,927)	\$ (19,472,094)	\$ (552,833)

Line Notes

- 1 Workpaper MAL-1 Page 1 Line 15(a)
- 2 Per Company Books
- 3 Per Company Books
- 4 Sum of Line 1 - Line 3

Schedule MAL-7-GAS (REV-2)

Municipal Taxes – Gas

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes -Gas
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Test Year Ended June 30, 2017 (Per Books) (a)	Normalizing Adjustments to Test Year (b)	Test Year Ended June 30, 2017 (as Adjusted) (a) + (b) =(c)	Proforma Adjustments (d)	Rate Year Ending August 31, 2019 (e)
1 Narragansett Electric Company	\$22,542,352	(\$453,318)	\$22,089,035	\$4,780,420	\$26,869,455
2					
3 Total Municipal Taxes	<u>\$22,542,352</u>	<u>(\$453,318)</u>	<u>\$22,089,035</u>	<u>\$4,780,420</u>	<u>\$26,869,455</u>

Column Notes

- (a) Per Company Books
- (b) Page 7, Line 6(c)
- (d) Column (e) - Column (c)
- (e) Page 4, Line 26(j)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Gas
For the Rate Year 2 Ending August 31, 2020 and the Rate Year 3 Ending August 31, 2021

	Rate Year Ending April 30, 2019 (a)	Proforma to Rate Year (b)	Rate Year Ending April 30, 2020 (a) + (b) = (c)	Proforma to Rate Year (d)	Rate Year Ending April 30, 2021 (e)
1 Narragansett Electric Company	\$26,869,455	\$3,039,211	\$29,908,666	\$3,382,977	\$33,291,643
2					
3 Total Municipal Taxes	<u>\$26,869,455</u>	<u>\$3,039,211</u>	<u>\$29,908,666</u>	<u>\$3,382,977</u>	<u>\$33,291,643</u>

Column Notes

- (a) Page 1, Line 3(e)
- (b) Line 1(a) * Page 5, Line 6(c)
- (d) Line 1(c) * Page 5, Line 6(c)
- (e) Line 1 (c) + Line 1(d)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes Gas - Personal Property
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
Pro Forma Test Year

Town	Total Assessment as of 12/31/16	2017 Actual Mill Rate	Municipal Taxes Pro Forma Tax Year 2017	Water/Sewer Pro Forma Tax Year 2017	Total Municipal Taxes Pro Forma Tax Year 2017	Three Year Average Percentage Increase in Municipal Taxes	Municipal Tax Expense Pro Forma Tax Year 2018	Municipal Tax Expense Pro Forma Tax Year 2019	Total Municipal Taxes Pro Forma RY	
(a)	(b)	(c)	(b) * (c) = (d)	(e)	(d) + (e) = (f)	(g)	(f) * (1+(g)) = (h)	(h) * (1+(g)) = (i)	((h)/(12*4))+((i)/(12*8))= (j)	
1	Albion Fire District	\$ 1,657,806	3.00	\$ 4,973	\$ -	\$ 4,973	11.3%	\$ 5,536	\$ 6,162	\$ 5,953
2	Central Coventry Fire District	5,295,055	3.08	16,309	-	16,309	11.3%	18,153	20,207	19,522
3	Chepachet Fire District	2,052,968	0.97	1,981	-	1,981	11.3%	2,205	2,455	2,371
4	City of Central Falls	4,270,752	73.11	312,235	-	312,235	11.3%	347,552	386,863	373,759
5	City of Cranston	40,338,559	34.41	1,388,050	-	1,388,050	11.3%	1,545,053	1,719,814	1,661,560
6	City of East Providence	42,780,560	55.24	2,363,198	-	2,363,198	11.3%	2,630,500	2,928,037	2,828,858
7	City of Newport	30,426,936	15.55	473,139	-	473,139	11.3%	526,656	586,226	566,369
8	City of Pawtucket	10,166,600	52.09	529,578	-	529,578	11.3%	589,479	656,155	633,930
9	City of Providence	132,538,496	55.80	7,395,648	-	7,395,648	11.3%	8,232,172	9,163,315	8,852,934
10	City of Warwick	61,018,284	40.48	2,470,020	-	2,470,020	11.3%	2,749,405	3,060,391	2,956,729
11	City of Woonsocket	10,293,700	46.58	479,481	-	479,481	11.3%	533,715	594,083	573,960
12	Coventry Fire District	1,470,140	4.86	7,145	-	7,145	11.3%	7,953	8,853	8,553
13	Cumberland Fire District	28,869,013	1.92	55,400	-	55,400	11.3%	61,666	68,641	66,316
14	Exeter Fire District	5,913,220	1.77	10,466	-	10,466	11.3%	11,650	12,968	12,529
15	Hope Valley/Wyoming Fire District	19,790	1.12	22	-	22	11.3%	25	27	27
16	Hopkins Hill Fire District	1,134,654	3.38	3,829	-	3,829	11.3%	4,263	4,745	4,584
17	Lime Rock Fire District	3,394,556	2.20	7,468	-	7,468	11.3%	8,313	9,253	8,940
18	Lonsdale Fire District	868,375	3.15	2,735	-	2,735	11.3%	3,045	3,389	3,274
19	Manville Fire District	631,545	1.47	928	-	928	11.3%	1,033	1,150	1,111
20	North Tiverton Fire District	2,288,307	0.98	2,243	-	2,243	11.3%	2,496	2,779	2,684
21	Pascoag Fire District	3,377,691	2.03	6,857	-	6,857	11.3%	7,632	8,496	8,208
22	Quinnville Fire District	157,886	1.48	234	-	234	11.3%	260	290	280
23	Saylesville Fire District	7,894,316	3.15	24,867	-	24,867	11.3%	27,680	30,811	29,767
24	Stone Bridge Fire District	1,728,635	0.50	864	-	864	11.3%	962	1,071	1,035
25	Town of Barrington	20,375,383	20.00	407,508	-	407,508	11.3%	453,601	504,908	487,806
26	Town of Bristol	11,361,500	14.92	169,514	-	169,514	11.3%	188,687	210,030	202,916
27	Town of Burrillville	3,377,691	17.56	59,312	-	59,312	11.3%	66,021	73,489	71,000
28	Town of Coventry	7,942,580	25.29	200,828	-	200,828	11.3%	223,544	248,829	240,401
29	Town of Cumberland	28,869,013	29.53	852,502	-	852,502	11.3%	948,929	1,056,262	1,020,484
30	Town of East Greenwich	7,997,799	23.66	189,228	-	189,228	11.3%	210,632	234,456	226,515
31	Town of Exeter	5,913,220	16.23	95,972	-	95,972	11.3%	106,827	118,910	114,882
32	Town of Gloucester	2,434	39.46	96	-	96	11.3%	107	119	115
33	Town of Hopkinton	91,770	20.07	1,842	-	1,842	11.3%	2,050	2,282	2,205
34	Town of Johnston	12,723,070	59.71	759,695	-	759,695	11.3%	845,624	941,272	909,390
35	Town of Lincoln	7,894,316	34.39	271,486	-	271,486	11.3%	302,193	336,374	324,981
36	Town of Middletown	12,042,051	15.42	185,688	-	185,688	11.3%	206,692	230,071	222,278
37	Town of Narragansett	5,225,482	15.84	82,772	-	82,772	11.3%	92,134	102,555	99,081
38	Town of North Kingstown	19,714,010	18.59	366,483	-	366,483	11.3%	407,936	454,078	438,698
39	Town of North Providence	15,315,263	68.11	1,043,123	-	1,043,123	11.3%	1,161,110	1,292,444	1,248,666
40	Town of North Smithfield	1,044,140	41.95	43,803	-	43,803	11.3%	48,757	54,272	52,434
41	Town of Portsmouth	3,082,573	15.42	47,533	-	47,533	11.3%	52,910	58,894	56,900
42	Town of Richmond	39,580	20.80	823	-	823	11.3%	916	1,020	985
43	Town of Scituate	224,330	40.04	8,983	-	8,983	11.3%	9,999	11,130	10,753
44	Town of Smithfield	6,011,280	60.74	365,125	-	365,125	11.3%	406,425	452,395	437,072
45	Town of South Kingstown	4,430,050	15.31	67,824	-	67,824	11.3%	75,496	84,035	81,189
46	Town of Tiverton	4,576,615	19.05	87,185	-	87,185	11.3%	97,046	108,023	104,364
47	Town of Warren	6,102,739	18.81	114,793	-	114,793	11.3%	127,777	142,230	137,412
48	Town of West Greenwich	229,623	33.85	7,773	-	7,773	11.3%	8,652	9,631	9,304
49	Town of West Warwick	8,935,260	41.78	373,315	-	373,315	11.3%	415,541	462,543	446,876
50	Town of Westerly	16,292,723	11.59	188,833	6,680	195,513	11.3%	217,627	242,243	234,038
51	Union Fire District	4,430,050	0.86	3,810	-	3,810	11.3%	4,241	4,720	4,561
52	Western Coventry Fire District	1,134,650	1.62	1,838	-	1,838	11.3%	2,046	2,277	2,200
53										
54	Total for All Towns	\$ 613,967,038		\$ 21,555,354	\$ 6,680	\$ 21,562,034		\$ 24,000,922	\$ 26,715,672	\$ 25,810,756

(g) Column Notes
Page 5, Column 6(c)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes Gas - Real Property
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019
Pro Forma Test Year

Town	Total Assessment as of 12/31/16	2017 Actual Mill Rate	Municipal Taxes Pro Forma Tax Year 2017	Water/Sewer Pro Forma Tax Year 2017	Total Municipal Taxes Pro Forma Tax Year 2017	Three Year Average Percentage Increase in Municipal Taxes	Municipal Tax Expense Pro Forma Tax Year 2018	Municipal Tax Expense Pro Forma Tax Year 2019	Total Municipal Taxes Pro Forma RY	
(a)	(b)	(c)	(b) * (c) = (d)	(e)	(d) + (e) = (f)	(g)	(f) * (1+(g)) = (h)	(h) * (1+(g)) = (i)	((h)/12*4)+(i)/12*8 = (j)	
1	Bradford Fire District	\$ 1,400	0.79	\$ 1	-	\$ 1	11.3%	\$ 1	\$ 1	1
2	City of East Providence	667,800	24.76	16,535	-	16,535	11.3%	18,405	20,487	19,793
3	City of Pawtucket	1,186,700	34.88	41,392	-	41,392	11.3%	46,074	51,285	49,548
4	City of Providence	17,113,300	36.70	628,058	-	628,058	11.3%	699,098	778,173	751,815
5	City of Woonsocket	167,000	36.93	6,167	-	6,167	11.3%	6,865	7,641	7,383
6	Cumberland Fire District	8,113,300	1.92	15,569	-	15,569	11.3%	17,330	19,291	18,637
7	Exeter Fire District	706,000	1.77	1,250	-	1,250	11.3%	1,391	1,548	1,496
8	Manville Fire District - minimum	2,600	1.47	30	-	30	11.3%	33	37	36
9	North Tiverton Fire District	4,100	0.98	4	-	4	11.3%	4	5	5
10	Pascoag Fire District	767,000	2.03	1,557	-	1,557	11.3%	1,733	1,929	1,864
11	Portsmouth Water and Fire District	177,400	0.22	39	-	39	11.3%	43	48	47
12	Town of Burrillville	767,000	17.56	13,469	-	13,469	11.3%	14,992	16,688	16,122
13	Town of Cumberland	8,113,300	15.21	123,403	-	123,403	11.3%	137,361	152,898	147,719
14	Town of Exeter	706,000	16.23	11,458	-	11,458	11.3%	12,754	14,197	13,716
15	Town of Lincoln	2,600	26.72	69	-	69	11.3%	77	86	83
16	Town of Middletown	106,900	20.44	2,185	-	2,185	11.3%	2,432	2,707	2,616
17	Town of Portsmouth	177,400	15.42	2,736	-	2,736	11.3%	3,045	3,389	3,275
18	Town of Smithfield	224,100	18.40	4,123	-	4,123	11.3%	4,590	5,109	4,936
19	Town of Tiverton	7,800	19.05	149	-	149	11.3%	165	184	178
20	Town of Warren	666,300	18.81	12,533	-	12,533	11.3%	13,951	15,529	15,003
21	Town of Westerly	291,200	11.59	3,375	135	3,510	11.3%	3,907	4,349	4,202
22	Westerly Fire District	289,800	0.65	188	-	188	11.3%	210	233	225
23										
24	Total for All Towns	\$ 40,259,000		\$ 884,291	\$ 135	\$ 884,426		\$ 984,464	\$ 1,095,817	\$ 1,058,699
25										
26	Grand Total	\$ 654,226,038	-	\$ 22,439,645	\$ 6,815	\$ 22,446,460		\$ 24,985,386	\$ 27,811,489	\$ 26,869,455
27										
28	Composite Mill Rate for Year		34.31							

Column Notes

(g) Page 5, Column 6(c)

Line Notes

28(c) Line 26(f) / Line 26(b)

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Gas
For the Test Year Ended June 30, 2017
Growth Rate

Line	Three Year Average Municipal Tax Expense Growth Rate:	12 Months Ended	Municipal	Percentage
		June 30, 2017	Taxes	Inc/(Dec)
		(a)	(b)	(c)
1				
2		2017	\$ 22,091,730	7.7%
3		2016	20,515,689	23.8%
4		2015	16,566,064	2.4%
5		2014	16,176,329	
6	Three Year Average Percentage Increase in Municipal Taxes			11.3%

Line Notes

- 2(b) Per Company Books
- 3(b) Per Company Books
- 4(b) Per Company Books
- 5(b) Per Company Books
- 2(c) (Col (b) Line 2 - Col (b) Line 3) / Col (b) Line 3
- 3(c) (Col (b) Line 3 - Col (b) Line 4) / Col (b) Line 4
- 4(c) (Col (b) Line 4 - Col (b) Line 5) / Col (b) Line 5
- 6(c) (Sum of Lines 2(c),3(c) and 4(c))/3

The Narragansett Electric Company d/b/a National Grid
Municipal Taxes - Gas
For the Test Year Ended June 30, 2017
Normalizing Adjustments

Line	Items for Removal (a)	Amount (b)	6 Months Amortization Applicable to Test Year ended June 30, 2017 (b)/12*6= (c)
1	Correcting entry for assets associated with wrong parcels for prior year	(\$450,622)	(\$450,622)
2	Tax Year 2017-2018		
3	Chepachet Fire District, Gas Parcels recorded in Electric Municipal Taxes	\$ 1,948	\$ 974
4	Town of Gloucester, Gas Parcels recorded in Electric Municipal Taxes	145	73
5	Town of Smithfield, Electric Parcels recorded in Gas Municipal Taxes	(826)	(413)
6	Tax Year 2016-2017		
7	Town of Cumberland, Electric Parcels recorded in Gas Municipal Taxes	(6,101)	(3,050)
8	Town of Smithfield, Electric Parcels recorded in Gas Municipal Taxes	(826)	(413)
9	North Tiverton FD, Gas Parcels recorded in Electric Municipal Taxes	4	2
10	Pascoag FD, Gas Parcels recorded in Electric Municipal Taxes	266	133
11			
12	Total for Normalizing Adjustment	\$ (456,013)	\$ (453,318)

Column Notes

(b) Per Company Books

Line Notes

12 Sum of Lines 3 to 10

Schedule MAL-8 (REV-2)

Payroll Taxes

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

	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	\$1,080,722	\$4,242,306	(\$3,161,584)	(\$89,881)	(\$3,853,710)	\$3,763,829	\$990,842	\$388,597	\$602,245
2 National Grid USA Service Company	\$5,646,749	\$3,816,827	\$1,829,922	(\$546,286)	(\$546,286)	\$0	\$5,100,463	\$3,270,541	\$1,829,922
3 All Other Companies	\$127,000	\$89,579	\$37,420	(\$20,058)	(\$20,058)	\$0	\$106,941	\$69,521	\$37,420
4 Total	\$6,854,470	\$8,148,712	(\$1,294,241)	(\$656,224)	(\$4,420,053)	\$3,763,829	\$6,198,246	\$3,728,658	\$2,469,588
	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0

Column Notes

(b)-(c) Per Company Books

Line Notes

1(e)-(f) Sum of Page 5, Lines 2, 3, 6, and 7

2(e)-(f) Sum of Page 5, Lines 4, 8, and 10

3(e)-(f) Sum of Page 5, Lines 5, 9, and 11

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

		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	\$990,842	\$388,597	\$602,245	\$342,507	\$223,649	\$118,858	\$1,333,349	\$612,246	\$721,103
2	National Grid USA Service Company	\$5,100,463	\$3,270,541	\$1,829,922	\$336,003	\$232,905	\$103,098	\$5,436,466	\$3,503,446	\$1,933,020
3	All Other Companies	\$106,941	\$69,521	\$37,420	\$14,447	\$10,738	\$3,709	\$121,388	\$80,258	\$41,129
4	Total	\$6,198,246	\$3,728,658	\$2,469,588	\$692,956	\$467,292	\$225,665	\$6,891,203	\$4,195,950	\$2,695,253
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

(b)-(c) Page 1, Columns (h)-(i)
(e)-(f) Page 5, Lines 19(b) through 21(c)

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

	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	\$612,246	\$42,285	\$654,531	\$39,226	\$693,756
2	National Grid USA Service Company	\$3,503,446	\$44,208	\$3,547,654	\$41,085	\$3,588,739
3	All Other Companies	\$80,258	\$2,032	\$82,291	\$1,876	\$84,167
4	Total	<u>\$4,195,950</u>	<u>\$88,525</u>	<u>\$4,284,475</u>	<u>\$82,186</u>	<u>\$4,366,661</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Lines 29(b) through 31(b)
- (d) Page 5, Lines 38(b) through 40(b)

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

	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	\$721,103	\$30,039	\$751,142	\$25,088	\$776,230
2 National Grid USA Service Company	\$1,933,020	\$26,019	\$1,959,040	\$21,807	\$1,980,847
3 All Other Companies	\$41,129	\$933	\$42,062	\$778	\$42,840
4 Total	\$2,695,253	\$56,992	\$2,752,244	\$47,673	\$2,799,917
	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (i)
- (b) Page 5, Lines 29(c) through 31(c)
- (d) Page 5, Lines 38(c) through 40(c)

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

Explanation of Adjustments:		Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1	Page 1	<u>Adjustments: (to normalize Historic Year):</u>				
2		Out of period FUTA segment reclass	\$0	(\$3,763,829)	\$3,763,829	
3		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	(\$579,499)	(\$579,499)	\$0
4		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	(\$521,379)	(\$521,379)	\$0
5		(IFA) Integrated Facilities Agreement	All Other Companies	(\$12,237)	(\$12,237)	\$0
6		Less IFA related to out of period FUTA segment reclass	Narragansett Electric Company	\$514,139	\$514,139	\$0
7		Inspection & Maintenance	Narragansett Electric Company	(\$24,521)	(\$24,521)	\$0
8		Inspection & Maintenance	National Grid USA Service Company	(\$213)	(\$213)	\$0
9		Inspection & Maintenance	All Other Companies	(\$4,268)	(\$4,268)	\$0
10		Major Storm Normalization	National Grid USA Service Company	(\$24,694)	(\$24,694)	\$0
11		Major Storm Normalization	All Other Companies	(\$3,554)	(\$3,554)	\$0
12						
13		TOTAL	(\$656,224)	(\$4,420,053)	\$3,763,829	
14						
15						
16	Page 2	<u>Adjustments: (to reflect conditions in the Rate Year 8/30/19)</u>				
17		To increase costs for:				
18						
19		Recalculated Payroll Tax Expense Adjustment	Narragansett Electric Company	\$342,507	\$223,649	\$118,858
20			National Grid USA Service Company	\$336,003	\$232,905	\$103,098
21			All Other Companies	\$14,447	\$10,738	\$3,709
22						
23		TOTAL	\$692,956	\$467,292	\$225,665	
24						
25						
26	Page 3 and 4	<u>Adjustments: (to reflect conditions in the Data Year 8/30/20)</u>				
27		To increase costs for:				
28						
29		Recalculated Payroll Tax Expense Adjustment	Narragansett Electric Company	\$72,324	\$42,285	\$30,039
30			National Grid USA Service Company	\$70,227	\$44,208	\$26,019
31			All Other Companies	\$2,965	\$2,032	\$933
32						
33		TOTAL	\$145,516	\$88,525	\$56,992	
34						
35	Page 3 and 4	<u>Adjustments: (to reflect conditions in the Data Year 8/30/21)</u>				
36		To increase costs for:				
37						
38		Recalculated Payroll Tax Expense Adjustment	Narragansett Electric Company	\$64,314	\$39,226	\$25,088
39			National Grid USA Service Company	\$62,892	\$41,085	\$21,807
40			All Other Companies	\$2,654	\$1,876	\$778
41						
42		TOTAL	\$129,859	\$82,186	\$47,673	

Line Notes

- 19(b) Page 6, Line 25(a)
- 19(c) Page 6, Line 25(b)
- 20(b) Page 6, Line 25(c)
- 20(c) Page 6, Line 25(d)
- 21(b) Page 6, Line 25(e)
- 21(c) Page 6, Line 25(f)
- 29(b) Page 6, Line 52(a)
- 29(c) Page 6, Line 52(b)
- 30(b) Page 6, Line 52(c)
- 30(c) Page 6, Line 52(d)
- 31(b) Page 6, Line 52(e)
- 31(c) Page 6, Line 52(f)
- 38(b) Page 6, Line 79(a)
- 38(c) Page 6, Line 79(b)
- 39(b) Page 6, Line 79(c)
- 39(c) Page 6, Line 79(d)
- 40(b) Page 6, Line 79(e)
- 40(c) Page 6, Line 79(f)

The Narragansett Electric Company d/b/a National Grid
Payroll Taxes
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Description	Total	Electric	Gas
	(a) = (b) + (c)	(b)	(c)
1 Test Year Payroll Tax Expense	\$6,854,470	\$8,148,712	(\$1,294,241)
2 Out of period FUTA segment reclass	\$0	(\$3,763,829)	\$3,763,829
3 Inspection & Maintenance	(\$29,002)	(\$29,002)	\$0
4 (IFA) Integrated Facilities Agreement	(\$1,113,114)	(\$1,113,114)	\$0
5 Less IFA related to out of period FUTA segment reclass	\$514,139	\$514,139	\$0
6 Major Storm Normalizing Adjustment	(\$28,247)	(\$28,247)	\$0
7 Adjusted Test Year Payroll Tax Expense	\$6,198,246	\$3,728,658	\$2,469,588
8 Rate Year O&M Salaries and Wages - Percentage Change		15.98%	12.16%
9 Payroll Tax Expense Adjustment	\$896,141	\$595,840	\$300,302
10 Adjustment for SS-FICA, FUTA, SUTA, and EMAC salary caps	(\$203,185)	(\$128,548)	(\$74,637)
11 Recalculated Payroll Tax Expense Adjustment	\$692,956	\$467,292	\$225,665
12 Rate Year Expense	\$6,891,203	\$4,195,950	\$2,695,253

Description	Narragansett Electric Company - Electric	Narragansett Electric Company - Gas	National Grid Service Company - Electric	National Grid Service Company - Gas	Other Affiliates - Electric	Other Affiliates - Gas	Total Electric	Total Gas	Percentage Increase / (Decrease) Electric	Percentage Increase / (Decrease) Gas
	15									
16 Source	Schedule MAL-12 (Rev-2), Page 6	Schedule MAL-12 (Rev-2), Page 7	Schedule MAL-12 (Rev-2), Page 8	Schedule MAL-12 (Rev-2), Page 9	Schedule MAL-12 (Rev-2), Page 10	Schedule MAL-12 (Rev-2), Page 11	(g) = (a) + (c) + (e)	(h) = (b) + (d) + (f)	(i)	(j)
17	(a)	(b)	(c)	(d)	(e)	(f)				
18 Test Year O&M Wages	\$20,578,183	\$15,941,586	\$22,931,813	\$13,758,493	\$1,124,084	\$517,576	\$44,634,080	\$30,217,656		
19 Rate Year O&M Wages	\$24,775,840	\$17,851,262	\$25,801,132	\$15,484,316	\$1,189,520	\$557,026	\$51,766,493	\$33,892,603		
20 Difference	\$4,197,657	\$1,909,675	\$2,869,320	\$1,725,823	\$65,436	\$39,450	\$7,132,412	\$3,674,947	15.98%	12.16%
21										
22 Allocation of Payroll Tax Expense	\$2,008,214	\$1,419,592	\$2,091,319	\$1,231,364	\$96,417	\$44,297	\$4,195,950	\$2,695,253		
23										
24 Rate Year Expense	\$1,784,564	\$1,300,734	\$1,858,415	\$1,128,266	\$85,679	\$40,588	\$3,728,658	\$2,469,588	\$6,198,246	
25 Recalculated Payroll Tax Expense Adjustment	\$223,649	\$118,858	\$232,905	\$103,098	\$10,738	\$3,709	\$467,292	\$225,665	\$692,956	

Description	Total	Electric	Gas
	(a) = (b) + (c)	(b)	(c)
34 Rate Year Expense	\$6,891,203	\$4,195,950	\$2,695,253
35 Data Year 2020 O&M Salaries and Wages - Percentage Change		2.89%	3.21%
36 Payroll Tax Expense Adjustment	\$207,781	\$121,263	\$86,518
37 Adjustment for SS-FICA, FUTA, SUTA, and EMAC salary caps	(\$62,264)	(\$32,738)	(\$29,526)
38 Recalculated Payroll Tax Expense Adjustment	\$145,516	\$88,525	\$56,992
39 Data Year 2020 Expense	\$7,036,719	\$4,284,475	\$2,752,244

Description	Narragansett Electric Company - Electric	Narragansett Electric Company - Gas	National Grid Service Company - Electric	National Grid Service Company - Gas	Other Affiliates - Electric	Other Affiliates - Gas	Total Electric	Total Gas	Percentage Increase / (Decrease) Electric	Percentage Increase / (Decrease) Gas
	42									
43 Source	Schedule MAL-12 (Rev-2), Page 6	Schedule MAL-12 (Rev-2), Page 7	Schedule MAL-12 (Rev-2), Page 8	Schedule MAL-12 (Rev-2), Page 9	Schedule MAL-12 (Rev-2), Page 10	Schedule MAL-12 (Rev-2), Page 11	(g) = (a) + (c) + (e)	(h) = (b) + (d) + (f)	(i)	(j)
44	(a)	(b)	(c)	(d)	(e)	(f)				
45 Data Year O&M Wages	\$24,775,840	\$17,851,262	\$25,801,132	\$15,484,316	\$1,189,520	\$557,026	\$51,766,493	\$33,892,603		
46 Data Year 2020 O&M Wages	\$25,442,186	\$18,437,073	\$26,599,308	\$15,969,798	\$1,222,762	\$572,610	\$53,264,256	\$34,979,482		
47 Difference	\$666,346	\$585,812	\$798,176	\$485,482	\$33,242	\$15,584	\$1,497,763	\$1,086,878	2.89%	3.21%
48										
49 Allocation of Payroll Tax Expense	\$2,046,521	\$1,450,660	\$2,139,597	\$1,256,530	\$98,357	\$45,054	\$4,284,475	\$2,752,244		
50										
51 Data Year 2020 Expense	\$2,004,236	\$1,420,621	\$2,095,390	\$1,230,511	\$96,324	\$44,121	\$4,195,950	\$2,695,253	\$6,891,203	
52 Recalculated Payroll Tax Expense Adjustment	\$42,285	\$30,039	\$44,208	\$26,019	\$2,032	\$933	\$88,525	\$56,992	\$145,516	

Description	Total	Electric	Gas
	(a) = (b) + (c)	(b)	(c)
61 Data Year 2020 Expense	\$7,036,719	\$4,284,475	\$2,752,244
62 Data Year 2021 O&M Salaries and Wages - Percentage Change		2.91%	2.68%
63 Payroll Tax Expense Adjustment	\$198,438	\$124,678	\$73,760
64 Adjustment for SS-FICA, FUTA, SUTA, and EMAC salary caps	(\$68,579)	(\$42,492)	(\$26,087)
65 Recalculated Payroll Tax Expense Adjustment	\$129,859	\$82,186	\$47,673
66 Data Year 2021 Expense	\$7,166,578	\$4,366,661	\$2,799,917

Description	Narragansett Electric Company - Electric	Narragansett Electric Company - Gas	National Grid Service Company - Electric	National Grid Service Company - Gas	Other Affiliates - Electric	Other Affiliates - Gas	Total Electric	Total Gas	Percentage Increase / (Decrease) Electric	Percentage Increase / (Decrease) Gas
	69									
70 Source	Schedule MAL-12 (Rev-2), Page 6	Schedule MAL-12 (Rev-2), Page 7	Schedule MAL-12 (Rev-2), Page 8	Schedule MAL-12 (Rev-2), Page 9	Schedule MAL-12 (Rev-2), Page 10	Schedule MAL-12 (Rev-2), Page 11	(g) = (a) + (c) + (e)	(h) = (b) + (d) + (f)	(i)	(j)
71	(a)	(b)	(c)	(d)	(e)	(f)				
72 Data Year 2020 O&M Wages	\$25,442,186	\$18,437,073	\$26,599,308	\$15,969,798	\$1,222,762	\$572,610	\$53,264,256	\$34,979,482		
73 Data Year 2021 O&M Wages	\$26,160,711	\$18,902,013	\$27,400,821	\$16,430,121	\$1,251,075	\$585,930	\$54,812,606	\$35,918,065		
74 Difference	\$718,525	\$464,940	\$801,513	\$460,323	\$28,312	\$13,320	\$1,548,350	\$938,583	2.91%	2.68%
75										
76 Allocation of Payroll Tax Expense	\$2,084,100	\$1,473,466.55	\$2,182,894	\$1,280,775	\$99,667	\$45,675	\$4,366,661	\$2,799,917		
77										
78 Data Year 2021 Expense	\$2,044,875	\$1,448,379	\$2,141,809	\$1,258,968	\$97,791	\$44,897	\$4,284,475	\$2,752,244	\$7,036,719	
79 Recalculated Payroll Tax Expense Adjustment	\$39,226	\$25,088	\$41,085	\$21,807	\$1,876	\$778	\$82,186	\$47,673	\$129,859	

The Narragansett Electric Company d/b/a National Grid
Payroll Taxes - Electric
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Description	Breakdown of Payroll Tax Expense			Percent of Rate Year Payroll Subject to Tax		Breakdown of Data Year 2020 Payroll Tax Expense Subject to Tax			Breakdown of Data Year 2021 Payroll Tax Expense Subject to Tax		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1 SS portion of FICA	76.26%	\$2,843,599	\$454,407	78.00%	\$354,438	\$92,479	70.96%	\$65,623	\$95,084	61.67%	\$58,638
2 Medicare portion of FICA	17.84%	\$665,035	\$106,273	100.00%	\$106,273	\$21,628	100.00%	\$21,628	\$22,237	100.00%	\$22,237
3 FICA	94.10%	\$3,508,634	\$560,680		\$460,710	\$114,107		\$87,251	\$117,321		\$80,875
4											
5 FUTA	0.63%	\$23,652	\$3,780	0.91%	\$34	\$769	-0.40%	(\$3)	\$791	-0.34%	(\$3)
6											
7 SUTA	3.89%	\$144,980	\$23,168	1.02%	\$236	\$4,715	-0.07%	(\$3)	\$4,848	-0.05%	(\$2)
8											
9 Oth Inc Tax-St Tax Ma	0.32%	\$12,020	\$1,921	0.98%	\$19	\$391	-0.16%	(\$1)	\$402	-0.13%	(\$1)
10 NY Metropolitan Commuter Tax	1.06%	\$39,373	\$6,292	100.00%	\$6,292	\$1,280	100.00%	\$1,280	\$1,317	100.00%	\$1,317
11 Other Payroll Taxes	0.00%	\$0	\$0	100.00%	\$0	\$0	100.00%	\$0	\$0	100.00%	\$0
12 Other	1.38%	\$51,393	\$8,213		\$6,311	\$1,671		\$1,280	\$1,718		\$1,316
13											
14 Total Payroll Tax Expense	100.00%	\$3,728,658	\$595,840		\$467,292	\$121,263		\$88,525	\$124,678		\$82,186

Column Notes:

- (a) Per Company books
- (b) Page 6, Line 7(b) x Column (a)
- (c) Page 6, Line 9(b) x Column (a)
- (d) Per Company books
- (e) Column (c) x Column (d)
- (f) Page 6, Line 36(b) x Column (a)
- (g) Per Company books
- (h) Column (f) x Column (g)
- (i) Page 6, Line 63(b) x Column (a)
- (j) Per Company books
- (k) Column (i) x Column (j)

- FICA = Federal Insurance Contributions Act.
- FUTA = Federal Unemployment Tax Act.
- SUTA = State Unemployment Tax Act

The Narragansett Electric Company d/b/a National Grid
Payroll Taxes - Gas
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Description	Payroll Tax Expense Breakdown	Test Year Payroll Tax Expense	Breakdown of Payroll Tax Expense Adjustment	Percent of Rate Year 2019 Payroll Subject to Tax Increase	Recalculated Rate Year 2019 Payroll Tax Expense Adjustment	Breakdown of Data Year 2020 Payroll Tax Expense Adjustment	Percent of Data Year 2020 Payroll Subject to Tax Increase	Recalculated Data Year 2020 Payroll Tax Expense Adjustment	Breakdown of Data Year 2021 Payroll Tax Expense Adjustment	Percent of Data Year 2021 Payroll Subject to Tax Increase	Recalculated Data Year 2021 Payroll Tax Expense Adjustment
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1 SS portion of FICA	77.01%	\$1,901,778	\$231,256	72.99%	\$168,794	\$66,625	61.00%	\$40,641	\$56,801	59.39%	\$33,734
2 Medicare portion of FICA	18.01%	\$444,771	\$54,084	100.00%	\$54,084	\$15,582	100.00%	\$15,582	\$13,284	100.00%	\$13,284
3 FICA	95.02%	\$2,346,549	\$285,340		\$222,878	\$82,207		\$56,223	\$70,085		\$47,018
4											
5 FUTA	0.58%	\$14,373	\$1,748	0.72%	\$13	\$504	-0.42%	(\$2)	\$429	-0.43%	(\$2)
6											
7 SUTA	3.23%	\$79,765	\$9,699	0.89%	\$86	\$2,794	-0.06%	(\$2)	\$2,382	-0.08%	(\$2)
8											
9 Other Income Taxes -State Tax MA	0.28%	\$6,853	\$833	0.84%	\$7	\$240	-0.15%	(\$0)	\$205	-0.17%	(\$0)
10 NY Metropolitan Commuter Tax	0.89%	\$22,048	\$2,681	100.00%	\$2,681	\$772	100.00%	\$772	\$659	100.00%	\$659
11 Other Payroll Taxes	0.00%	\$0	\$0	100.00%	\$0	\$0	100.00%	\$0	\$0	100.00%	\$0
12 Other	1.17%	\$28,901	\$3,514		\$2,688	\$1,013		\$772	\$863		\$658
13											
14 Total Payroll Tax Expense	100.00%	\$2,469,588	\$300,302		\$225,665	\$86,518		\$56,992	\$73,760		\$47,673

Column Notes:

- (a) Per Company books
- (b) Page 6, Line 7(c) x Column (a)
- (c) Page 6, Line 9(c) x Column (a)
- (d) Per Company books
- (e) Column (c) x Column (d)
- (f) Page 6, Line 36(c) x Column (a)
- (g) Per Company books
- (h) Column (f) x Column (g)
- (i) Page 6, Line 63(c) x Column (a)
- (j) Per Company books
- (k) Column (i) x Column (j)

- FICA = Federal Insurance Contributions Act
- FUTA = Federal Unemployment Tax Act
- SUTA = State Unemployment Tax Act

Schedule MAL-9 (REV-2)

Other Tax and Gross Receipts Tax

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Taxes Other Than Income Taxes - Other Taxes and Gross Receipts Tax

	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)	(i)	
Taxes Other Than Income Taxes:										
1	Narragansett Electric Company	\$17,353	\$13,187	\$4,166	\$0	\$0	\$0	\$17,353	\$13,187	\$4,166
2	National Grid USA Service Company	\$634,409	\$421,111	\$213,298	\$0	\$0	\$0	\$634,409	\$421,111	\$213,298
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total Other Taxes	\$651,762	\$434,298	\$217,464	\$0	\$0	\$0	\$651,762	\$434,298	\$217,464
	Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gross Receipts Tax:										
5	Narragansett Electric Company	\$43,734,959	\$32,568,650	\$11,166,309	(\$43,734,959)	(\$32,568,650)	(\$11,166,309)	\$0	\$0	\$0
6	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Total Gross Receipts Tax	\$43,734,959	\$32,568,650	\$11,166,309	(\$43,734,959)	(\$32,568,650)	(\$11,166,309)	\$0	\$0	\$0
	Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) and (c) Per Company Books
- (e) Page 5, Line 2 to Line 10, Column (b)
- (f) Page 5, Line 2 to Line 10, Column (c)
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Taxes Other Than Income Taxes - Other Taxes and Gross Receipts Tax

	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)	Gas (i)	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)							Total (g) = (h) + (i)
Taxes Other Than Income Taxes:										
1	Narragansett Electric Company	\$17,353	\$13,187	\$4,166	\$803	\$611	\$193	\$18,157	\$13,797	\$4,359
2	National Grid USA Service Company	\$634,409	\$421,111	\$213,298	\$29,373	\$19,497	\$9,876	\$663,782	\$440,609	\$223,173
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total Other Taxes	\$651,762	\$434,298	\$217,464	\$30,177	\$20,108	\$10,069	\$681,939	\$454,406	\$227,533
	Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gross Receipts Tax:										
5	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Total Gross Receipts Tax	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) Page 1, Column (h)
- (c) Page 1, Column (i)
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 20(b)
- 2(e) Page 5, Line 21(b)
- 3(e) Page 5, Line 22(b)
- 1(f) Page 5, Line 20(c)
- 2(f) Page 5, Line 21(c)
- 3(f) Page 5, Line 22(c)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Taxes Other Than Income Taxes - Other Taxes and Gross Receipts Tax
Electric

	Rate Year Ending August 31, 2019	Reflect Conditions in the Data Year	Data Year 1 Ending August 31, 2020	Reflect Conditions in the Data Year	Data Year 2 Ending August 31, 2021	
	Electric	Electric	Electric	Electric	Electric	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Taxes Other Than Income Taxes:						
1	Narragansett Electric Company	\$13,797	\$367	\$14,164	\$344	\$14,509
2	National Grid USA Service Company	\$440,609	\$11,720	\$452,329	\$10,992	\$463,321
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total Other Taxes	<u>\$454,406</u>	<u>\$12,087</u>	<u>\$466,493</u>	<u>\$11,336</u>	<u>\$477,829</u>
	Check	\$0	\$0	\$0	\$0	\$0
Gross Receipts Tax:						
5	Narragansett Electric Company	\$0	\$0	\$0	\$0	\$0
6	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
7	All Other Companies	\$0	\$0	\$0	\$0	\$0
8	Total Gross Receipts Tax	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	Check	\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (h)

Line Notes

- 1(b) Page 5, Line 30(b)
- 2(b) Page 5, Line 31(b)
- 3(b) Page 5, Line 32(b)
- 1(d) Page 5, Line 40(b)
- 2(d) Page 5, Line 41(b)
- 3(d) Page 5, Line 42(b)
- 8 Flow through tax, zero balance

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Taxes Other Than Income Taxes - Other Taxes and Gross Receipts Tax
Gas

	Rate Year Ending August 31, 2019	Reflect Conditions in the Data Year	Data Year 1 Ending August 31, 2020	Reflect Conditions in the 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	\$4,359	\$116	\$4,475	\$4,584
2	National Grid USA Service Company	\$223,173	\$5,936	\$229,110	\$234,677
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total Other Taxes	<u>\$227,533</u>	<u>\$6,052</u>	<u>\$233,585</u>	<u>\$239,261</u>
	Check	\$0	\$0	\$0	\$0
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 Gross Receipts Tax	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	Check	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (i)

Line Notes

- 1(b) Page 5, Line 30(c)
- 2(b) Page 5, Line 31(c)
- 3(b) Page 5, Line 32(c)
- 1(d) Page 5, Line 40(c)
- 2(d) Page 5, Line 41(c)
- 3(d) Page 5, Line 42(c)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Taxes Other Than Income Taxes - Other Taxes and Gross Receipts Tax

Explanation of Adjustments:	Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1 Page 1	<u>Taxes Other Than Income Taxes Adjustments: (to normalize Historic Year)</u>			
2		\$0	\$0	\$0
3		\$0	\$0	\$0
4		\$0	\$0	\$0
5	TOTAL Taxes Other Than Income Taxes Normalization Adjustments	\$0	\$0	\$0
6				
7	<u>Gross Receipts Tax Adjustments: (to normalize Historic Year)</u>			
8	Narragansett Electric Company	(\$43,734,959)	(\$32,568,650)	(\$11,166,309)
9	National Grid USA Service Company	\$0	\$0	\$0
10	All Other Companies	\$0	\$0	\$0
11	TOTAL Gross Receipts Tax Normalization Adjustments	(\$43,734,959)	(\$32,568,650)	(\$11,166,309)
12				
13				
14				
15 Page 2	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2019)</u>			
16				
17	General inflation %			
18	4.63%			
19				
20	Narragansett Electric Company	\$803	\$611	\$193
21	National Grid USA Service Company	\$29,373	\$19,497	\$9,876
22	All Other Companies	\$0	\$0	\$0
23				
24	TOTAL	\$30,177	\$20,108	\$10,069
25				
26				
27 Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2020)</u>			
28				
29	General inflation %			
30	2.66%			
31	Narragansett Electric Company	\$483	\$367	\$116
32	National Grid USA Service Company	\$17,657	\$11,720	\$5,936
33	All Other Companies	\$0	\$0	\$0
34	TOTAL	\$18,140	\$12,087	\$6,052
35				
36				
37 Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2021)</u>			
38				
39	General inflation %			
40	2.43%			
41	Narragansett Electric Company	\$453	\$344	\$109
42	National Grid USA Service Company	\$16,559	\$10,992	\$5,567
43	All Other Companies	\$0	\$0	\$0
44	TOTAL	\$17,012	\$11,336	\$5,676

Line Notes

- 8-10 (b) Negative Page 1, Line 5 through Line 7, Column (b)
- 8-10 (c) Negative Page 1, Line 5 through Line 7, Column (c)
- 20(b) Page 2, Line 1(b) x General Inflation Rate
- 21(b) Page 2, Line 2(b) * General Inflation Rate
- 22(b) Page 2, Line 3(b) * General Inflation Rate
- 20(c) Page 2, Line 1(c) * General Inflation Rate
- 21(c) Page 2, Line 2(c) * General Inflation Rate
- 22(c) Page 2, Line 3(c) * General Inflation Rate
- 30(b) Page 3, Line 1(a) * General Inflation Rate
- 31(b) Page 3, Line 2(a) * General Inflation Rate
- 32(b) Page 3, Line 3(a) * General Inflation Rate
- 30(c) Page 4, Line 1(a) * General Inflation Rate
- 31(c) Page 4, Line 2(a) * General Inflation Rate
- 32(c) Page 4, Line 3(a) * General Inflation Rate
- 40(b) Page 3, Line 1(c) * General Inflation Rate
- 41(b) Page 3, Line 2(c) * General Inflation Rate
- 42(b) Page 3, Line 3(c) * General Inflation Rate
- 40(c) Page 4, Line 1(c) * General Inflation Rate
- 41(c) Page 4, Line 2(c) * General Inflation Rate
- 42(c) Page 4, Line 3(c) * General Inflation Rate

Schedule MAL-10-ELEC (REV-2)

Income Taxes– Electric

The Narragansett Electric Company d/b/a National Grid
Electric Income Tax Expense
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Reference	Rate Year Ending August 31, 2019 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2019 with Revenue Increase (c)
1	Revenues	Schedule MAL-1-ELEC	\$279,091,943	\$297,969,704
2	Expenses	Schedule MAL-1-ELEC	(\$237,756,877)	(\$238,002,834)
3	Pre-tax operating income before interest		\$41,335,066	\$59,966,870
4				
5	<u>Synchronized Interest Expense</u>			
6	Rate Base	Schedule MAL-11-ELEC	\$730,084,338	\$730,084,338
7	Weighted Debt Component	2.28%	2.28%	2.28%
8	Synchronized Interest Expense		\$16,645,923	\$16,645,923
9				
10	Pre-tax income- State		\$24,689,143	\$43,320,947
11	State statutory tax rate	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0
13				
14	Pre-tax income- State		\$24,689,143	\$43,320,947
15	Normalized State income tax expense		\$0	\$0
16	Pre-tax income- Federal		\$24,689,143	\$43,320,947
17	Federal statutory tax rate	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$5,184,720	\$9,097,399
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(4,080,912)	(\$4,080,912)
21	Deferred income tax deficiency from Docket 4065		\$650,000	\$650,000
22	Amortization of Investment Tax Credits		(\$4,540)	(\$4,540)
23	ITC Basis Reduction Depreciation		\$15,210	\$15,210
24	Equity AFUDC		\$0	\$0
25	AFUDC Amortization		\$44,446	\$44,446
26	Normalized State income tax expense		\$0	\$0
27	Normalized Federal income tax expense		\$5,184,720	\$9,097,399
28	Normalized Federal plus State income tax expense revised		\$1,808,925	\$5,721,603
29				
30	After-tax income		\$39,526,141	\$54,245,266

Line Notes

1	Schedule MAL-1-ELEC, Page 1, Line 1(e) through 1(g)	17	Federal income tax rate
2	Schedule MAL-1-ELEC, Page 1, Line 25(e) through 25(g)	18	Line 16 x Line 17
3	Line 1 + Line 2	19	Line 11 + Line 17 - (Line 11 x Line 17)
6	Schedule MAL-11-ELEC, Page 1, Line 24(c)	21	Per Tax Dept
7	Schedule MAL-1-ELEC, Page 4, Line 1(c) + Line 3(c)	22	Page 4, Line 7
8	Line 6 x Line 7	23	Per Tax Dept
10	Line 3 - Line 8	24	Per Tax Dept
11	State income tax rate for utilities	25	Per Tax Dept
12	Line 10 x Line 11	26	Equals Line 12
14	Equals Line 10	27	Equals Line 18
15	Less Line 12	28	Sum of Lines 21 through 27
16	Line 14 + Line 15	30	Line 3 - Line 28

The Narragansett Electric Company d/b/a National Grid
Electric Income Tax Expense
For the Test Year Ended June 30, 2017 and the Data Year 1 Ending August 31, 2020

	Reference	Rate Year Ending August 31, 2020 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2020 with Revenue Increase (c)	
1	Revenues	Schedule MAL-1-ELEC	\$302,312,277	\$4,911,141	\$307,223,418
2	Expenses	Schedule MAL-1-ELEC	(\$244,440,623)	(\$63,987)	(\$244,504,610)
3	Pre-tax operating income before interest		\$57,871,654	\$4,847,154	\$62,718,808
4					
5	<u>Synchronized Interest Expense</u>				
6	Rate Base	Schedule MAL-11-ELEC	\$761,513,470		\$761,513,470
7	Weighted Debt Component	2.28%	2.28%	2.28%	2.28%
8	Synchronized Interest Expense		\$17,362,507		\$17,362,507
9					
10	Pre-tax income- State		\$40,509,147	\$4,847,154	\$45,356,301
11	State statutory tax rate	0.00%	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0	\$0
13					
14	Pre-tax income- State		\$40,509,147	\$4,847,154	\$45,356,301
15	Normalized State income tax expense		\$0	\$0	\$0
16	Pre-tax income- Federal		\$40,509,147	\$4,847,154	\$45,356,301
17	Federal statutory tax rate	21.00%	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$8,506,921	\$1,017,902	\$9,524,823
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(4,080,912)	\$0	(\$4,080,912)
21	Deferred income tax deficiency from Docket 4065		\$650,000	\$0	\$650,000
22	Amortization of Investment Tax Credits		\$0	\$0	\$0
23	ITC Basis Reduction Depreciation		\$0	\$0	\$0
24	Equity AFUDC		\$0	\$0	\$0
25	AFUDC Amortization		\$44,446	\$0	\$44,446
26	Normalized State income tax expense		\$0	\$0	\$0
27	Normalized Federal income tax expense		\$8,506,921	\$1,017,902	\$9,524,823
28	Normalized Federal plus State income tax expense revised		\$5,120,455	\$1,017,902	\$6,138,357
29					
30	After-tax income		\$52,751,199	\$3,829,252	\$56,580,451

Line Notes

1	Schedule MAL-1-ELEC, Page 2, Line 1(c) through 1(e)	17	Federal income tax rate
2	Schedule MAL-1-ELEC, Page 2 Line 25(c) through 25(e)	18	Line 16 x Line 17
3	Line 1 + Line 2	19	Line 11 + Line 17 - (Line 11 x Line 17)
6	Schedule MAL-11-ELEC, Page 1, Line 24(d)	21	Per Tax Dept
7	Schedule MAL-1-ELEC, Page 4, Line 1(c) + Line 3(c)	22	Per Tax Dept
8	Line 6 x Line 7	23	Per Tax Dept
10	Line 3 - Line 8	24	Per Tax Dept
11	State income tax rate for utilities	25	Per Tax Dept
12	Line 10 x Line 11	26	Equals Line 12
14	Equals Line 10	27	Equals Line 18
15	Less Line 12	28	Sum of Lines 21 through 27
16	Line 14 + Line 15	30	Line 3 - Line 28

The Narragansett Electric Company d/b/a National Grid
Electric Income Tax Expense
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Reference	Rate Year Ending August 31, 2021 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2021 with Revenue Increase (c)	
1	Revenues	Schedule MAL-1-ELEC	\$311,261,164	\$4,662,589	\$315,923,754
2	Expenses	Schedule MAL-1-ELEC	(\$250,796,882)	(\$60,749)	(\$250,857,630)
3	Pre-tax operating income before interest		\$60,464,283	\$4,601,841	\$65,066,124
4					
5	<u>Synchronized Interest Expense</u>				
6	Rate Base	Schedule MAL-11-ELEC	\$788,190,578		\$788,190,578
7	Weighted Debt Component	2.28%	2.28%	2.28%	2.28%
8	Synchronized Interest Expense		\$17,970,745		\$17,970,745
9					
10	Pre-tax income- State		\$42,493,538	\$4,601,841	\$47,095,378
11	State statutory tax rate	0.00%	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0	\$0
13					
14	Pre-tax income- State		\$42,493,538	\$4,601,841	\$47,095,378
15	Normalized State income tax expense		\$0	\$0	\$0
16	Pre-tax income- Federal		\$42,493,538	\$4,601,841	\$47,095,378
17	Federal statutory tax rate	21.00%	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$8,923,643	\$966,387	\$9,890,029
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(4,080,912)	\$0	(\$4,080,912)
21	Deferred income tax deficiency from Docket 4065		\$650,000	\$0	\$650,000
22	Amortization of Investment Tax Credits		\$0	\$0	\$0
23	ITC Basis Reduction Depreciation		\$0	\$0	\$0
24	Equity AFUDC		\$0	\$0	\$0
25	AFUDC Amortization		\$44,446	\$0	\$44,446
26	Normalized State income tax expense		\$0	\$0	\$0
27	Normalized Federal income tax expense		\$8,923,643	\$966,387	\$9,890,029
28	Normalized Federal plus State income tax expense revised		\$5,537,177	\$966,387	\$6,503,564
29					
30	After-tax income		\$54,927,106	\$3,635,454	\$58,562,560

Line Notes

1	Schedule MAL-1-ELEC, Page 3, Line 1(c) through 1(e)	17	Federal income tax rate
2	Schedule MAL-1-ELEC, Page 3, Line 25(c) through 25(e)	18	Line 16 x Line 17
3	Line 1 + Line 2	19	Line 11 + Line 17 - (Line 11 x Line 17)
6	Schedule MAL-11-ELEC, Page 1, Line 24(e)	21	Per Tax Dept
7	Schedule MAL-1-ELEC, Page 4, Line 1(c) + Line 3(c)	22	Per Tax Dept
8	Line 6 x Line 7	23	Per Tax Dept
10	Line 3 - Line 8	24	Per Tax Dept
11	State income tax rate for utilities	25	Per Tax Dept
12	Line 10 x Line 11	26	Equals Line 12
14	Equals Line 10	27	Equals Line 18
15	Less Line 12	28	Sum of Lines 21 through 27
16	Line 14 + Line 15	30	Line 3 - Line 28

The Narragansett Electric Company d/b/a National Grid
 Amortization of Investment Tax Credits
 For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	<u>Total</u>
1 Rate Year Investment Tax Credits	(\$7,151)
2 Less: Related IFA Expenses	\$2,611
3 Rate Year Investment Tax Credits Adjustment	<u>(\$4,540)</u>

Line Notes

- 1 Page 5, Line 14
- 2 Line 5 times 36.52% IFA plant allocator
- 3 Line 5 + Line 6

The Narragansett Electric Company d/b/a National Grid
Amortization of Investment Tax Credits
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

		<u>Amortization</u>
1	September 2018	(\$1,907)
2	October 2018	(\$1,907)
3	November 2018	(\$1,907)
4	December 2018	(\$230)
5	January 2019	(\$150)
6	February 2019	(\$150)
7	March 2019	(\$150)
8	April 2019	(\$150)
9	May 2019	(\$150)
10	June 2019	(\$150)
11	July 2019	(\$150)
12	August 2019	(\$150)
13		
14	Total	(\$7,151)

Line Notes

- 1-12 Per Tax Department
- 14 Sum of Line 1 thru Line 12

Schedule MAL-10-GAS (REV-2)

Income Taxes – Gas

The Narragansett Electric Company d/b/a National Grid
Gas Income Tax Expense
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

	Reference	Rate Year Ending August 31, 2019 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2019 with Revenue Increase (c)	
1	Revenues	Schedule MAL-1-GAS	\$212,763,488	\$15,451,041	\$228,214,528
2	Expenses	Schedule MAL-1-GAS	(\$160,893,064)	(\$321,618)	(\$161,214,682)
3	Pre-tax operating income before interest		\$51,870,424	\$15,129,423	\$66,999,846
4					
5	<u>Synchronized Interest Expense</u>				
6	Rate Base	Schedule MAL-11-GAS	\$765,221,251		\$765,221,251
7	Weighted Debt Component	2.52%	2.52%	2.52%	2.52%
8	Synchronized Interest Expense		\$19,283,576		\$19,283,576
9					
10	Pre-tax income- State		\$32,586,848	\$15,129,423	\$47,716,271
11	State statutory tax rate	0.00%	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0	\$0
13					
14	Pre-tax income- State		\$32,586,848	\$15,129,423	\$47,716,271
15	Normalized State income tax expense		\$0	\$0	\$0
16	Pre-tax income- Federal		\$32,586,848	\$15,129,423	\$47,716,271
17	Federal statutory tax rate	21.00%	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$6,843,238	\$3,177,179	\$10,020,417
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(1,736,110)	\$0	(\$1,736,110)
21	Equity AFUDC		\$0	\$0	\$0
22	AFUDC Amortization		\$23,070	\$0	\$23,070
23	Normalized State income tax expense		\$0	\$0	\$0
24	Normalized Federal income tax expense		\$6,843,238	\$3,177,179	\$10,020,417
25	Normalized Federal plus State income tax expense revised		\$5,130,198	\$3,177,179	\$8,307,376
26					
27	After-tax income		\$46,740,226	\$11,952,244	\$58,692,470

Line Notes

1	Schedule MAL-1-GAS, Page 1, Line 1(e) through 1(g)	15	Less Line 12
2	Schedule MAL-1-GAS, Page 1, Line 25(e) through 25(g)	16	Line 14 + Line 15
3	Line 1 + Line 2	17	Federal income tax rate
6	Schedule MAL-11-GAS, Page 1, Line 36(c)	18	Line 16 x Line 17
7	Schedule MAL-1-GAS, Page 4, Line 1(c) + Line 3(c)	19	Line 11 + Line 17 - (Line 11 x Line 17)
8	Line 6 x Line 7	21	Per Tax Dept
10	Line 3 - Line 8	22	Per Tax Dept
11	State income tax rate	23	Equals Line 12
12	Line 10 x Line 11	24	Equals Line 18
14	Equals Line 10	25	Sum of Lines 21 through 25
		27	Line 3 - Line 25

The Narragansett Electric Company d/b/a National Grid
Gas Income Tax Expense
For the Test Year Ended June 30, 2017 and the Data Year 1 Ending August 31, 2020

	Reference	Rate Year Ending August 31, 2020 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2020 with Revenue Increase (c)	
1	Revenues	Schedule MAL-1-GAS	\$236,405,597	\$7,459,951	\$243,865,549
2	Expenses	Schedule MAL-1-GAS	(\$170,658,146)	(\$155,281)	(\$170,813,427)
3	Pre-tax operating income before interest		\$65,747,451	\$7,304,670	\$73,052,122
4					
5	<u>Synchronized Interest Expense</u>				
6	Rate Base	Schedule MAL-11-GAS	\$832,178,698		\$832,178,698
7	Weighted Debt Component	2.52%	2.52%	2.52%	2.52%
8	Synchronized Interest Expense		\$20,970,903		\$20,970,903
9					
10	Pre-tax income- State		\$44,776,548	\$7,304,670	\$52,081,218
11	State statutory tax rate	0.00%	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0	\$0
13					
14	Pre-tax income- State		\$44,776,548	\$7,304,670	\$52,081,218
15	Normalized State income tax expense		\$0	\$0	\$0
16	Pre-tax income- Federal		\$44,776,548	\$7,304,670	\$52,081,218
17	Federal statutory tax rate	21.00%	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$9,403,075	\$1,533,981	\$10,937,056
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(1,736,110)	\$0	(\$1,736,110)
21	Equity AFUDC		\$0	\$0	\$0
22	AFUDC Amortization		\$23,070	\$0	\$23,070
23	Normalized State income tax expense		\$0	\$0	\$0
24	Normalized Federal income tax expense		\$9,403,075	\$1,533,981	\$10,937,056
25	Normalized Federal plus State income tax expense revised		\$7,690,035	\$1,533,981	\$9,224,015
26					
27	After-tax income		\$58,057,417	\$5,770,690	\$63,828,106

Line Notes

1	Schedule MAL-1-GAS, Page 2, Line 1(c) through 1(e)	15	Less Line 12
2	Schedule MAL-1-GAS, Page 2, Line 23(c) through 23(e)	16	Line 14 + Line 15
3	Line 1 + Line 2	17	Federal income tax rate
6	Schedule MAL-11-GAS, Page 1, Line 36(d)	18	Line 16 x Line 17
7	Schedule MAL-1-GAS, Page 4, Line 1(c) + Line 3(e)	19	Line 11 + Line 17 - (Line 11 x Line 17)
8	Line 6 x Line 7	21	Per Tax Dept
10	Line 3 - Line 8	22	Per Tax Dept
11	State income tax rate	23	Equals Line 12
12	Line 10 x Line 11	24	Equals Line 18
14	Equals Line 10	25	Sum of Lines 21 through 25
		27	Line 3 - Line 25

The Narragansett Electric Company d/b/a National Grid
Gas Income Tax Expense
For the Test Year Ended June 30, 2017 and the Data Year 2 Ending August 31, 2021

	Reference	Rate Year Ending August 31, 2021 (a)	Revenue Increase Effect (b)	Rate Year Ending August 31, 2021 with Revenue Increase (c)	
1	Revenues	Schedule MAL-1-GAS	\$252,056,618	\$6,225,773	\$258,282,390
2	Expenses	Schedule MAL-1-GAS	(\$179,686,555)	(\$129,591)	(\$179,816,146)
3	Pre-tax operating income before interest		\$72,370,063	\$6,096,181	\$78,466,244
4					
5	<u>Synchronized Interest Expense</u>				
6	Rate Base	Schedule MAL-11-GAS	\$892,076,141		\$892,076,141
7	Weighted Debt Component	2.52%	2.52%	2.52%	2.52%
8	Synchronized Interest Expense		\$22,480,319		\$22,480,319
9					
10	Pre-tax income- State		\$49,889,744	\$6,096,181	\$55,985,925
11	State statutory tax rate	0.00%	0.00%	0.00%	0.00%
12	Normalized State income tax expense		\$0	\$0	\$0
13					
14	Pre-tax income- State		\$49,889,744	\$6,096,181	\$55,985,925
15	Normalized State income tax expense		\$0	\$0	\$0
16	Pre-tax income- Federal		\$49,889,744	\$6,096,181	\$55,985,925
17	Federal statutory tax rate	21.00%	21.00%	21.00%	21.00%
18	Normalized Federal income tax expense		\$10,476,846	\$1,280,198	\$11,757,044
19	Effective combined statutory tax rate	21.00%	21.00%	21.00%	21.00%
20	Excess Deferred Tax		(1,736,110)	\$0	(\$1,736,110)
21	Equity AFUDC		\$0	\$0	\$0
22	AFUDC Amortization		\$23,070	\$0	\$23,070
23	Normalized State income tax expense		\$0	\$0	\$0
24	Normalized Federal income tax expense		\$10,476,846	\$1,280,198	\$11,757,044
25	Normalized Federal plus State income tax expense revised		\$8,763,806	\$1,280,198	\$10,044,004
26					
27	After-tax income		\$63,606,257	\$4,815,983	\$68,422,240

Line Notes

1	Schedule MAL-1-GAS, Page 3, Line 1(c) - 1(e)	15	Less Line 12
2	Schedule MAL-1-GAS, Page 3, Line 23(c) - 23(e)	16	Line 14 + Line 15
3	Line 1 + Line 2	17	Federal income tax rate
6	Schedule MAL-11-GAS, Page 1, Line 36(e)	18	Line 16 x Line 17
7	Schedule 1, Page 4, Line 1(c) + Line 3(c)	19	Line 11 + Line 17 - (Line 11 x Line 17)
8	Line 6 x Line 7	21	Per Tax Dept
10	Line 3 - Line 8	22	Per Tax Dept
11	State income tax rate	23	Equals Line 12
12	Line 10 x Line 11	24	Equals Line 18
14	Equals Line 10	25	Sum of Lines 21 through 25
		27	Line 3 - Line 25

Schedule MAL-11-ELEC (REV-2)

Rate Base– Electric

The Narragansett Electric Company d/b/a National Grid
Distribution Rate Base Calculation - Electric
For the Test Year Ended June 30, 2017 and the Rate Year Ending August 31, 2019

Description	5 Quarter Average				
	Test Year Ended June 30, 2017 (Per Books - 5 Quarter Average)	Adjustments	Rate Year Ending August 31, 2019	Rate Year Ending August 31, 2020	Rate Year Ending August 31, 2021
	(a)	(b)	(c)	(d)	(e)
1 Utility Plant In Service	\$1,503,289,331	\$98,275,011	\$1,601,564,342	\$1,655,861,195	\$1,709,912,561
2					
3 Property Held for Future Use	\$2,496,405	\$0	\$2,496,405	\$2,496,405	\$2,496,405
4 Less: Contribution in Aid of Construction	(\$101,521)	\$104,277	\$2,756	\$2,756	\$2,756
5 Less: Accumulated Depreciation	\$656,218,763	\$31,467,831	\$687,686,594	\$708,663,667	\$731,511,274
6					
7 Net Plant	\$849,668,494	\$66,702,903	\$916,371,397	\$949,691,177	\$980,894,936
8					
9 Materials and Supplies	\$4,483,113	(\$876,665)	\$3,606,448	\$3,516,270	\$3,439,965
10 Prepayments	\$691,294	(\$691,294)	\$0	\$0	\$0
11 Loss on Reacquired Debt	\$1,822,028	(\$411,292)	\$1,410,736	\$1,254,106	\$1,121,573
12 Cash Working Capital	\$4,975,475	\$13,149,412	\$18,124,887	\$18,124,887	\$18,124,887
13 Unamortized Interest Rate Lock	\$2,439,092	(\$801,086)	\$1,638,006	\$1,237,463	\$898,542
14 Unamortized Debt Issuance Costs \$550M	\$1,113,997	(\$212,054)	\$901,943	\$795,916	\$706,200
15 Unamortized Debt Issuance Costs \$250M	\$945,261	(\$79,025)	\$866,236	\$826,723	\$793,290
16 Unamortized Debt Issuance Costs \$250M Apr 18	\$0	\$833,470	\$833,470	\$801,319	\$774,113
17 Subtotal	\$16,470,260	\$10,911,465	\$27,381,725	\$26,556,683	\$25,858,570
18					
19 Accumulated Deferred FIT	\$183,859,681	\$20,380,463	\$204,240,143	\$205,213,448	\$208,968,558
20 Accumulated Deferred FIT -Loss on Reacquired Debt	\$637,710	(\$97,637)	\$540,073	\$509,711	\$479,349
21 Customer Deposits	\$9,956,664	(\$1,068,096)	\$8,888,568	\$9,011,230	\$9,115,021
22 Subtotal	\$194,454,055	\$19,214,730	\$213,668,785	\$214,734,390	\$218,562,928
23					
24 Rate Base	\$671,684,699	\$58,399,638	\$730,084,338	\$761,513,470	\$788,190,578
Column Notes	672,076,463	54,361,722	726,438,185	753,299,916	775,317,893
(a) Page 2, Column (f)					
(b) Column (c) - Column (a)	(391,764)	514,057	122,293	122,293	122,293
Line Notes	671,684,699	54,875,779	726,560,478	753,422,209	775,440,186
1(c) Page 6, Line 34	\$0	\$3,523,860	\$3,523,860	\$8,091,261	\$12,750,392
1(d) Page 7, Line 16					
1(e) Page 7, Line 33					
2(c) - (e) Line 1(a)					
4(c) Page 10, Line 46(a)					
4(d) Page 10, Line 48(a)					
4(e) Page 10, Line 50(a)					
5(c) Page 8, Line 30					
5(d) Page 9, Line 16					
5(e) Page 9, Line 33					
7(a) - (e) Line 1 + Line 3 - Line 4 - Line 5					
9(c) Page 10, Line 46(b)					
9(d) Page 10, Line 48(b)					
9(e) Page 10, Line 50(b)					
11(c) Page 10, Line 46(d)					
11(d) Page 10, Line 48(d)					
11(e) Page 10, Line 50(d)					
12(c) - (e) Schedule MAL-4, Page 1 Line 23					
13(c) Page 10, Line 46(f)					
13(d) Page 10, Line 48(f)					
13(e) Page 10, Line 50(f)					
14(c) Page 10, Line 46(g)					
14(d) Page 10, Line 48(g)					
14(e) Page 10, Line 50(g)					
15(c) Page 10, Line 46(h)					
15(d) Page 10, Line 48(h)					
15(e) Page 10, Line 50(h)					
16(c) Page 10, Line 46(i)					
16(d) Page 10, Line 48(i)					
16(e) Page 10, Line 50(i)					
17(a) - (e) Sum of Lines 9 - 16					
19(c) Page 11, Line 24(b)					
19(d) Page 12, Line 16(b)					
19(e) Page 12, Line 31(b)					
20 (c) - (e) Line 11 * 35%					
21(c) Page 10, Line 46(e)					
21(d) Page 10, Line 48(e)					
21(e) Page 10, Line 50(e)					
22(a) - (e) Sum of Lines 19 - 21					
24(a) - (e) Line 7 + Line 17 - Line 22					

The Narragansett Electric Company d/b/a National Grid
Test Year Rate Base - Distribution
Five Quarter Average

Description	June	September	Quarter Ending	March	June	Five Quarter
	2016	2016	December	2017	2017	Average
	(a)	(b)	(c)	(d)	(e)	(f)
1 Utility Plant in Service	\$1,483,904,318	\$1,487,785,788	\$1,490,507,033	\$1,525,211,443	\$1,529,038,072	\$1,503,289,331
2						
3 Property Held for Future Use	\$2,496,405	\$2,496,405	\$2,496,405	\$2,496,405	\$2,496,405	\$2,496,405
4 Less: Contribution in Aid of Construction	\$2,756	\$2,756	\$2,756	(\$518,630)	\$2,756	(\$101,521)
5 Less: Accumulated Depreciation	\$656,628,902	\$656,147,751	\$654,105,202	\$661,928,361	\$652,283,601	\$656,218,763
6						
7 Net Plant in Service	\$829,769,065	\$834,131,685	\$838,895,480	\$866,298,116	\$879,248,120	\$849,668,494
8						
9 Plus:						
10 Materials and Supplies	\$5,204,452	\$4,879,444	\$4,525,831	\$4,060,653	\$3,745,184	\$4,483,113
11 Prepayments	\$630,356	\$907,230	\$1,444,668	\$608,619	(\$134,403)	\$691,294
12 Loss on Reacquired Debt	\$1,907,920	\$1,882,220	\$1,854,556	\$1,746,543	\$1,718,902	\$1,822,028
13 Cash Working Capital	\$4,975,475	\$4,975,475	\$4,975,475	\$4,975,475	\$4,975,475	\$4,975,475
14 Unamortized Interest Rate Lock	\$2,623,958	\$2,531,525	\$2,439,092	\$2,346,659	\$2,254,226	\$2,439,092
15 Unamortized Debt Issuance Costs (\$550M)	\$1,162,933	\$1,138,465	\$1,113,997	\$1,089,529	\$1,065,062	\$1,113,997
16 Unamortized Debt Issuance Costs (\$250M 2012)	\$963,498	\$954,379	\$945,261	\$936,143	\$927,024	\$945,261
17 Subtotal	\$17,468,592	\$17,268,739	\$17,298,880	\$15,763,622	\$14,551,470	\$16,470,260
18						
19 Less:						
20 Accumulated Deferred FIT	\$178,348,805	\$193,417,512	\$165,941,844	\$184,975,771	\$196,614,471	\$183,859,681
21 Accumulated Deferred FIT - Loss on Reacquired Debt	\$667,772	\$658,777	\$649,095	\$611,290	\$601,616	\$637,710
22 Customer Deposits	\$10,276,171	\$10,375,796	\$10,276,666	\$10,154,831	\$8,699,858	\$9,956,664
23 Subtotal	\$189,292,748	\$204,452,085	\$176,867,604	\$195,741,892	\$205,915,945	\$194,454,055
24						
25 Rate Base	\$657,944,909	\$646,948,339	\$679,326,756	\$686,319,846	\$687,883,646	\$671,684,699

Column Notes

- (a) Column(a) from Page 4 - Column(a) from Page 3
- (b) Column(b) from Page 4 - Column(b) from Page 3
- (c) Column(c) from Page 4 - Column(c) from Page 3
- (d) Column(d) from Page 4 - Column(d) from Page 3
- (e) Column(e) from Page 4 - Column(e) from Page 3

The Narragansett Electric Company d/b/a National Grid
Test Year Rate Base - Integrated Facilities Agreement (IFA) and Block Island Transmission System
Five Quarter Average

Description	June	September	Quarter Ending	March	June	Five Quarter
	2016	2016	December	2017	2017	Average
	(a)	(b)	(c)	(d)	(e)	(f)
1 Utility Plant in Service	\$837,858,278	\$837,980,360	\$925,389,760	\$943,635,963	\$948,680,657	\$898,709,004
2						
3 Property Held for Future Use	\$12,531,903	\$12,531,903	\$12,531,903	\$12,531,903	\$12,531,903	\$12,531,903
4 Less: Contribution in Aid of Construction	\$0	\$0	\$0	\$0	\$0	\$0
5 Less: Accumulated Depreciation	\$98,171,448	\$97,433,163	\$96,405,529	\$99,824,250	\$102,899,605	\$98,946,799
6						
7 Net Plant in Service	<u>\$752,218,732</u>	<u>\$753,079,101</u>	<u>\$841,516,133</u>	<u>\$856,343,616</u>	<u>\$858,312,955</u>	<u>\$812,294,107</u>
8						
9 Plus:						
10 Materials and Supplies	\$3,099,585	\$2,868,780	\$2,720,358	\$2,788,276	\$2,571,419	\$2,809,684
11 Prepayments	\$367,547	\$526,333	\$836,202	\$701,751	\$285,442	\$543,455
12 Loss on Reacquired Debt	\$1,112,467	\$1,091,978	\$1,073,453	\$1,135,277	\$1,116,730	\$1,105,981
13 Cash Working Capital	\$2,870,239	\$3,789,549	\$2,681,655	\$3,194,316	\$2,514,043	\$3,009,960
14 Unamortized Interest Rate Lock	\$1,623,928	\$1,566,724	\$1,509,520	\$1,452,316	\$1,395,112	\$1,509,520
14 Unamortized Debt Issuance Costs (\$550M)	\$816,103	\$800,961	\$785,818	\$674,289	\$659,146	\$747,263
15 Unamortized Debt Issuance Costs (\$250M 2012)	\$641,436	\$635,793	\$630,149	\$579,361	\$573,718	\$612,091
16 Subtotal	<u>\$10,531,305</u>	<u>\$11,280,118</u>	<u>\$10,237,155</u>	<u>\$10,525,585</u>	<u>\$9,115,610</u>	<u>\$10,337,955</u>
17						
18 Less:						
19 Accumulated Deferred FIT	\$154,416,255	\$156,079,291	\$158,841,895	\$168,039,168	\$159,376,348	\$159,350,591
20 Accumulated Deferred FIT - Loss on Reacquired Debt	\$389,363	\$382,192	\$375,709	\$397,347	\$390,855	\$387,093
21 Customer Deposits	\$0	\$0	\$0	\$0	\$0	\$0
23 Subtotal	<u>\$154,805,618</u>	<u>\$156,461,483</u>	<u>\$159,217,604</u>	<u>\$168,436,515</u>	<u>\$159,767,203</u>	<u>\$159,737,685</u>
24						
25 Rate Base	<u>\$607,944,420</u>	<u>\$607,897,736</u>	<u>\$692,535,685</u>	<u>\$698,432,686</u>	<u>\$707,661,361</u>	<u>\$662,894,377</u>

Column Notes

(a) - (e) Per Company Books

The Narragansett Electric Company d/b/a National Grid
Test Year Rate Base - Total Distribution and IFA
Five Quarter Average

Description	Quarter Ending					Five Quarter Average
	June 2016 (a)	September 2016 (b)	December 2016 (c)	March 2017 (d)	June 2017 (e)	
1 Utility Plant in Service	\$2,321,762,596	\$2,325,766,148	\$2,415,896,793	\$2,468,847,406	\$2,477,718,729	\$2,401,998,334
2						
3 Property Held for Future Use	\$15,028,308	\$15,028,308	\$15,028,308	\$15,028,308	\$15,028,308	\$15,028,308
4 Less: Contribution in Aid of Construction	\$2,756	\$2,756	\$2,756	(\$518,630)	\$2,756	(\$101,521)
5 Less: Accumulated Depreciation	\$754,800,350	\$753,580,914	\$750,510,731	\$761,752,611	\$755,183,206	\$755,165,562
6						
7 Net Plant in Service	<u>\$1,581,987,798</u>	<u>\$1,587,210,786</u>	<u>\$1,680,411,614</u>	<u>\$1,722,641,733</u>	<u>\$1,737,561,075</u>	<u>\$1,661,962,601</u>
8						
9 Plus:						
10 Materials and Supplies	\$8,304,037	\$7,748,224	\$7,246,188	\$6,848,929	\$6,316,603	\$7,292,796
11 Prepayments	\$997,903	\$1,433,564	\$2,280,870	\$1,310,370	\$151,039	\$1,234,749
12 Loss on Reacquired Debt	\$3,020,387	\$2,974,198	\$2,928,009	\$2,881,820	\$2,835,632	\$2,928,009
13 Cash Working Capital	\$7,845,714	\$8,765,024	\$7,657,130	\$8,169,791	\$7,489,518	\$7,985,435
14 Unamortized Interest Rate Lock	\$4,247,886	\$4,098,249	\$3,948,612	\$3,798,975	\$3,649,338	\$3,948,612
15 Unamortized Interest Rate Lock \$550M	\$1,979,036	\$1,939,426	\$1,899,815	\$1,763,818	\$1,724,208	\$1,861,261
16 Unamortized Debt Issuance Costs \$550M	\$1,604,933	\$1,590,172	\$1,575,410	\$1,515,504	\$1,500,743	\$1,557,352
17 Subtotal	<u>\$27,999,897</u>	<u>\$28,548,857</u>	<u>\$27,536,035</u>	<u>\$26,289,207</u>	<u>\$23,667,080</u>	<u>\$26,808,215</u>
18						
19 Less:						
20 Accumulated Deferred FIT	\$332,765,060	\$349,496,803	\$324,783,739	\$353,014,939	\$355,990,819	\$343,210,272
21 Accumulated Deferred FIT - Loss on Reacquired Debt	\$1,057,135	\$1,040,969	\$1,024,803	\$1,008,637	\$992,471	\$1,024,803
22 Customer Deposits	\$10,276,171	\$10,375,796	\$10,276,666	\$10,154,831	\$8,699,858	\$9,956,664
23 Subtotal	<u>\$344,098,367</u>	<u>\$360,913,568</u>	<u>\$336,085,208</u>	<u>\$364,178,406</u>	<u>\$365,683,148</u>	<u>\$354,191,740</u>
24						
25 Rate Base	<u>\$1,265,889,328</u>	<u>\$1,254,846,074</u>	<u>\$1,371,862,441</u>	<u>\$1,384,752,533</u>	<u>\$1,395,545,007</u>	<u>\$1,334,579,077</u>

Column Notes

(a) - (e) Per Company Books

The Narragansett Electric Company db/a National Grid
Adjustments to Rate Base
Analysis of Test Year through Rate Year Capital Investment

	FY 18	FY 19	FY 20	Rate Year 1	FY 21	Rate Year 2	FY 22	Rate Year 3	FY 22
	4/1/17 - 6/30/17	4/1/18 - 3/31/18	4/1/19 - 3/31/19	4/1/19 - 3/31/20	4/1/20 - 3/31/21	4/1/19 - 3/31/20	4/1/21 - 3/31/21	4/1/20 - 3/31/21	4/1/21 - 3/31/21
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Distribution									
FY 2018 Approved ISR Plan	\$18,710,750	\$56,132,250	\$31,184,583	\$43,658,417	\$31,184,583	\$74,843,000	\$43,658,417	\$74,843,000	\$43,658,417
	\$18,710,750	\$56,132,250	\$31,184,583	\$43,658,417	\$31,184,583	\$74,843,000	\$43,658,417	\$74,843,000	\$43,658,417
Total Distribution									
General Plant									
Facilities	\$0	\$0	\$0	\$1,542,917	\$833,333	\$2,000,000	\$1,166,667	\$2,000,000	\$2,000,000
IS Costs	\$0	\$0	\$35,000	\$53,000	\$0	\$0	\$0	\$0	\$0
Fleet/Inventory Mgmt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total General	\$0	\$0	\$35,000	\$1,595,917	\$833,333	\$2,000,000	\$1,166,667	\$2,000,000	\$2,000,000
Amount Applicable to Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amount Applicable to Distribution	\$0	\$0	\$35,000	\$1,595,917	\$833,333	\$2,000,000	\$1,166,667	\$2,000,000	\$2,000,000
Distribution and General	\$18,710,750	\$56,132,250	\$31,219,583	\$45,254,333	\$32,017,917	\$76,843,000	\$44,825,083	\$76,843,000	\$45,658,417

Line Notes
5(a) - (m) Sum of Lines 1-4
8 Per Company Books
9(c) RI Elec Only Physical Security Replacements - FY18
9(d) RI Elec Only Physical Security Replacements - FY18
15(a) - (m), Sum of Line 5 + Line 13

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Plant in Service

	Description	Period	Distribution Plant In Service
		(a)	(b)
1	Balance at June 30, 2017		\$1,529,038,072
2	Less: ARO		(\$1,123,411)
3	Less: Other Capital Adjustments		(\$14,007,757)
4	Adjusted Balance at June 30, 2017		<u>\$1,513,906,904</u>
5			
6			
7	Plus: Plant Additions 2 months ending 8/31/17		\$12,473,833
8	Less: Streetlight Retirement in 2 months ending 8/31/17		(\$1,057,011)
9	Less: Plant Retirements 2 months ending 8/31/17		(\$3,699,739)
10	Net Increase		<u>\$7,717,083</u>
11			
12	Balance at August 31, 2017		\$1,521,623,987
13			
14	Plus: Plant Additions 12 Months Ended 8/31/18		\$74,878,000
15	Less: Plant Retirements 12 Months Ended 08/31/18		(\$22,208,815)
16	Net Increase		<u>\$52,669,185</u>
17			
18	Balance at August 31, 2018		\$1,574,293,172
19			
20			
21		09/30/18 1/	\$1,578,838,367
22		10/31/18 1/	\$1,583,383,562
23		11/30/18 1/	\$1,587,928,757
24		12/31/18 1/	\$1,592,473,952
25		01/31/19 1/	\$1,597,019,147
26		02/28/19 1/	\$1,601,564,342
27		03/31/19 1/	\$1,606,109,537
28		04/30/19 1/	\$1,610,654,732
29		05/31/19 1/	\$1,615,199,927
30		06/30/19 1/	\$1,619,745,122
31		07/31/19 1/	\$1,624,290,317
32		08/31/19 1/	<u>\$1,628,835,512</u>
33			
34	Rate Year Plant in Service - 5 Quarter Average		<u><u>\$1,601,564,342</u></u>
35			
36	1/ Adjustment Detail:		
37	Plant Detail 12 Months Ended 8/31/19		
38	Plant Additions 12 Months Ended 8/31/19		\$77,541,000
39	Plant Retirements 12 Months Ended 8/31/19		(\$22,998,661)
40	Net Increase / (Decrease)		<u><u>\$54,542,339</u></u>
41			
42	Monthly Increase / (Decrease)		<u><u>\$4,545,195</u></u>

Line Notes

- 1 Page 2, Line 1(e)
- 2 Schedule MAL-6-ELEC Page 4, Line 18(b)
- 3 Schedule MAL-6-ELEC Page 4, Line 18(d)
- 4 Sum of Lines 1- 3
- 7 Schedule MAL-6-ELEC Page 1, Line 14(b)
- 8 Schedule MAL-6-ELEC Page 1, Line 15(b)
- 9 Schedule MAL-6-ELEC Page 1, Line 16(b)
- 10 Sum of Lines 7-9
- 12 Line 4 + Line 10
- 14 Schedule MAL-6-ELEC Page 1, Line 34(b)
- 15 Schedule MAL-6-ELEC Page 1, Line 35(b)
- 16 Line 14 + Line 15
- 18 Line 12 + Line 16
- 21 Line 18 + Line 42
- 22-32 Prior Month Balance + Line 42
- 34 Average of Lines 18, 23, 26, 29, and 32
- 38 Schedule MAL-6-ELEC Page 2, Line 6(b)
- 39 Schedule MAL-6-ELEC Page 2, Line 7(b)
- 40 Line 38 + Line 38
- 42 Line 40 divided by 12

The Narragansett Electric Company d/b/a National Grid
Plant Adjustments to Rate Base
Rate Year 1 Ending August 31, 2019 through Rate Year 3 Ending August 31, 2021
Electric Plant in Service Forecast

Description	Period		Distribution Plant
	(a)		in Service
			(b)
1 Balance at August 31, 2019			\$1,628,835,512
2			
3 Balance as of:	09/30/19	1/	\$1,633,339,792
4	10/31/19	1/	\$1,637,844,073
5	11/30/19	1/	\$1,642,348,353
6	12/31/19	1/	\$1,646,852,634
7	01/31/20	1/	\$1,651,356,914
8	02/28/20	1/	\$1,655,861,195
9	03/31/20	1/	\$1,660,365,475
10	04/30/20	1/	\$1,664,869,756
11	05/31/20	1/	\$1,669,374,036
12	06/30/20	1/	\$1,673,878,317
13	07/31/20	1/	\$1,678,382,598
14 Balance at August 31, 2020		1/	\$1,682,886,878
15			
16 Rate Year 2 Plant in Service - 5 Quarter Average			<u>\$1,655,861,195</u>
17			
18 Balance at August 31, 2020			\$1,682,886,878
19			
20 Balance as of:	09/30/20	2/	\$1,687,391,159
21	10/31/20	2/	\$1,691,895,439
22	11/30/20	2/	\$1,696,399,720
23	12/31/20	2/	\$1,700,904,000
24	01/31/21	2/	\$1,705,408,281
25	02/28/21	2/	\$1,709,912,561
26	03/31/21	2/	\$1,714,416,842
27	04/30/21	2/	\$1,718,921,122
28	05/31/21	2/	\$1,723,425,403
29	06/30/21	2/	\$1,727,929,683
30	07/31/21	2/	\$1,732,433,964
31 Balance at August 31, 2021		2/	\$1,736,938,244
32			
33 Rate Year 3 Plant in Service - 5 Quarter Average			<u>\$1,709,912,561</u>
34			
35 1/ Rate Year 2 ending 08/31/20 Adjustment Detail:			
36 Plant Additions 12 Months Ended 08/31/2020			\$76,843,000
37 Plant Retirements 12 Months Ended 08/31/2020			<u>(\$22,791,634)</u>
38 Net Increase / (Decrease)			<u>\$54,051,366</u>
39			
40			
41 Monthly Increase / (Decrease)			<u>\$4,504,281</u>
42			
43 2/ Rate Year 3 ending 08/31/21 Adjustment Detail:			
44 Plant Additions 12 Months Ended 08/31/2021			\$76,843,000
45 Plant Retirements 12 Months Ended 08/31/2021			<u>(\$22,791,634)</u>
46 Net Increase / (Decrease)			<u>\$54,051,366</u>
47			
48			
49 Monthly Increase / (Decrease)			<u>\$4,504,281</u>

Line Notes

- 1 Page 6, Line 32
- 3 Line 1 + Line 41
- 4-14 Prior Month Balance + Line 41
- 16 Average of Lines 1, 5, 8, 11, and 14
- 18 Line 14
- 20 Line 18 + Line 49
- 21-31 Prior Month Balance + Line 49
- 33 Average of Lines 18, 22, 25, 28, and 31
- 36 Schedule MAL-6-ELEC Page 2, Line 27(b)
- 37 Schedule MAL-6-ELEC Page 2, Line 28(b)
- 38 Line 36 + Line 37
- 41 Line 38 divided by 12
- 44 Schedule MAL-6-ELEC Page 2, Line 48(b)
- 45 Schedule MAL-6-ELEC Page 2, Line 49(b)
- 46 Line 44+ Line 45
- 49 Line 46 divided by 12

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Accumulated Depreciation

	Description	Period	Accumulated Depreciation
		(a)	(b)
1	Balance at June 30, 2017		\$652,405,159
2			
3	Depreciation Expense 07/01/2017 - 08/31/2017		\$8,603,666
4	Less: Streetlights retired in the 2 Mos Ended 08/31/17 and Dep. for 2		(\$1,058,319)
5	Less: Net Cost of Removal / (Salvage)		(\$1,281,063)
6	Less: Retirements		(\$3,699,739)
7	Net Increase		\$2,564,545
8			
9	Balance at August 31, 2017		\$654,969,704
10			
11	Depreciation Expense 09/01/17 - 08/31/18		\$52,630,592
12	Less: Net Cost of Removal / (Salvage)		(\$7,689,971)
13	Less: Retirements		(\$22,208,815)
14	Net Increase / (Decrease)		\$22,731,806
15			
16	Balance at August 31, 2018		\$677,701,510
17			
18		09/30/18 1/	\$679,365,691
19		10/31/18 1/	\$681,029,872
20		11/30/18 1/	\$682,694,052
21		12/31/18 1/	\$684,358,233
22		01/31/19 1/	\$686,022,413
23		02/28/19 1/	\$687,686,594
24		03/31/19 1/	\$689,350,775
25		04/30/19 1/	\$691,014,955
26		05/31/19 1/	\$692,679,136
27		06/30/19 1/	\$694,343,316
28		07/31/19 1/	\$696,007,497
29	Balance at August 31, 2019	1/	\$697,671,678
30			
31	Rate Year Accumulated Depreciation - Five Quarter Average		<u>\$687,686,594</u>
32			
33	1/ Rate Year Ended 8/31/19 Depreciation Reserve Detail:		
34	Depreciation Expense		\$51,179,298
35	Plus: Unrecovered Reserve Adjustment		(\$247,009)
36	Net Cost of Removal / (Salvage)		(\$7,963,461)
37	Less: Retirements		(\$22,998,661)
38	Net Increase / (Decrease)		<u>\$19,970,167</u>
39			
40	Monthly Increase / (Decrease)		<u>\$1,664,181</u>

Line Notes

- 1 Schedule MAL-6-ELEC Page 1, Line 23(b)
- 3 Schedule MAL-6-ELEC Page 1, Line 24(b)
- 4 Schedule MAL-6-ELEC Page 1, Line 25(b)
- 5 Schedule MAL-6-ELEC Page 1, Line 25(b)
- 6 Schedule MAL-6-ELEC Page 1, Line 26(b)
- 7 Sum of Lines 3-6
- 8 Line 1 + Line 7
- 11 Schedule MAL-6-ELEC Page 1, Line 43(b)
- 12 Schedule MAL-6-ELEC Page 1, Line 44(b)
- 13 Schedule MAL-6-ELEC Page 1, Line 45(b)
- 14 Sum of Lines 11-13
- 16 Line 9 + Line 14
- 18 Line 16 + Line 40
- 19-29 Prior Month Balance + Line 340
- 31 Average of Lines 16, 20, 23, 26, and 29
- 34 Schedule MAL-6-ELEC Page 2, Line 16(b)
- 35 Schedule MAL-6-ELEC Page 2, Line 17(b)
- 36 Schedule MAL-6-ELEC Page 2, Line 18(b)
- 37 Schedule MAL-6-ELEC Page 2, Line 19(b)
- 38 Sum of Lines 33-36
- 40 Line 37 divided by 12

The Narragansett Electric Company d/b/a National Grid
Accumulated Depreciation Adjustments To Rate Base
Rate Year 1 Ending August 31, 2019 through Rate Year 3 Ending August 31, 2021

	Description	Period	Accumulated Depreciation
		(a)	(b)
1	Balance @ August 31, 2019		\$697,671,678
2			
3	Balance as of:	09/30/19 1/	\$699,503,676
4		10/31/19 1/	\$701,335,674
5		11/30/19 1/	\$703,167,672
6		12/31/19 1/	\$704,999,671
7		01/31/20 1/	\$706,831,669
8		02/28/20 1/	\$708,663,667
9		03/31/20 1/	\$710,495,665
10		04/30/20 1/	\$712,327,664
11		05/31/20 1/	\$714,159,662
12		06/30/20 1/	\$715,991,660
13		07/31/20 1/	\$717,823,658
14	Balance @ August 31, 2020	1/	\$719,655,657
15			
16	Rate Year 2 Accumulated Depreciation - 5 Quarter Average		<u>\$708,663,667</u>
17			
18	Balance @ August 31, 2020		\$719,655,657
19			
20	Balance as of:	09/30/20 2/	\$721,631,593
21		10/31/20 2/	\$723,607,529
22		11/30/20 2/	\$725,583,465
23		12/31/20 2/	\$727,559,401
24		01/31/21 2/	\$729,535,338
25		02/28/21 2/	\$731,511,274
26		03/31/21 2/	\$733,487,210
27		04/30/21 2/	\$735,463,146
28		05/31/21 2/	\$737,439,082
29		06/30/21 2/	\$739,415,019
30		07/31/21 2/	\$741,390,955
31	Balance @ August 31, 2021	2/	\$743,366,891
32			
33	Rate Year 3 Accumulated Depreciation - 5 Quarter Average		<u>\$731,511,274</u>
34			
35	1/ Rate Year 2 Ended 08/31/20 Depreciation Reserve Detail:		
36	Depreciation Expense 09/01/19 - 08/31/20		\$52,914,398
37	Plus: Unrecovered Reserve Adjustment		(\$247,009)
38	Net Cost of Removal / (Salvage)		(\$7,891,776)
39	Less: Retirements		<u>(\$22,791,634)</u>
40	Net Increase / (Decrease)		<u>\$21,983,979</u>
41			
42	Monthly Increase / (Decrease)		<u>\$1,831,998</u>
43			
44	2/ Rate Year 3 Ended 08/31/21 Depreciation Reserve Detail:		
45	Depreciation Expense 09/01/20 - 08/31/21		\$54,641,653
46	Plus: Unrecovered Reserve Adjustment		(\$247,009)
47	Net Cost of Removal / (Salvage)		(\$7,891,776)
48	Less: Retirements		<u>(\$22,791,634)</u>
49	Net Increase / (Decrease)		<u>\$23,711,235</u>
50			
51	Monthly Increase / (Decrease)		<u>\$1,975,936</u>

Line Notes

- 1 Page 8, Line 28
- 3 Line 1 + Line 42
- 4-14 Prior Month Balance + Line 42
- 16 Average of Lines 1, 5, 8, 11, and 14
- 18 Line 14
- 20 Line 18 + Line 51
- 21-31 Prior Month Balance + Line 51
- 33 Average of Lines 18, 22, 25, 28, and 31
- 36 Schedule MAL-6-ELEC Page 2 Line 37(b)
- 37 Schedule MAL-6-ELEC Page 2 Line 38(b)
- 38 Schedule MAL-6-ELEC Page 2 Line 39(b)
- 39 Schedule MAL-6-ELEC Page 2 Line 40(b)
- 40 Sum of Lines 36-39
- 42 Line 40 divided by 12
- 45 Schedule MAL-6-ELEC Page 2 Line 58(b)
- 46 Schedule MAL-6-ELEC Page 2 Line 59(b)
- 47 Schedule MAL-6-ELEC Page 2 Line 60(b)
- 48 Schedule MAL-6-ELEC Page 2 Line 61(b)
- 49 Sum of Lines 45-48
- 51 Line 49 divided by 12

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Other Rate Base Adjustments For 12 months ending August 31, 2019

Description	Period	CIAC (a)	Materials and Supplies (b)	Prepayments (c)	Loss on Reacquired Debt (d)	Customer Deposits (e)	Unamort Lock (f)	\$550M Unamort Issuance Costs (g)	\$250M Unamort Issuance Costs (h)	\$250M Apr 18 Unamort Issuance Costs (i)
1 Distribution Only Balance @ June 30, 2017		\$2,756	\$3,745,184	(\$134,403)	\$1,718,902	\$8,699,858	\$2,254,226	\$1,065,062	\$927,024	\$0
2										
3 Total Increase/(Decrease)		\$0	(\$83,241)	\$85,789	\$0	\$113,226	(\$369,732)	(\$97,871)	(\$36,473)	(\$29,678)
4										
5 Distribution Only Balance @ June 30, 2018		\$2,756	\$3,661,942	(\$48,614)	\$1,718,902	\$8,813,084	\$1,884,494	\$967,190	\$890,551	\$853,256
6										
7	07/31/18	\$2,756	\$3,655,005	(\$41,465)	\$1,495,075	\$8,822,520	\$1,853,683	\$959,034	\$887,512	\$850,783
8	08/31/18	\$2,756	\$3,648,068	(\$34,316)	\$1,483,027	\$8,831,955	\$1,822,872	\$950,878	\$884,472	\$848,309
9	09/30/18	\$2,756	\$3,641,132	(\$27,167)	\$1,470,979	\$8,841,391	\$1,792,061	\$942,722	\$881,433	\$845,836
10	10/31/18	\$2,756	\$3,634,195	(\$20,017)	\$1,458,930	\$8,850,826	\$1,761,250	\$934,567	\$878,394	\$843,363
11	11/30/18	\$2,756	\$3,627,258	(\$12,868)	\$1,446,882	\$8,860,262	\$1,730,439	\$926,411	\$875,354	\$840,890
12	12/31/18	\$2,756	\$3,620,321	(\$5,719)	\$1,434,833	\$8,869,697	\$1,699,628	\$918,255	\$872,315	\$838,417
13	01/31/19	\$2,756	\$3,613,385	\$1,430	\$1,422,785	\$8,879,133	\$1,668,817	\$910,099	\$869,275	\$835,943
14	02/28/19	\$2,756	\$3,606,448	\$8,579	\$1,410,736	\$8,888,568	\$1,638,006	\$901,943	\$866,236	\$833,470
15	03/31/19	\$2,756	\$3,599,511	\$15,728	\$1,398,688	\$8,898,004	\$1,601,195	\$893,787	\$863,196	\$830,997
16	04/30/19	\$2,756	\$3,592,574	\$22,877	\$1,386,639	\$8,907,439	\$1,576,384	\$885,631	\$860,157	\$828,524
17	05/31/19	\$2,756	\$3,585,637	\$30,026	\$1,374,591	\$8,916,875	\$1,546,573	\$877,475	\$857,118	\$826,051
18	06/30/19	\$2,756	\$3,578,701	\$30,026	\$1,362,542	\$8,926,310	\$1,514,762	\$869,319	\$854,078	\$823,577
19	07/31/19	\$2,756	\$3,571,764	\$37,175	\$1,350,494	\$8,935,746	\$1,483,951	\$861,163	\$851,039	\$821,104
20	08/31/19	\$2,756	\$3,564,827	\$0	\$1,338,446	\$8,945,182	\$1,453,140	\$853,007	\$847,999	\$818,631
21	09/30/19	\$2,756	\$3,557,890	\$0	\$1,326,397	\$8,954,617	\$1,422,329	\$844,851	\$844,960	\$816,158
22	10/31/19	\$2,756	\$3,550,953	\$0	\$1,314,349	\$8,964,053	\$1,391,518	\$836,695	\$841,920	\$813,685
23	11/30/19	\$2,756	\$3,544,017	\$0	\$1,302,300	\$8,973,488	\$1,360,707	\$828,539	\$838,881	\$811,211
24	12/31/19	\$2,756	\$3,537,080	\$0	\$1,290,252	\$8,982,924	\$1,329,896	\$820,383	\$835,842	\$808,738
25	01/31/20	\$2,756	\$3,530,143	\$0	\$1,278,203	\$8,992,359	\$1,299,085	\$812,227	\$832,802	\$806,265
26	02/29/20	\$2,756	\$3,523,206	\$0	\$1,266,155	\$9,001,795	\$1,268,274	\$804,071	\$829,763	\$803,792
27	03/31/20	\$2,756	\$3,516,270	\$0	\$1,254,106	\$9,011,230	\$1,237,463	\$795,916	\$826,723	\$801,319
28	04/30/20	\$2,756	\$3,509,333	\$0	\$1,242,058	\$9,020,666	\$1,206,652	\$787,760	\$823,684	\$798,845
29	05/31/20	\$2,756	\$3,502,396	\$0	\$1,230,010	\$9,030,101	\$1,175,841	\$779,604	\$820,644	\$796,372
30	06/30/20	\$2,756	\$3,495,459	\$0	\$1,217,961	\$9,039,537	\$1,145,030	\$771,448	\$817,605	\$793,899
31	07/31/20	\$2,756	\$3,488,522	\$0	\$1,205,913	\$9,048,972	\$1,114,219	\$763,292	\$814,566	\$791,426
32	08/31/20	\$2,756	\$3,481,586	\$0	\$1,193,864	\$9,058,408	\$1,083,408	\$755,136	\$811,526	\$788,953
33	09/30/20	\$2,756	\$3,474,649	\$0	\$1,181,816	\$9,067,843	\$1,052,597	\$746,980	\$808,487	\$786,479
34	10/31/20	\$2,756	\$3,467,712	\$0	\$1,169,767	\$9,077,279	\$1,021,786	\$738,824	\$805,447	\$784,006
35	11/30/20	\$2,756	\$3,460,775	\$0	\$1,157,719	\$9,086,714	\$990,975	\$730,668	\$802,408	\$781,533
36	12/31/20	\$2,756	\$3,453,838	\$0	\$1,145,670	\$9,096,150	\$960,164	\$722,512	\$799,368	\$779,060
37	01/31/21	\$2,756	\$3,446,902	\$0	\$1,133,622	\$9,105,585	\$929,353	\$714,356	\$796,329	\$776,587
38	02/28/21	\$2,756	\$3,439,965	\$0	\$1,121,573	\$9,115,021	\$898,542	\$706,200	\$793,290	\$774,113
39	03/31/21	\$2,756	\$3,433,028	\$0	\$1,109,525	\$9,124,457	\$867,731	\$698,044	\$790,250	\$771,640
40	04/30/21	\$2,756	\$3,426,091	\$0	\$1,097,477	\$9,133,892	\$836,920	\$689,888	\$787,211	\$769,167
41	05/31/21	\$2,756	\$3,419,154	\$0	\$1,085,428	\$9,143,328	\$806,109	\$681,732	\$784,171	\$766,694
42	06/30/21	\$2,756	\$3,412,218	\$0	\$1,073,380	\$9,152,763	\$775,298	\$673,576	\$781,132	\$764,221
43	07/31/21	\$2,756	\$3,405,281	\$0	\$1,061,331	\$9,162,199	\$744,487	\$665,420	\$778,092	\$761,747
44	08/31/21	\$2,756	\$3,398,344	\$0	\$1,049,283	\$9,171,634	\$713,676	\$657,265	\$775,053	\$759,274
45										
46 Rate Year 1 Amounts - Five Quarter Average		\$2,756	\$3,606,448	\$0	\$1,410,736	\$8,888,568	\$1,638,006	\$901,943	\$866,236	\$833,470
47										
48 Rate Year 2 Amounts - Five Quarter Average		\$2,756	\$3,516,270	\$0	\$1,254,106	\$9,011,230	\$1,237,463	\$795,916	\$826,723	\$801,319
49										
50 Rate Year 3 Amounts - Five Quarter Average		\$2,756	\$3,439,965	\$0	\$1,121,573	\$9,115,021	\$898,542	\$706,200	\$793,290	\$774,113
51										
52 Changes:										
53 Total Increase/(Decrease)		\$0	(\$128,866)	\$132,810	(\$223,827)	\$113,226	(\$369,732)	(\$97,871)	(\$36,473)	(\$29,678)
54										
55 Percentage Applicable to IFA		0.00%	35.40%	35.40%	35.40%	0.00%	0.00%	0.00%	0.00%	0.00%
56										
57 Less Amount Applicable to IFA		\$0	\$45,625	(\$47,021)	79,246	\$0	\$0	\$0	\$0	\$0
58										
59 Total Distribution Only Increase/(Decrease)		\$0	(\$83,241)	\$85,789	(\$144,581)	\$113,226	(\$369,732)	(\$97,871)	(\$36,473)	(\$29,678)
60										
61 Monthly Change		\$0	(6,937)	7,149	(12,048)	9,436	(30,811)	(8,156)	(3,039)	(\$2,473)

Line Notes

1(a) Page 2, Line 4(e)	7-44	Prior Month Balance + Line 61
1(b) Page 2, Line 10(e)	46	Average of Lines 8, 11, 14, 17, and 20
1(c) Page 2, Line 11(e)	48	Average of Lines 21, 24, 27, 30, and 33
1(d) Page 2, Line 12(e)	50	Average of Lines 32, 35, 38, 41, and 44
1(e) Page 2, Line 22(e)	53(b) - (e)	Adjustment based on average annual change for the prior 3 years
1(f) Page 2, Line 14(e)	53(f)	Workpaper MAL-3 Page 3, Line 10(a)-(l)
1(g) Page 2, Line 15(e)	53(g)	Workpaper MAL-3 Page 7, Line 9(c)-(20c) + Page 12 Lines 9(i)-(20(i))
1(h) Page 2, Line 16(e)	53(h)	Workpaper MAL-3 Page 17, Line 8(g) to Line 19(g)
3 Line 59	53(i)	Workpaper MAL-3 Page 22, Line 10(a)-(21(a))
	55	Per Company Books
	57	Line 53 x Line 55
	59	Line 53 + Line 57
	61	Line 59 divided by 12

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Five Quarter Average Ending June 30, 2017 through Rate Year 3 Ending August 31, 2019
Accumulated Deferred Tax Forecast

	Description	Period or		Accumulated
		Amount		Deferred
		(a)		Income Tax
				(b)
1	Balance at June 30, 2017			\$196,614,471
2	Impact of Federal Tax Reform on June 30, 2017 balance			(\$1,147,243)
3	Increase/(Decrease) 2 Month Ended		1/	\$2,914,141
4				
5	Balance at August 31, 2017			\$198,381,369
6				
7	Increase/(Decrease) 12 Month Ended		2/	\$5,851,406
8				
9	Balance at August 31, 2018			\$204,232,775
10				
11	Balance as of:	09/30/18	3/	\$204,234,003
12		10/31/18	3/	\$204,235,231
13		11/30/18	3/	\$204,236,459
14		12/31/18	3/	\$204,237,687
15		01/31/19	3/	\$204,238,915
16		02/28/19	3/	\$204,240,143
17		03/31/19	3/	\$204,241,372
18		04/30/19	3/	\$204,242,600
19		05/31/19	3/	\$204,243,828
20		06/30/19	3/	\$204,245,056
21		07/31/19	3/	\$204,246,284
22	Balance at August 31, 2019		3/	\$204,247,512
23				
24	Rate Year 1 Accumulated Deferred Income Tax - Five Quarter Average			\$204,240,143
25				
26		Book	Tax	Difference
27		(a)	(b)	(c)
28	1/ 2 Months Ending 08/30/17			
29	Depreciation	\$7,545,347	\$16,781,928	\$9,236,581
30	Income Tax Rate			31.55%
31	2 Month Change to Accumulated Deferred Taxes			\$2,914,141
32	Net Operating Loss Utilization			\$0
33	Proration Adjustment			\$0
34	Net Annual Change			\$2,914,141
35				
36	2/ 12 Months Ended 08/31/18:			
37	Depreciation	\$52,630,592	\$74,179,424	\$21,548,832
38	Income Tax Rate			27.15%
39	Annual Change to Accumulated Deferred Taxes			\$5,851,406
40	Net Operating Loss Utilization			\$0
41	Proration Adjustment			\$0
42	Net Annual Change			\$5,851,406
43				
44	3/ 12 Months Ended 08/31/19:			
45	Depreciation	\$51,179,298	\$72,928,339	\$21,749,042
46	Income Tax Rate			21.00%
47	Annual Change to Accumulated Deferred Taxes			\$4,567,299
48	Net Operating Loss Utilization			\$0
49	Proration Adjustment			(\$471,651)
50	Net Annual Change			\$4,095,648
51	Net of Amortization of Excess Deferred Tax		(\$4,080,912)	\$14,736
52	Monthly Change to Accumulated Deferred Taxes			\$1,228

Line Notes

- 1 Page 2, Line 20 + Line 21
- 3 Line 34(c)
- 5 Line 1 + Line 3
- 7 Line 42(c)
- 9 Line 5 + Line 7
- 11 Line 9(b) + Line 52(c)
- 12-22 Prior Month Balance + Line 52(c)
- 24 Average of Lines 9, 13, 16, 19, and 22
- 29(a) Schedule MAL-6-ELEC Page 1, Line 24(b) + Schedule MAL-6-ELEC Page 1, Line 25(b)
- 29(b) Page 14 Line 3(b)
- 30 Per Tax Dept
- 31 Line 29 x Line 30
- 33 Page 13 Line 3
- 34 Sum of Lines 31-33
- 37(a) Schedule MAL-6-ELEC Page 1, Line 43(b)
- 37(b) Page 14 Line 3(c)
- 38 Per Tax Dept
- 39 Line 37 x Line 38
- 41 Page 13 Line 3(c)
- 42 Sum of Lines 39-41
- 45(a) Schedule MAL-6-ELEC Page 2, Line 16(b)
- 45(b) Page 14 Line 3(d)
- 46 Per Tax Dept
- 47 Sum of Lines 47-49
- 49 Page 13, Line 3(d)
- 50 Sum of Lines 47-49
- 52 Line 50 divided by 12

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Five Quarter Average Ending June 30, 2017 through Rate Year 3 Ending August 31, 2019
Accumulated Deferred Tax Forecast

Description	Period or Amount (a)	Accumulated Deferred Income Tax (b)
1 Balance at August 31, 2019		\$204,247,512
2		
3 Balance as of:	09/30/19	1/ \$204,408,501
4	10/31/19	1/ \$204,569,491
5	11/30/19	1/ \$204,730,480
6	12/31/19	1/ \$204,891,470
7	01/31/20	1/ \$205,052,459
8	02/29/20	1/ \$205,213,448
9	03/31/20	1/ \$205,374,438
10	04/30/20	1/ \$205,535,427
11	05/31/20	1/ \$205,696,417
12	06/30/20	1/ \$205,857,406
13	07/31/20	1/ \$206,018,396
14 Balance @ August 31, 2020		1/ \$206,179,385
15		
16 Rate Year 2 Accumulated Deferred Income Tax - Five Quarter Average		\$205,213,448
17		
18 Balance as of:	09/30/20	2/ \$206,620,155
19	10/31/20	2/ \$207,060,924
20	11/30/20	2/ \$207,501,694
21	12/31/20	2/ \$207,942,464
22	01/31/21	2/ \$208,383,233
23	02/28/21	2/ \$208,824,003
24	03/31/21	2/ \$209,264,773
25	04/30/21	2/ \$209,705,542
26	05/31/21	2/ \$210,146,312
27	06/30/21	2/ \$210,587,081
28	07/31/21	2/ \$211,027,851
29 Balance @ August 31, 2021		2/ \$211,468,621
30		
31 Rate Year 3 Accumulated Deferred Income Tax - Five Quarter Average		\$208,968,558
32		
33	Book	Tax
34	(a)	(b)
35 1/ 12 Months Ended 08/31/20:		Difference
36 Depreciation	\$52,914,398	\$73,045,793
37 Income Tax Rate		21.00%
38 Annual Change to Accumulated Deferred Taxes		\$4,227,593
39 Net Operating Loss Utilization		\$2,507,967
40 Proration Adjustment		(\$722,774)
41 Net Annual Change		\$6,012,785
42 Net of Amortization of Excess Deferred Tax		(\$4,080,912)
43 Monthly Change to Accumulated Deferred Taxes		\$1,931,874
44		\$160,989
45 2/ 12 Months Ended 08/31/21:		
46 Depreciation	\$54,641,653	\$74,813,202
47 Income Tax Rate		21.00%
48 Annual Change to Accumulated Deferred Taxes		\$4,236,025
49 Net Operating Loss Utilization		\$9,804,674
50 Proration Adjustment		(\$4,670,552)
51 Net Annual Change		\$9,370,147
52 Net of Amortization of Excess Deferred Tax		(\$4,080,912)
53 Monthly Change to Accumulated Deferred Taxes		\$5,289,236
		\$440,770

Line Notes

1 Page 11, Line 22(b)	40 Page 13, Line 3(e)
3 Line 1(b) + Line 43(c)	41 Sum of Lines 38-40
4-14 Prior Month Balance + Line 43(c)	43 Line 41 divided by 12
16 Average of Lines 1, 5, 8, 11, and 14	46(a) Schedule MAL-6-ELEC Page 2, Line 58(b)
18 Line 14(b) + Line 53(c)	46(b) Page 14, Line 3(f)
19-29 Prior Month Balance + Line 53(c)	47 Per Tax Dept
31 Average of Lines 14, 20, 23, 26, and 29	48 Line 46 x Line 47
36(a) Schedule MAL-6-ELEC Page 2, Line 37(b)	49 Per Tax Dept
36(b) Page 14, Line 3(e)	50 Page 13, Line 3(f)
37 Per Tax Dept	51 Sum of Lines 48-50
38 Line 36 x Line 37	53 Line 51 divided by 12
39 Per Tax Dept	

The Narragansett Electric Company d/b/a National Grid
Proration Adjustment
Test Year through Rate Year 3

Description	2 Months Ending	12 Months Ending	Rate Year 1 Ending	Rate Year 2 Ending	Rate Year 3 Ending
	August 31, 2017	August 31, 2018	August 31, 2019	August 31, 2020	August 31, 2021
	(a)	(b)	(c)	(d)	(e)
1 Proration Adjustment	\$0	\$0	(\$471,651)	\$722,774	\$4,670,552
2					
3 Total	<u>\$0</u>	<u>\$0</u>	<u>(\$471,651)</u>	<u>\$722,774</u>	<u>\$4,670,552</u>
4					
5					
6 NOTE: Proration is not applicable to actual ADIT					
7					
8					
9					
10					
11					
12					
13 Deferred Tax Subject to Proration					
14 Book Depreciation	\$7,545,347	\$52,630,592	\$51,179,298	\$52,914,398	\$54,641,653
15 Bonus Depreciation	(\$4,778,726)	(\$2,393,451)	\$0	\$0	
16 Remaining MACRS Tax Depreciation	(\$7,805,758)	(\$46,660,816)	(\$47,023,284)	(\$47,340,524)	(\$49,107,933)
17					
18 Cumulative Book / Tax Timer	(\$5,039,136)	\$3,576,325	\$4,156,014	\$5,573,874	\$5,533,720
19 Effective Tax Rate	32%	27%	21%	21%	21%
20 Deferred Tax Reserve	(\$1,612,524)	\$965,608	\$872,763	\$1,170,514	\$1,162,081
21					
22 Net Operating Loss Utilization					
23					
24 Net Operating Loss Utilization				(\$11,942,698)	(\$46,688,922)
25 Effective Tax Rate			21%	21%	21%
26 Deferred Tax Reserve			\$0	(\$2,507,967)	(\$9,804,674)
27					
28 Total Accumulated Deferred Income Taxes Subject to Proration	\$0	\$0	\$872,763	(\$1,337,453)	(\$8,642,592)
29					
	<u>Number of Days</u>	<u>Proration</u>			
	<u>in Month</u>	<u>Percentage</u>			
	(a)	(b)			
30					
31					
32 Proration Calculation					
33 September	30	92%	\$0	\$0	\$66,752
34 October	31	83%	\$0	\$0	(\$102,294)
35 November	30	75%	\$0	\$0	(\$661,020)
36 December	31	67%	\$0	\$0	(\$599,851)
37 January	31	58%	\$0	\$0	(\$540,655)
38 February	28	50%	\$0	\$0	(\$83,667)
39 March	31	42%	\$0	\$0	(\$479,486)
40 April	30	34%	\$0	\$0	(\$418,317)
41 May	31	25%	\$0	\$0	(\$36,664)
42 June	30	17%	\$0	\$0	(\$56,185)
43 July	31	8%	\$0	\$0	(\$30,487)
44 August	31	0%	\$0	\$0	(\$46,719)
45 Total			\$0	\$0	(\$301,899)
46					
47 Deferred Tax Without Proration			\$872,763	(\$1,337,453)	(\$8,642,592)
48 Proration Adjustment			(\$471,651)	\$722,774	\$4,670,552

Line Notes

1 Line 48(b)	18	Sum of Lines 14-16
14(a) Page 11, Line 29(a)	19	Per Tax Dept
14(b) Page 11, Line 37(a)	20	Line 18 x Line 19
14(c) Page 11, Line 45(a)	24(d)	Page 12, Line 39(c) divided by 35%
14(d) Page 12, Line 36(a)	24(e)	Page 12, Line 49(c) divided by 35%
14(e) Page 12, Line 46(a)	25	Per Tax Dept
15(a) Page 15, Line 1(c)	28	Line 20 + Line 26
15(b) Page 15, Line 4(c)	33-44	Line 28 x Percent in Col B
15(c) Page 15, Line 7(c)	45	Sum of Lines 33-44
15(d) Page 15, Line 10(c)	47	Line 28
15(e) Page 15, Line 13(c)	48	Line 45 - Line 47
16(a) Page 15, Line 2(d)		
16(b) Page 15, Line 2(e) + Line 5(e)		
16(c) Page 15, Line 2(f) + Line 5(f) + Line 8(f)		
16(d) Page 15, Line 2(g) + Line 5(g) + Line 8(g) + Line 11(g)		
16(e) Page 15, Line 2(h) + Line 5(h) + Line 8(h) + Line 11(h) + Line 14(h)		

The Narragansett Electric Company d/b/a National Grid
Federal Tax Depreciation
Test Year through Rate Year 3
Estimated Additions

Description	Test Year Ending June 30, 2017 (a)	2 Months Ending August 31, 2017 (b)	12 Months Ending August 31, 2018 (c)	Rate Year 1 Ending August 31, 2019 (d)	Rate Year 2 Ending August 31, 2020 (e)	Rate Year 3 Ending August 31, 2021 (f)
1 Narragansett Electric Tax Depreciation of Embedded Plant	\$30,311,226	\$16,781,928	\$74,179,424	\$72,928,339	\$73,045,793	\$74,813,202
2						
3 Total	<u>\$30,311,226</u>	<u>\$16,781,928</u>	<u>\$74,179,424</u>	<u>\$72,928,339</u>	<u>\$73,045,793</u>	<u>\$74,813,202</u>

Line Notes

- 1(a) Per Tax Dept
- 1(b) Page 15, Line 16(d)
- 1(c) Page 15, Line 16(e)
- 1(d) Page 15, Line 16(f)
- 1(e) Page 15, Line 16(g)
- 1(f) Page 15, Line 16(h)

The Narragansett Electric Company d/b/a National Grid
Federal Tax Depreciation
Summary

	Narragansett Electric Company	Capital Additions (a)	Capital Repairs Current Deduct (b)	Yr 1 Bonus (c)	Total Tax Depreciation and Repairs Deduction				
					2 Months Ending August 31, 2017 (d)	12 Months Ending August 31, 2018 (e)	Rate Year 1 Ending August 31, 2019 (f)	Rate Year 2 Ending August 31, 2020 (g)	Rate Year 2 Ending August 31, 2021 (h)
1	Tax Depreciation on Existing Plant				\$7,626,556	\$44,251,489	\$40,495,216	\$36,853,608	\$34,980,126
2	Capital Repairs/Bonus 2 Months Ending August 31, 2017	\$12,473,833	\$2,916,382	\$4,778,726	\$7,695,108				
3	MACRS 2 Months Ending August 31, 2017				\$179,202	\$344,976	\$319,076	\$295,182	\$273,009
4	Cost of Removal Test 2 Months Ending August 31, 2017				\$1,281,063				
5	Capital Repairs/Bonus 12 Months Ending August 31, 2018	\$74,878,000	\$17,435,187	\$2,393,451		\$19,828,637			
6	MACRS 12 Months Ending August 31, 2018					\$2,064,351	\$3,974,014	\$3,675,646	\$3,400,399
7	Cost of Removal Test 2 Months Ending August 31, 2018					\$7,689,971			
8	Capital Repairs/Bonus 12 Months Ending August 31, 2019	\$77,541,000	\$17,941,595	\$0			\$17,941,595		
9	MACRS 12 Months Ending August 31, 2019						\$2,234,978	\$4,302,481	\$3,979,452
10	Cost of Removal Test 2 Months Ending August 31, 2019						\$7,963,461		
11	Capital Repairs/Bonus 12 Months Ending August 31, 2020	\$76,843,000	\$17,813,493	\$0				\$17,813,493	
12	MACRS 12 Months Ending August 31, 2020							\$2,213,607	\$4,261,340
13	Cost of Removal Test 2 Months Ending August 31, 2020							\$7,891,776	
14	Capital Repairs/Bonus 12 Months Ending August 31, 2021	\$76,843,000	\$17,813,493	\$0					\$17,813,493
15	MACRS 12 Months Ending August 31, 2021								\$2,213,607
16	Cost of Removal Test 2 Months Ending August 31, 2021								\$7,891,776
17	Total	\$318,578,833	\$73,920,150	\$7,172,176	\$16,781,928	\$74,179,424	\$72,928,339	\$73,045,793	\$74,813,202

Line Note

(d) - (f) Per Tax Dept	8(a) Page 18, Line 1(a)
2(a) Page 16, Line 1(a)	8(b) Page 18, Line 5(a)
2(b) Page 16, Line 5(a)	8(c) Page 18, Line 16(a)
2(c) Page 16, Line 16(a)	8(f) Line 7(b) + 7(c)
2(d) Sum of Line 1(b) & Line 1(c)	9(f) Page 18, Line 25(a)
3(d) Page 16, Line 24(a)	9(g) Page 18, Line 25(b)
3(e) Page 16, Line 24(b)	9(h) Page 18, Line 25(c)
3(f) Page 16, Line 24(c)	10(f) Page 18, Line 27(a)
3(g) Page 16, Line 24(d)	11(a) Page 19, Line 1(a)
3(h) Page 16, Line 24(e)	11(b) Page 19, Line 5(a)
4(d) Page 16, Line 26(a)	11(c) Page 19, Line 16(a)
5(a) Page 17, Line 1(a)	11(g) Line 10(b) + 10(c)
5(b) Page 17, Line 5(a)	12(g) Page 19, Line 25(a)
5(c) Page 17, Line 16(a)	12(h) Page 19, Line 25(b)
5(e) Line 4(b) + Line 4(c)	13(g) Page 19, Line 27(a)
6(e) Page 17, Line 24(a)	14(a) Page 20, Line 1(a)
6(f) Page 17, Line 24(b)	14(b) Page 20, Line 5(a)
6(g) Page 17, Line 24(c)	14(c) Page 20, Line 16(a)
6(h) Page 17, Line 24(d)	14(h) Line 13(b) + Line 13(c)
7(e) Page 17, Line 26(a)	16(h) Page 20, Line 27(a)

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 2 Months Ending August 31, 2017

	Reference	2 Months Ending August 31, 2017 (a)	12 Months Ending August 31, 2018 (b)	Rate Year 1 Ending August 31, 2019 (c)	Rate Year 2 Ending August 31, 2020 (d)	Rate Year 2 Ending August 31, 2021 (e)
<u>Capital Repairs Deduction</u>						
1	Plant Additions	Page 6, Line 7	\$12,473,833			
2						
3	Plant Eligible tfor Capital Repairs Deduction		\$12,473,833			
4	Capital Repairs Deduction Rate	Per Tax Department	23.38%			
5	Capital Repairs Deduction	Line 3 * Line 4	\$2,916,382			
6						
<u>Bonus Depreciation</u>						
7	Plant Additions	Line 1	\$12,473,833			
8	Less Capital Repairs Deduction	Line 5	\$2,916,382			
9	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$9,557,451			
10	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
11	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$9,557,451			
12	Bonus Depreciation Rate	Per Tax Department	50.00%			
13						
14						
15	Total Bonus Depreciation Rate	Line 12 * Line 13	\$4,778,726			
16						
<u>Remaining Tax Depreciation</u>						
17	Plant Additions	Line 1	\$12,473,833			
18	Less Capital Repairs Deduction	Line 5	(\$2,916,382)			
19	Less Bonus Depreciation	Line 14	(\$4,778,726)			
20	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Sum of Line 17 through 19	\$4,778,726	\$4,778,726	\$4,778,726	\$4,778,726
21	20 YR MACRS Tax Depreciation Rates		3.750%	7.219%	6.677%	6.177%
22	Remaining Tax Depreciation	Line 20 * Line 21	\$179,202	\$344,976	\$319,076	\$295,182
23						
24	Cost of Removal	Schedule MAL-6-ELEC Page 1, Line 25(b)	\$1,281,063			
25						
26	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 14 + Line 22 + Line 24	\$9,155,372	\$344,976	\$319,076	\$295,182
27						
28						\$273,009

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2018

	Reference	12 Months Ending August 31, 2018 (a)	Rate Year 1 Ending August 31, 2019 (b)	Rate Year 2 Ending August 31, 2020 (c)	Rate Year 2 Ending August 31, 2021 (d)
Capital Repairs Deduction					
1	Plant Additions	Page 6, Line 14	\$74,878,000		
2					
3	Plant Eligible tfor Capital Repairs Deduction		\$74,878,000		
4	Capital Repairs Deduction Rate	Per Tax Department	23.28%		
5	Capital Repairs Deduction	Line 3 * Line 4	\$17,435,187		
6					
Bonus Depreciation					
7					
8	Plant Additions	Line 1	\$74,878,000		
9	Less Capital Repairs Deduction	Line 5	\$17,435,187		
10	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$57,442,813		
11	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	8.33%		
12	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$4,786,901		
13	Bonus Depreciation Rate	Per Tax Department	50.00%		
14		8 months 2018 @ 40%	0.00%		
15		Sum of Lines 13 + 14	50.00%		
16	Total Bonus Depreciation Rate	Line 12 * Line 13	\$2,393,451		
17					
Remaining Tax Depreciation					
18					
19	Plant Additions	Line 1	\$74,878,000		
20	Less Capital Repairs Deduction	Line 5	(\$17,435,187)		
21	Less Bonus Depreciation		(\$2,393,451)		
22	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 8 - Line 9	\$55,049,363	\$55,049,363	\$55,049,363
23	20 YR MACRS Tax Depreciation Rates		3.750%	7.219%	6.677%
24	Remaining Tax Depreciation	Line 11 * Line 12	\$2,064,351	\$3,974,014	\$3,675,646
25					
26	Cost of Removal	Schedule MAL-6-ELEC Page 1, Line 44(b)	\$7,689,971		
27					
28	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 14 + Line 22 + Line 24	\$29,582,959	\$3,974,014	\$3,675,646
				\$3,400,399	

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2019

	Reference	Rate Year 1 Ending August 31, 2019 (a)	Rate Year 2 Ending August 31, 2020 (b)	Rate Year 2 Ending August 31, 2021 (c)
<u>Capital Repairs Deduction</u>				
1	Plant Additions	Page 6, Line 38	\$77,541,000	
2				
3	Plant Eligible for Capital Repairs Deduction		\$77,541,000	
4	Capital Repairs Deduction Rate	Per Tax Department	23.14%	
5	Capital Repairs Deduction	Line 3 * Line 4	\$17,941,595	
6				
<u>Bonus Depreciation</u>				
8	Plant Additions	Line 1	\$77,541,000	
9	Less Capital Repairs Deduction	Line 5	\$17,941,595	
10	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$59,599,405	
11	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%	
12	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$0	
13	Bonus Depreciation Rate	4 months 2018 @ 40% (40%*4/12)	13.33%	
14		8 months 2019 @ 30% (30%*8/12)	20.00%	
15		Sum of Lines 13 + 14	33.33%	
16	Total Bonus Depreciation Rate	Line 12 * Line 13	\$0	
17				
18				
<u>Remaining Tax Depreciation</u>				
20	Plant Additions	Line 1	\$77,541,000	
21	Less Capital Repairs Deduction	Line 5	(\$17,941,595)	
22	Less Bonus Depreciation	Line 14	\$0	
23	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 8 - Line 9	\$59,599,405	\$59,599,405
24	20 YR MACRS Tax Depreciation Rates		3.750%	7.219%
25	Remaining Tax Depreciation	Line 11 * Line 12	\$2,234,978	\$4,302,481
26				\$3,979,452
27	Cost of Removal	Schedule MAL-6-ELEC Page 2, Line 18(b)	\$7,963,461	
28				
29	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 13 + Line 15	\$28,140,034	\$4,302,481
				\$3,979,452

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2020

	Reference	Rate Year 2 Ending August 31, 2020 (a)	Rate Year 2 Ending August 31, 2021 (b)
<u>Capital Repairs Deduction</u>			
1	Plant Additions	Page 7, Line 36	\$76,843,000
2			
3	Plant Eligible for Capital Repairs Deduction		\$76,843,000
4	Capital Repairs Deduction Rate	Per Tax Department	23.18%
5	Capital Repairs Deduction	Line 3 * Line 4	\$17,813,493
6			
7	<u>Bonus Depreciation</u>		
8	Plant Additions	Line 1	\$76,843,000
9	Less Capital Repairs Deduction	Line 5	\$17,813,493
10	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$59,029,507
11	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%
12	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$0
13	Bonus Depreciation Rate	4 months 2019 @ 30% (30%*4/12)	10.00%
14		8 months 2020 @ 00% (00%*8/12)	0.00%
15		Sum of Lines 13 + 14	10.00%
16	Total Bonus Depreciation Rate	Line 12 * Line 13	\$0
17			
18			
19	<u>Remaining Tax Depreciation</u>		
20	Plant Additions	Line 1	\$76,843,000
21	Less Capital Repairs Deduction	Line 5	(\$17,813,493)
22	Less Bonus Depreciation	Line 14	\$0
23	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 8 - Line 9	\$59,029,507
24	20 YR MACRS Tax Depreciation Rates		3.750%
25	Remaining Tax Depreciation	Line 11 * Line 12	\$2,213,607
26			
27	Cost of Removal	Schedule MAL-6-ELEC Page 2, Line 39(b)	\$7,891,776
28			
29	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 13 + Line 15	\$27,918,876
			\$4,261,340

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2021

	Reference	Rate Year 2 Ending August 31, 2021 (a)
<u>Capital Repairs Deduction</u>		
1 Plant Additions	Page 7, Line 44	\$76,843,000
2		
3 Plant Eligible for Capital Repairs Deduction		\$76,843,000
4 Capital Repairs Deduction Rate	Per Tax Department	23.18%
5 Capital Repairs Deduction	Line 3 * Line 4	\$17,813,493
6		
<u>Bonus Depreciation</u>		
8 Plant Additions	Line 1	\$76,843,000
9 Less Capital Repairs Deduction	Line 5	\$17,813,493
10 Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$59,029,507
11 Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
12 Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$59,029,507
13 Bonus Depreciation Rate		0.00%
14		
15		
16 Total Bonus Depreciation Rate	Line 12 * Line 13	\$0
17		
18		
<u>Remaining Tax Depreciation</u>		
20 Plant Additions	Line 1	\$76,843,000
21 Less Capital Repairs Deduction	Line 5	(\$17,813,493)
22 Less Bonus Depreciation	Line 14	\$0
23 Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 8 - Line 9	\$59,029,507
24 20 YR MACRS Tax Depreciation Rates		3.750%
25 Remaining Tax Depreciation	Line 11 * Line 12	\$2,213,607
26		
27 Cost of Removal	Schedule MAL-6-ELEC Page 2, Line 60(b)	\$7,891,776
28		
29 Total Tax Depreciation and Repairs Deduction	Line 5 + Line 13 + Line 15	\$27,918,876

Schedule MAL-11-GAS (REV-2)

Rate Base – Gas

The Narragansett Electric Company d/b/a National Grid
Rate Base Summary
Five Quarter Average Ending June 30, 2017 through Data Year 2 Ending August 31, 2021

Description	Five Quarter Average Ending June 30, 2017 (a)	Adjustments (b)	Rate Year 1 Ending August 31, 2019 (c)	Data Year 1 Ending August 31, 2020 (d)	Data Year 2 Ending August 31, 2021 (e)
1 Gas Plant In Service	\$1,092,141,316	\$218,491,615	\$1,310,632,931	\$1,419,005,521	\$1,525,737,188
2 Normalizing Adjustment: Smallworld GIS ¹	\$3,996,550	\$0	\$3,996,550	\$3,996,550	\$3,996,550
3 Gas Plant In Service	\$1,096,137,866	\$218,491,615	\$1,314,629,481	\$1,423,002,071	\$1,529,733,738
4					
5 Construction Work In Progress	\$49,783,414	(\$5,570,043)	\$44,213,371	\$45,444,229	\$46,739,869
6					
7 Less: Accumulated Depreciation	\$389,907,868	\$37,784,310	\$427,692,178	\$456,506,781	\$488,970,386
8 Normalizing Adjustment: Smallworld GIS1	\$2,987,945	\$0	\$2,987,945	\$3,414,129	\$3,840,314
9 Test Year Adjusted Accumulated Depreciation	\$392,895,813	\$37,784,310	\$430,680,123	\$459,920,910	\$492,810,699
10					
11 Less: Contribution in Aid of Construction	\$38	(\$984)	(\$946)	(\$2,250)	(\$3,622)
12					
13 Net Plant	\$753,025,429	\$175,138,246	\$928,163,675	\$1,008,527,639	\$1,083,666,530
14					
15 Additions:					
16 Materials and Supplies	\$3,941,353	(\$1,261,179)	\$2,680,174	\$2,159,157	\$1,610,719
17 Prepaid Expenses, Excluding Taxes	\$393,734	(\$189,233)	\$204,501	\$276,014	\$351,290
18 Deferred Debits	\$411,653	(\$411,653)	\$0	\$0	\$0
19 Cash Working Capital	\$8,974,216	(\$2,132,953)	\$6,841,263	\$6,841,263	\$6,841,263
20 Unamortized Interest Lock expense \$550M	\$1,068,051	(\$350,778)	\$717,273	\$555,375	\$393,477
21 Unamortized Issuance Costs \$300M	\$406,500	(\$37,950)	\$368,550	\$351,035	\$333,519
22 Unamortized Issuance Costs \$250M	\$81,303	(\$54,906)	\$26,397	\$4,434	\$0
23 Unamortized Issuance Costs \$200M	\$274,996	(\$23,064)	\$251,932	\$241,287	\$230,642
24 Unamortized Issuance Costs \$250M	\$0	\$2,302,437	\$2,302,437	\$2,279,062	\$2,255,687
25 Unamortized Issuance Costs Mortgage Bonds	\$103,899	(\$49,670)	\$54,229	\$31,304	\$8,379
26 Total Additions	\$15,655,704	(\$2,208,948)	\$13,446,756	\$12,738,932	\$12,024,978
27					
28 Deductions:					
29 Accumulated Deferred FIT	\$111,588,901	\$44,670,046	\$156,258,947	\$171,302,991	\$188,533,417
30 Merger Hold Harmless Adjustment	\$22,255,350	(\$3,592,594)	\$18,662,756	\$16,576,053	\$14,145,381
31 Customer Deposits	\$2,342,658	(\$875,181)	\$1,467,477	\$1,208,830	\$936,570
32 Total Deductions	\$136,186,909	\$40,202,271	\$176,389,180	\$189,087,873	\$203,615,368
33					
34 Rate Base	\$632,494,225	\$132,727,026	\$765,221,251	\$832,178,698	\$892,076,141
35					
36 Total Rate Base			\$765,221,251	\$832,178,698	\$892,076,141

¹Gas Information System

Column Notes

- (a) Page 2 of 23 Column (f)
- (b) (c) minus (a)

Line Notes

- 1(c) Page 3 of 23 Line 30 Column (b)
- 1(d) Page 4 of 23 Line 16 Column (b)
- 1(e) Page 4 of 23 Line 33 Column (b)
- 5(c) Page 8 of 23 Line 47 Column (a)
- 5(d) Page 8 of 23 Line 48 Column (a)
- 5(e) Page 8 of 23 Line 49 Column (a)
- 8(d) 8(c) plus Schedule MAL-5-GAS (Rev-2) Page 1 of 1 Column Notes (e)
- 8(e) 8(d) plus Schedule MAL-5-GAS (Rev-2) Page 1 of 1 Column Notes (e)
- 11(c) Page 8 of 23 Line 47 Column (b)
- 11(d) Page 8 of 23 Line 48 Column (b)
- 11(e) Page 8 of 23 Line 49 Column (b)
- 16(c) Page 8 of 23 Line 47 Column (c)
- 16(d) Page 8 of 23 Line 48 Column (c)
- 16(e) Page 8 of 23 Line 49 Column (c)
- 17(c) Page 8 of 23 Line 47 Column (d)
- 17(d) Page 8 of 23 Line 48 Column (d)
- 17(e) Page 8 of 23 Line 49 Column (d)
- 18(c) Page 8 of 23 Line 47 Column (e)
- 18(d) Page 8 of 23 Line 48 Column (e)
- 18(e) Page 8 of 23 Line 49 Column (e)
- 19(c) Cash Working Capital Page 1 of 25 Line 15 Column CWC Dollars
- 20(c) Page 8 of 23 Line 47 Column (g)
- 20(d) Page 8 of 23 Line 48 Column (g)
- 20(e) Page 8 of 23 Line 49 Column (g)
- 21(c) Page 8 of 23 Line 47 Column (h)
- 21(d) Page 8 of 23 Line 48 Column (h)
- 21(e) Page 8 of 23 Line 49 Column (h)
- 22(c) Page 8 of 23 Line 47 Column (i)
- 22(d) Page 8 of 23 Line 48 Column (i)
- 22(e) Page 8 of 23 Line 49 Column (i)
- 23(c) Page 8 of 23 Line 47 Column (j)
- 23(d) Page 8 of 23 Line 48 Column (j)
- 23(e) Page 8 of 23 Line 49 Column (j)
- 24(c) Page 8 of 23 Line 47 Column (k)
- 24(d) Page 8 of 23 Line 48 Column (k)
- 24(e) Page 8 of 23 Line 49 Column (k)
- 25(c) Page 8 of 23 Line 47 Column (l)
- 25(d) Page 8 of 23 Line 48 Column (l)
- 25(e) Page 8 of 23 Line 49 Column (l)
- 29(c) Page 11 of 23 Line 24 Column (e)
- 29(d) Page 12 of 23 Line 16 Column (e)
- 29(e) Page 12 of 23 Line 31 Column (e)
- 30(c) Page 9 of 23 Line 24 Column (c)
- 30(d) Page 10 of 23 Line 15 Column (c)
- 30(e) Page 10 of 23 Line 31 Column (c)
- 31(c) Page 8 of 23 Line 47 Column (f)
- 31(d) Page 8 of 23 Line 48 Column (f)
- 31(e) Page 8 of 23 Line 49 Column (f)

The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Five-Quarter Average Ending June 31, 2017

Description	June 2016 (a)	September 2016 (b)	Quarter Ending December 2016 (c)	March 2017 (d)	June 2017 (e)	Five Quarter Average (f)
1 Gas Plant In Service	\$1,064,548,669	\$1,082,547,975	\$1,092,122,373	\$1,103,935,113	\$1,117,552,449 1/	\$1,092,141,316
2 Normalizing Adjustment: Smallworld GIS	\$0	\$0	\$0	\$9,991,374	\$9,991,374	\$3,996,550
3 Test Year Adjusted Gas Plant in Service	\$1,064,548,669	\$1,082,547,975	\$1,092,122,373	\$1,113,926,487	\$1,127,543,823	\$1,096,137,866
4						
5 Construction Work In Progress	\$45,838,370	\$51,024,819	\$59,381,840	\$49,279,243	\$43,392,799	\$49,783,414
6						
7 Less: Accumulated Depreciation	\$394,425,115	\$394,671,874	\$394,265,448	\$388,553,414	\$377,623,487	\$389,907,868
8 Normalizing Adjustment: Smallworld GIS	\$0	\$0	\$0	\$7,523,135	\$7,416,589	\$2,987,945
9 Test Year Adjusted Accumulated Depreciation	\$394,425,115	\$394,671,874	\$394,265,448	\$396,076,549	\$385,040,076	\$392,895,813
10						
11 Less: Contribution in Aid of Construction	\$38	\$38	\$38	\$38	\$38	\$38
12						
13 Net Plant	\$715,961,886	\$738,900,882	\$757,238,727	\$767,129,143	\$785,896,508	\$753,025,429
14						
15 Additions:						
16 Materials and Supplies	\$4,721,557	\$4,722,950	\$3,891,605	\$3,297,430	\$3,073,221	\$3,941,353
17 Prepaid Expenses, Excluding Taxes	\$172,681	\$97,000	\$853,452	\$694,983	\$150,553	\$393,734
18 Deferred Debits	\$764,498	\$588,076	\$411,653	\$235,230	\$58,807	\$411,653
19 Cash Working Capital	\$8,974,216	\$8,974,216	\$8,974,216	\$8,974,216	\$8,974,216	\$8,974,216
20 Unamortized Interest Lock expense \$550M	\$1,149,000	\$1,108,526	\$1,068,051	\$1,027,577	\$987,102	\$1,068,051
21 Unamortized Issuance Costs \$300M	\$415,258	\$410,879	\$406,500	\$402,121	\$397,742	\$406,500
22 Unamortized Issuance Costs \$250M	\$93,973	\$87,638	\$81,303	\$74,967	\$68,632	\$81,303
23 Unamortized Issuance Costs \$200M	\$280,318	\$277,657	\$274,996	\$272,335	\$269,674	\$274,996
24 Unamortized Issuance Costs \$250M	\$0	\$0	\$0	\$0	\$0	\$0
25 Unamortized Issuance Costs Mortgage Bonds	\$115,362	\$109,631	\$103,899	\$98,168	\$92,437	\$103,899
26 Total Additions	\$16,686,863	\$16,376,572	\$16,065,675	\$15,077,027	\$14,072,384	\$15,655,704
27						
28 Deductions:						
29 Accumulated Deferred FIT	\$93,485,567	\$91,026,451	\$128,345,105	\$122,162,393	\$122,924,988	\$111,588,901
30 Hold Harmless	\$22,928,782	\$22,610,421	\$22,292,061	\$21,912,516	\$21,532,971	\$22,255,350
32 Customer Deposits	\$1,912,168	\$3,005,416	\$2,524,080	\$2,359,458	\$1,912,168	\$2,342,658
33 Total Deductions	\$118,326,517	\$116,642,288	\$153,161,246	\$146,434,367	\$146,370,127	\$136,186,909
34						
35 Rate Base	\$614,322,232	\$638,635,166	\$620,143,156	\$635,771,804	\$653,598,765	\$632,494,225
36						
37 Total Rate Base						\$632,494,225
38						
39					\$1,123,631,722	
40					Asset Retirement Obligation (ARO)	(\$6,079,273)
41					Net Utility Plant	\$1,117,552,449

Column Notes

(a) through (e) PER ESM Q1 filing RIPUC docket number 4708 schedule except as indicated in line notes
(f) ((a)+(b)+(c)+(d)+(e)) / 5

Line Notes

5(e) NECO FERC FORM 3Q JUNE 2017_FINAL page 201 Line 11 Column (d)
7(e) Schedule MAL-6-GAS (Rev-2) Page 5 of 5 Line 70 Column (d) less line 8 Column (e)
8(d) Schedule MAL-5-GAS (Rev-2) Page 1 of 1 Column Notes Acc. Amortization
8(e) 8(d) less Schedule MAL-5-GAS (Rev-2) Page 1 of 1 Column Notes (b) 3 mc
20(a) Workpaper MAL-3 Page 5 of 27 Line 5 Column (a)
20(b) Workpaper MAL-3 Page 5 of 27 Line 15 Column (c)
20(c) Workpaper MAL-3 Page 5 of 27 Line 15 Column (f)
20(d) Workpaper MAL-3 Page 5 of 27 Line 15 Column (i)
20(e) Workpaper MAL-3 Page 5 of 27 Line 5 Column (l)
21(a) Workpaper MAL-3 Page 9 of 27 Line 27 Column (b)
21(b) Workpaper MAL-3 Page 9 of 27 Line 30 Column (b)
21(c) Workpaper MAL-3 Page 9 of 27 Line 33 Column (b)
21(d) Workpaper MAL-3 Page 9 of 27 Line 36 Column (b)
21(e) Workpaper MAL-3 Page 9 of 27 Line 27 Column (c)
22(a) Workpaper MAL-3 Page 14 of 27 Line 27 Column (h)
22(b) Workpaper MAL-3 Page 14 of 27 Line 30 Column (h)
22(c) Workpaper MAL-3 Page 14 of 27 Line 33 Column (h)
22(d) Workpaper MAL-3 Page 14 of 27 Line 36 Column (h)
22(e) Workpaper MAL-3 Page 14 of 27 Line 27 Column (i)
23(a) Workpaper MAL-3 Page 19 of 27 Line 26 Column (f)
23(b) Workpaper MAL-3 Page 19 of 27 Line 29 Column (f)
23(c) Workpaper MAL-3 Page 19 of 27 Line 32 Column (f)
23(d) Workpaper MAL-3 Page 19 of 27 Line 35 Column (f)
23(e) Workpaper MAL-3 Page 19 of 27 Line 26 Column (g)
25(a) Workpaper MAL-3 Page 27 of 27 Line 31 Column (j)
25(b) Workpaper MAL-3 Page 27 of 27 Line 34 Column (j)
25(c) Workpaper MAL-3 Page 27 of 27 Line 37 Column (j)
25(d) Workpaper MAL-3 Page 27 of 27 Line 40 Column (j)
25(e) Workpaper MAL-3 Page 27 of 27 Line 31 Column (k)
29(a) through (e) Per Tax Department
30(a) Page 21 of 23 Line 1 Column (e)
30(b) Page 21 of 23 Line 2 Column (e)
30(c) Page 21 of 23 Line 3 Column (e)
30(d) Page 21 of 23 Line 4 Column (e)
30(e) Page 21 of 23 Line 5 Column (e)
39 NECO FERC FORM 3Q JUNE 2017_FINAL page 201 Line 8 Column (d)
40 Schedule MAL-6-GAS (Rev-2) Line 17 Column (b) ARO total in FY 2018 ESM Q1 differs from Ratebase-Depreciation-Gas

The Narragansett Electric Company d/b/a National Grid
Plant Adjustments to Rate Base
Test Year Ending June 31, 2017 through Rate Year 1 Ending August 31, 2019
Gas Plant in Service Forecast

	Description	Period		Gas Plant in Service
		(a)		(b)
1	Balance at June 30, 2017			\$1,127,543,823
2				
3	Subsequent 2 months			
4	Plus: Added Plant 2 Months Ended 08/31/2017			\$19,087,111
5	Less: Retired Plant 2 Months Ended 08/31/2017			(\$1,311,285)
6	Depreciable Utility Plant 08/31/17			<u>\$17,775,827</u>
7				
8	Balance at August 31, 2017			\$1,145,319,650
9				
10	Activity prior to Rate Year 1			
11	Plus: Plant Additions 12 Months Ended 08/31/2018			\$118,238,399
12	Less: Plant Retirements 12 Months Ended 08/31/2018	1/		(\$8,122,978)
13	Net Increase / (Decrease)			<u>\$110,115,421</u>
14				
15	Balance at August 31, 2018			\$1,255,435,071
16				
17	Balance as of:	09/30/18	2/	\$1,264,634,714
18		10/31/18	2/	\$1,273,834,357
19		11/30/18	2/	\$1,283,034,001
20		12/31/18	2/	\$1,292,233,644
21		01/31/19	2/	\$1,301,433,288
22		02/28/19	2/	\$1,310,632,931
23		03/31/19	2/	\$1,319,832,575
24		04/30/19	2/	\$1,329,032,218
25		05/31/19	2/	\$1,338,231,861
26		06/30/19	2/	\$1,347,431,505
27		07/31/19	2/	\$1,356,631,148
28	Balance at August 31, 2019		2/	\$1,365,830,792
29				
30	Rate Year Plant in Service - 5 Quarter Average			<u><u>\$1,310,632,931</u></u>
31				
32	1/ 3 year average retirement over plant addition in service FY 15 ~ FY17			
33				
34	2/ Rate Year 1 ending 08/31/19 Adjustment Detail:			
35	Plant Additions 12 Months Ended 08/31/2019			\$118,539,376
36	Plant Retirements 12 Months Ended 08/31/2019			(\$8,143,655)
37	Net Increase / (Decrease)			<u><u>\$110,395,721</u></u>
38				
39	Monthly Increase / (Decrease)			<u><u>\$9,199,643</u></u>

Line Notes

- 1(b) Page 2 of 23 Line 1 Column (e)
- 4(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 13 Column (a)
- 5(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 14 Column (a)
- 11(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 32 Column (a)
- 12(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 33 Column (a)
- 35(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 6 Column (a)
- 36(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 7 Column (a)

The Narragansett Electric Company d/b/a National Grid
Plant Adjustments to Rate Base
Rate Year 1 Ending August 31, 2019 through Data Year 2 Ending August 31, 2021
Gas Plant in Service Forecast

Description	Period	Gas Plant in Service
	(a)	(b)
1 Balance at August 31, 2019		\$1,365,830,792
2		
3 Balance as of:	09/30/19 1/	\$1,374,693,247
4	10/31/19 1/	\$1,383,555,701
5	11/30/19 1/	\$1,392,418,156
6	12/31/19 1/	\$1,401,280,611
7	01/31/20 1/	\$1,410,143,066
8	02/28/20 1/	\$1,419,005,521
9	03/31/20 1/	\$1,427,867,976
10	04/30/20 1/	\$1,436,730,431
11	05/31/20 1/	\$1,445,592,886
12	06/30/20 1/	\$1,454,455,340
13	07/31/20 1/	\$1,463,317,795
14 Balance at August 31, 2020	1/	\$1,472,180,250
15		
16 Data Year 1 Plant in Service - 5 Quarter Average		\$1,419,005,521
17		
18 Balance at August 31, 2020		\$1,472,180,250
19		
20 Balance as of:	09/30/20 2/	\$1,481,106,407
21	10/31/20 2/	\$1,490,032,563
22	11/30/20 2/	\$1,498,958,719
23	12/31/20 2/	\$1,507,884,875
24	01/31/21 2/	\$1,516,811,032
25	02/28/21 2/	\$1,525,737,188
26	03/31/21 2/	\$1,534,663,344
27	04/30/21 2/	\$1,543,589,501
28	05/31/21 2/	\$1,552,515,657
29	06/30/21 2/	\$1,561,441,813
30	07/31/21 2/	\$1,570,367,969
31 Balance at August 31, 2021	2/	\$1,579,294,126
32		
33 Data Year 2 Plant in Service - 5 Quarter Average		\$1,525,737,188
34		
35 1/ Data Year 1 ending 08/31/20 Adjustment Detail:		
36 Plant Additions 12 Months Ended 08/31/2020		\$114,194,630
37 Plant Retirements 12 Months Ended 08/31/2020		(\$7,845,171)
38 Net Increase / (Decrease)		\$106,349,459
39		
40		
41 Monthly Increase / (Decrease)		\$8,862,455
42		
43 2/ Data Year 2 ending 08/31/21 Adjustment Detail:		
44 Plant Additions 12 Months Ended 08/31/2021		\$115,015,436
45 Plant Retirements 12 Months Ended 08/31/2021		(\$7,901,560)
46 Net Increase / (Decrease)		\$107,113,875
47		
48		
49 Monthly Increase / (Decrease)		\$8,926,156

Line Notes

- 36(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 27 Column (a)
- 37(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 28 Column (a)
- 44(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 48 Column (a)
- 45(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 49 Column (a)

The Narragansett Electric Company of/b/a National Grid
Adjustments to Rate Base
Analysis of Test Year through Rate Year Capital Investment

	FY18 (a) 04/01/17-06/30/17	FY18 (b) 07/01/17-03/31/18	FY19 (c) 04/01/18-08/31/18	FY19 (d) 09/01/18-03/31/19	FY20 (e) 04/01/19-03/31/19	Rate Year 1 (f)=(d)+(e) 09/01/18-08/31/19	FY20 (g) 09/01/19-03/31/20	FY21 (h) 04/01/20-08/31/20	Data Year 1 (i)=(g)+(h) 09/01/19-08/31/20	FY21 (j) 09/01/20-03/31/21	FY22 (k) 04/01/21-08/31/21	Data Year 2 (l)=(j)+(k) 09/01/20-08/31/21
Distribution												
1 FY 2018 Approved RSR Plan	\$21,057,000	\$72,140,000	\$38,823,750	\$54,353,250	\$38,823,750	\$93,177,000	\$54,353,250	\$38,823,750	\$93,177,000	\$54,353,250	\$38,823,750	\$93,177,000
2 Gas Expansion	\$0	\$540,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3 Growth (adj) DYS (6-24)	\$4,564,000	\$13,163,000	\$12,690,760	\$14,821,900	\$9,192,476	\$24,014,376	\$11,210,650	\$9,056,980	\$20,267,630	\$11,121,216	\$9,967,220	\$21,088,436
4 Total Distribution	\$25,601,000	\$85,743,000	\$51,433,510	\$69,175,150	\$48,016,226	\$117,191,376	\$65,563,900	\$47,880,730	\$113,444,630	\$65,474,466	\$48,790,970	\$114,265,436
5 General Plant	\$0	\$0	\$0	\$624,167	\$445,833	\$1,070,000	\$437,500	\$312,500	\$750,000	\$437,500	\$312,500	\$750,000
7 Facilities	\$0	\$149,000	\$0	\$0	\$0	\$278,000	\$0	\$0	\$0	\$0	\$0	\$0
8 IS	\$0	\$149,000	\$0	\$0	\$0	\$1,348,000	\$437,500	\$312,500	\$750,000	\$437,500	\$312,500	\$750,000
9 Total General	\$0	\$149,000	\$0	\$0	\$0	\$1,348,000	\$437,500	\$312,500	\$750,000	\$437,500	\$312,500	\$750,000
10	\$25,601,000	\$85,892,000	\$51,433,510	\$70,077,316	\$48,462,060	\$118,539,376	\$66,001,400	\$48,193,230	\$114,194,630	\$65,911,966	\$49,103,470	\$115,015,436
11 Distribution and General												

Line Notes:

2(b) FY18 gas expansion/Southern RI Capacity/engineering not included in RSR

3 Per Company Books

7 Per Company Books

8(b) RI Gas Only Physical Security Replacements - FY18

8(d) RI Gas Only Physical Security Replacements - FY19

The Narragansett Electric Company d/b/a National Grid
Accumulated Depreciation Adjustments To Rate Base
Test Year Ending June 31, 2017 through Rate Year 1 Ending August 31, 2019

	Description	Period	Accumulated Depreciation
		(a)	(b)
1	Balance at June 30, 2017		\$385,040,076
2			
3	Depreciation Expense 07/01/2017 - 08/31/2017		\$6,232,539
4	Less: Net Cost of Removal / (Salvage)		(\$988,712)
5	Less: Retirements		(\$1,311,285)
6	Net Increase / (Decrease)		\$3,932,542
7			
8	Balance at August 31, 2017		\$388,972,619
9			
10	Depreciation Expense 09/01/17 - 08/31/18		\$39,556,596
11	Less: Net Cost of Removal / (Salvage)		(\$6,124,749)
12	Less: Retirements		(\$8,122,978)
13	Net Increase / (Decrease)		\$25,308,869
14			
15	Balance at August 31, 2018		\$414,281,488
16			
17	Balance as of:	09/30/18 1/	\$416,516,603
18		10/31/18 1/	\$418,751,718
19		11/30/18 1/	\$420,986,833
20		12/31/18 1/	\$423,221,948
21		01/31/19 1/	\$425,457,063
22		02/28/19 1/	\$427,692,178
23		03/31/19 1/	\$429,927,293
24		04/30/19 1/	\$432,162,408
25		05/31/19 1/	\$434,397,523
26		06/30/19 1/	\$436,632,638
27		07/31/19 1/	\$438,867,753
28	Balance at August 31, 2019	1/	\$441,102,868
29			
30	Rate Year Accumulated Depreciation - 5 Quarter Average		\$427,692,178
31			
32			
33	1/ Rate Year Ended 08/31/19 Depreciation Reserve Detail:		
34	Depreciation Expense 09/01/18 - 08/31/19		\$40,918,876
35	Plus: Unrecovered Reserve Adjustment		\$186,500
36	Net Cost of Removal / (Salvage)		(\$6,140,340)
37	Less: Retirements		(\$8,143,655)
38	Net Increase / (Decrease)		\$26,821,381
39			
40	Monthly Increase / (Decrease)		\$2,235,115

Line Notes

- 1(b) Page 2 of 23 Line 7 Column (e)
- 3(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 22 Column (a)
- 4(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 23 Column (a)
- 5(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 24 Column (a)
- 10(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 41 Column (a)
- 11(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 42 Column (a)
- 12(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 43 Column (a)
- 34(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 16 Column (a)
- 35(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 17 Column (a)
- 36(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 18 Column (a)
- 37(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 19 Column (a)

The Narragansett Electric Company d/b/a National Grid
Accumulated Depreciation Adjustments To Rate Base
Rate Year 1 Ending August 31, 2019 through Data Year 2 Ending August 31, 2021

	Description	<u>Period</u>	<u>Accumulated Depreciation</u>
		(a)	(b)
1	Balance at August 31, 2019		\$441,102,868
2			
3	Balance as of:	09/30/19 1/	\$443,670,187
4		10/31/19 1/	\$446,237,506
5		11/30/19 1/	\$448,804,825
6		12/31/19 1/	\$451,372,143
7		01/31/20 1/	\$453,939,462
8		02/28/20 1/	\$456,506,781
9		03/31/20 1/	\$459,074,099
10		04/30/20 1/	\$461,641,418
11		05/31/20 1/	\$464,208,737
12		06/30/20 1/	\$466,776,056
13		07/31/20 1/	\$469,343,374
14	Balance at August 31, 2020	1/	\$471,910,693
15			
16	Data Year 1 Accumulated Depreciation - 5 Quarter Average		<u>\$456,506,781</u>
17			
18	Balance at August 31, 2020		\$471,910,693
19			
20	Balance as of:	09/30/20 2/	\$474,753,975
21		10/31/20 2/	\$477,597,257
22		11/30/20 2/	\$480,440,539
23		12/31/20 2/	\$483,283,821
24		01/31/21 2/	\$486,127,104
25		02/28/21 2/	\$488,970,386
26		03/31/21 2/	\$491,813,668
27		04/30/21 2/	\$494,656,950
28		05/31/21 2/	\$497,500,232
29		06/30/21 2/	\$500,343,514
30		07/31/21 2/	\$503,186,796
31	Balance at August 31, 2021	2/	\$506,030,078
32			
33	Data Year 2 Accumulated Depreciation - 5 Quarter Average		<u>\$488,970,386</u>
34			
35	1/ Data Year 1 Ended 08/31/20 Depreciation Reserve Detail:		
36	Depreciation Expense 09/01/19 - 08/31/20		\$44,381,777
37	Plus: Unrecovered Reserve Adjustment		\$186,500
38	Net Cost of Removal / (Salvage)		(\$5,915,282)
39	Less: Retirements		<u>(\$7,845,171)</u>
40	Net Increase / (Decrease)		<u>\$30,807,824</u>
41			
42	Monthly Increase / (Decrease)		<u>\$2,567,319</u>
43			
44	2/ Data Year 2 Ended 08/31/21 Depreciation Reserve Detail:		
45	Depreciation Expense 09/01/20 - 08/31/21		\$47,792,245
46	Plus: Unrecovered Reserve Adjustment		\$186,500
47	Net Cost of Removal / (Salvage)		(\$5,957,800)
48	Less: Retirements		<u>(\$7,901,560)</u>
49	Net Increase / (Decrease)		<u>\$34,119,385</u>
50			
51	Monthly Increase / (Decrease)		<u>\$2,843,282</u>

Line Notes

- 36(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 37 Column (a)
- 37(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 38 Column (a)
- 38(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 39 Column (a)
- 39(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 40 Column (a)
- 45(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 58 Column (a)
- 46(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 59 Column (a)
- 47(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 60 Column (a)
- 48(b) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 61 Column (a)

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

Description	<u>Period</u> (a)	<u>Monthly Expense</u> (b)	<u>Merger Hold Harmless Rate Base Credit</u> (c)
1 Balance at June 30, 2017			\$21,532,971
2			
3 Subsequent 2 months			<u>(\$253,030)</u>
4			
5 Balance at August 31, 2017			\$21,279,942
6			
7			
8 Increase/(Decrease) 12 Months Ended	08/31/18		(\$1,674,988)
9			
10 Balance at August 31, 2018			\$19,604,953
11	09/30/18	(\$146,116)	\$19,458,837
12	10/31/18	(\$146,116)	\$19,312,721
13	11/30/18	(\$146,116)	\$19,166,605
14	12/31/18	(\$146,116)	\$19,020,489
15	01/31/19	(\$167,950)	\$18,852,539
16	02/28/19	(\$167,950)	\$18,684,590
17	03/31/19	(\$167,950)	\$18,516,640
18	04/30/19	(\$167,950)	\$18,348,691
19	05/31/19	(\$167,950)	\$18,180,741
20	06/30/19	(\$167,950)	\$18,012,792
21	07/31/19	(\$167,950)	\$17,844,842
22 Balance at August 31, 2019	08/31/19	(\$167,950)	\$17,676,893
23			
24 Rate Year 1 Merger Hold Harmless - 5 Quarter Average			<u><u>\$18,662,756</u></u>

Line Notes

- 1(c) Page 21 of 23 Line 5 Column (e)
- 3(c) Page 21 of 23 Line 6 Column (f) divide by 3 times 2
- 5(c) Line 1 + Line 8
- 11(b) Page 21 of 23 Line 10 Column (f) divide by 3 times 1
- 12(b) Page 21 of 23 Line 11 Column (f) divide by 3 times 1
- 13(b) Page 21 of 23 Line 11 Column (f) divide by 3 times 1
- 14(b) Page 21 of 23 Line 11 Column (f) divide by 3 times 1
- 15(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1
- 16(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1
- 17(b) Page 21 of 23 Line 12 Column (f) divide by 3 times 1
- 18(b) Page 21 of 23 Line 13 Column (f) divide by 3 times 1
- 19(b) Page 21 of 23 Line 13 Column (f) divide by 3 times 1
- 20(b) Page 21 of 23 Line 13 Column (f) divide by 3 times 1
- 21(b) Page 21 of 23 Line 14 Column (f) divide by 3 times 1
- 22(b) Page 21 of 23 Line 14 Column (f) divide by 3 times 1

The Narragansett Electric Company d/b/a National Grid
Merger Hold Harmless Rate Base Credit Adjustments To Rate Base
Rate Year 1 Ending August 31, 2019 through Data Year 2 Ending August 31, 2021

	Description	Period (a)	Monthly Expense (b)	Merger Hold Harmless Rate Base Credit (c)
1	Balance at August 31, 2019			\$17,676,893
2		09/30/19	(\$167,950)	\$17,508,943
3		10/31/19	(\$167,950)	\$17,340,994
4		11/30/19	(\$167,950)	\$17,173,044
5		12/31/19	(\$167,950)	\$17,005,095
6		01/31/20	(\$198,997)	\$16,806,098
7		02/29/20	(\$198,997)	\$16,607,100
8		03/31/20	(\$198,997)	\$16,408,103
9		04/30/20	(\$198,997)	\$16,209,106
10		05/31/20	(\$198,997)	\$16,010,109
11		06/30/20	(\$198,997)	\$15,811,112
12		07/31/20	(\$198,997)	\$15,612,115
13	Balance at August 31, 2020	08/31/20	(\$198,997)	\$15,413,118
14				
15	Rate Year 2 Merger Hold Harmless - 5 Quarter Average			<u>\$16,576,053</u>
16				
17	Balance at August 31, 2020			\$15,413,118
18		09/30/20	(\$198,997)	\$15,214,120
19		10/31/20	(\$198,997)	\$15,015,123
20		11/30/20	(\$198,997)	\$14,816,126
21		12/31/20	(\$198,997)	\$14,617,129
22		01/31/21	(\$223,582)	\$14,393,547
23		02/28/21	(\$223,582)	\$14,169,965
24		03/31/21	(\$223,582)	\$13,946,383
25		04/30/21	(\$223,582)	\$13,722,802
26		05/31/21	(\$223,582)	\$13,499,220
27		06/30/21	(\$223,582)	\$13,275,638
28		07/31/21	(\$223,582)	\$13,052,056
29	Balance at August 31, 2021	08/31/21	(\$223,582)	\$12,828,474
30				
31	Rate Year 3 Merger Hold Harmless - 5 Quarter Average			<u>\$14,145,381</u>

Line Notes

- 1(c) Page 9 of 23 Line 22 Column (c)
- 2(b) Page 21 of 23 Line 14 Column (f) divide by 3 times 1
- 3(b) Page 21 of 23 Line 15 Column (f) divide by 3 times 1
- 4(b) Page 21 of 23 Line 15 Column (f) divide by 3 times 1
- 5(b) Page 21 of 23 Line 15 Column (f) divide by 3 times 1
- 6(b) Page 21 of 23 Line 16 Column (f) divide by 3 times 1
- 7(b) Page 21 of 23 Line 16 Column (f) divide by 3 times 1
- 8(b) Page 21 of 23 Line 16 Column (f) divide by 3 times 1
- 9(b) Page 21 of 23 Line 17 Column (f) divide by 3 times 1
- 10(b) Page 21 of 23 Line 17 Column (f) divide by 3 times 1
- 11(b) Page 21 of 23 Line 17 Column (f) divide by 3 times 1
- 12(b) Page 21 of 23 Line 18 Column (f) divide by 3 times 1
- 13(b) Page 21 of 23 Line 18 Column (f) divide by 3 times 1
- 18(b) Page 21 of 23 Line 18 Column (f) divide by 3 times 1
- 19(b) Page 21 of 23 Line 19 Column (f) divide by 3 times 1
- 20(b) Page 21 of 23 Line 19 Column (f) divide by 3 times 1
- 21(b) Page 21 of 23 Line 19 Column (f) divide by 3 times 1
- 22(b) Page 21 of 23 Line 20 Column (f) divide by 3 times 1
- 23(b) Page 21 of 23 Line 20 Column (f) divide by 3 times 1
- 24(b) Page 21 of 23 Line 20 Column (f) divide by 3 times 1
- 25(b) Page 21 of 23 Line 21 Column (f) divide by 3 times 1
- 26(b) Page 21 of 23 Line 21 Column (f) divide by 3 times 1
- 27(b) Page 21 of 23 Line 21 Column (f) divide by 3 times 1
- 28(b) Page 21 of 23 Line 22 Column (f) divide by 3 times 1
- 29(b) Page 21 of 23 Line 22 Column (f) divide by 3 times 1

The Narragansett Electric Company d/b/a National Grid
Accumulated Deferred Tax Forecast Rate Base Adjustments
Test Year Ending June 31,2017 through Rate Year 1 Ending August 31, 2019

Description	Period or Amount (a)	(b)	Accumulated Deferred Income Tax (c)
1 Balance at June 30, 2017			\$122,924,988
2			
3 Increase/(Decrease) 2 Month Ended			1/ \$5,164,175
4 Adjustment for decrease in federal tax rate			(\$75,170)
5 Balance at August 31, 2017			\$128,013,993
6			
7 Increase/(Decrease) 12 Month Ended			2/ \$20,896,083
8			
9 Balance at August 31, 2018			\$148,910,075
10			
11 Balance as of:	09/30/18		3/ \$150,134,887
12	10/31/18		3/ \$151,359,699
13	11/30/18		3/ \$152,584,511
14	12/31/18		3/ \$153,809,323
15	01/31/19		3/ \$155,034,135
16	02/28/19		3/ \$156,258,947
17	03/31/19		3/ \$157,483,759
18	04/30/19		3/ \$158,708,571
19	05/31/19		3/ \$159,933,383
20	06/30/19		3/ \$161,158,195
21	07/31/19		3/ \$162,383,007
22 Balance at August 31, 2019			3/ \$163,607,819
23			
24 Rate Year 1 Accumulated Deferred Income Tax - Five Quarter Average			<u>\$156,258,947</u>
25			
26	Book	Tax	Difference
27	(a)	(b)	(c)
28 1/ 2 Months Ending 08/30/17			
29 Depreciation	\$6,232,539	\$22,600,764	\$16,368,225
30 Income Tax Rate			31.55%
31 2 Month Change to Accumulated Deferred Taxes			\$5,164,175
32 Net Operating Loss Utilization			\$0
33 Proration Adjustment			\$0
34 Net Annual Change			<u>\$5,164,175</u>
35			
36 2/ 12 Months Ended 08/31/18:			
37 Depreciation	\$39,556,596	\$116,510,100	\$76,953,504
38 Income Tax Rate			27.15%
39 Annual Change to Accumulated Deferred Taxes			\$20,896,083
40 Net Operating Loss Utilization			\$0
41 Proration Adjustment			\$0
42 Net Annual Change			<u>\$20,896,083</u>
43			
44 3/ 12 Months Ended 08/31/19:			
45 Depreciation	\$40,918,876	\$117,594,245	\$76,675,369
46 Income Tax Rate			21.00%
47 Annual Change to Accumulated Deferred Taxes			\$16,101,827
48 Net Operating Loss Utilization			\$1,379,604
49 Proration Adjustment			(\$1,047,578)
50 Net Annual Change			<u>\$16,433,854</u>
51 Net of Amortization of Excess Deferred Tax		(\$1,736,110)	\$14,697,744
52 Monthly Change to Accumulated Deferred Taxes			<u>\$1,224,812</u>

Column Notes

(b) Per Tax Department

Line Notes

1(c) Page 2 of 23 Line 29 Column (e)
29(a) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 22 Column (a)
29(b) Page 14 of 23 Line 3 Column (b)
37(a) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 41 Column (a)
37(b) Page 14 of 23 Line 3 Column (c)
45(a) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 16 Column (a)
45(b) Page 14 of 23 Line 3 Column (d)

The Narragansett Electric Company d/b/a National Grid
Proration Adjustment
Test Year through Data Year 2

Description	2 Months Ending August 31, 2017 (a)	12 Months Ending August 31, 2018 (b)	Rate Year 1 Ending August 31, 2019 (c)	Data Year 1 Ending August 31, 2020 (d)	Data Year 2 Ending August 31, 2021 (e)
1 Proration Adjustment	\$0	\$0	\$1,047,578	\$2,531,846	\$5,541,806
2					
3 Total	\$0	\$0	\$1,047,578	\$2,531,846	\$5,541,806
4					
5					
6 NOTE: Proration is not applicable to actual ADIT					
7					
8 August 2018 Rate Calculation					
9 Sep 2017 - 3/31/2018		31.55%	# of Months 7		
10 4/1/2018 - 8/31/2018		21.00%	5		
11 Blended Rate		27.15%	12		
12					
13 Deferred Tax Subject to Proration					
14 Book Depreciation	\$6,232,539	\$39,556,596	\$40,918,876	\$44,381,777	\$47,792,245
15 Bonus Depreciation	(\$4,079,073)	(\$2,105,710)	\$0	\$0	\$0
16 Remaining MACRS Tax Depreciation	(\$6,604,013)	(\$40,578,278)	(\$43,580,207)	(\$46,379,452)	(\$49,107,237)
17					
18 Cumulative Book / Tax Timer	(\$4,450,547)	(\$3,127,392)	(\$2,661,331)	(\$1,997,675)	(\$1,314,991)
19 Effective Tax Rate	31.55%	27.15%	21.00%	21.00%	21.00%
20 Deferred Tax Reserve	(\$1,404,147)	(\$849,217)	(\$558,880)	(\$419,512)	(\$276,148)
21					
22 Net Operating Loss Utilization					
23					
24 Net Operating Loss Utilization			(\$6,569,542)	(\$20,312,027)	(\$47,517,386)
25 Effective Tax Rate			21.00%	21.00%	21.00%
26 Deferred Tax Reserve			(\$1,379,604)	(\$4,265,526)	(\$9,978,651)
27					
28 Total Accumulated Deferred Income Taxes Subject to Proration	\$0	\$0	(\$1,938,483)	(\$4,685,037)	(\$10,254,799)
29					
30	Days in Month	Proration Percentage			
31					
32 Proration Calculation					
33 September	30	92%	\$0	\$0	(\$148,263)
34 October	31	83%	\$0	\$0	(\$134,543)
35 November	30	75%	\$0	\$0	(\$121,266)
36 December	31	67%	\$0	\$0	(\$107,546)
37 January	31	58%	\$0	\$0	(\$93,826)
38 February	28	50%	\$0	\$0	(\$81,434)
39 March	31	42%	\$0	\$0	(\$67,714)
40 April	30	34%	\$0	\$0	(\$54,437)
41 May	31	25%	\$0	\$0	(\$40,717)
42 June	30	17%	\$0	\$0	(\$27,440)
43 July	31	8%	\$0	\$0	(\$13,720)
44 August	31	0%	\$0	\$0	\$0
45 Total			\$0	\$0	(\$890,906)
46					
47 Deferred Tax Without Proration			\$0	\$0	(\$1,938,483)
48 Proration Adjustment			\$0	\$0	\$1,047,578

Line Notes

- 14(a) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 22 Column (a)
- 14(b) Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 41 Column (a)
- 14(c) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 16 Column (a)
- 14(d) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 37 Column (a)
- 14(e) Schedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 58 Column (a)
- 15(a) Page 15 of 23 Line 2 Column (c) times -1
- 15(b) Page 15 of 23 Line 5 Column (c) times -1
- 15(c) Page 15 of 23 Line 8 Column (c) times -1
- 15(d) Page 15 of 23 Line 11 Column (c) times -1
- 16(a) Page 15 of 23; Line 1 Column (d) plus Line 3 Column (d)
- 16(b) Page 15 of 23; Line 1 Column (e) plus Line 3 Column (e) plus Line 6 Column (e)
- 16(c) Page 15 of 23; Line 1 Column (f) plus Line 3 Column (f) plus Line 6 Column (f) plus Line 9 Column (f)
- 16(d) Page 15 of 23; Line 1 Column (g) plus Line 3 Column (g) plus Line 6 Column (g) plus Line 9 Column (g) plus Line 12 Column (g)
- 16(e) Page 15 of 23; Line 1 Column (h) plus Line 3 Column (h) plus Line 6 Column (h) plus Line 9 Column (h) plus Line 12 Column (h) plus Line 15 Column (h)
- 18 Sum of Lines 14, 15 and 16
- 19 Per Tax Department
- 20 Line 18 times 19
- 24(c) Page 11 of 23 Line 48 Column (c) divided by Line 19 Column (c)
- 24(d) Page 12 of 23 Line 39 Column (c) divided by Line 19 Column (d)
- 24(e) Page 12 of 23 Line 49 Column (c) divided by Line 19 Column (e)
- 25 Per Tax Department
- 26 Line 25 times 24
- 28 Line 20 plus 26

The Narragansett Electric Company d/b/a National Grid
Federal Tax Depreciation
Test Year through Data Year 2
Estimated Additions

Description	Test Year Ending	2 Months Ending	12 Months Ending	Rate Year 1 Ending	Data Year 1 Ending	Data Year 2 Ending
	June 30, 2017	August 31, 2017	August 31, 2018	August 31, 2019	August 31, 2020	August 31, 2021
	(a)	(b)	(c)	(d)	(e)	(f)
1 Narragansett Gas Tax Depreciation of Embedded Plant	\$30,237,950	\$22,600,764	\$116,510,100	\$117,594,245	\$117,680,701	\$120,920,984
2						
3 Total	\$30,237,950	\$22,600,764	\$116,510,100	\$117,594,245	\$117,680,701	\$120,920,984

Line Notes

- 1(a) Per Tax Department
- 1(b) Page 15 of 23 Line 17 Column (d)
- 1(c) Page 15 of 23 Line 17 Column (e)
- 1(d) Page 15 of 23 Line 17 Column (f)
- 1(e) Page 15 of 23 Line 17 Column (g)
- 1(f) Page 15 of 23 Line 17 Column (h)

The Narragansett Electric Company d/b/a National Grid
Federal Tax Depreciation
Summary

	Narragansett Electric Company	Capital Additions (a)	Capital Repairs Current Deduct (b)	Yr 1 Bonus (c)	Total Tax Depreciation and Repairs Deduction				
					2 Months Ending August 31, 2017 (d)	12 Months Ending August 31, 2018 (e)	Rate Year 1 Ending August 31, 2019 (f)	Data Year 1 Ending August 31, 2020 (g)	Data Year 2 Ending August 31, 2021 (h)
1	Tax Depreciation on Existing Plant				\$6,451,048	\$38,467,635	\$37,911,627	\$37,405,849	\$37,132,672
2	Capital Repairs/Bonus 2 Months Ending August 31, 2017	\$19,087,111	\$10,928,966	\$4,079,073	\$15,008,038				
3	MACRS 2 Months Ending August 31, 2017				\$294,468		\$272,360	\$251,964	\$233,037
4	Cost of Removal 2 Months Ending August 31,2017				\$988,712				
5	Capital Repairs/Bonus 12 Months Ending August 31, 2018	\$118,238,399	\$67,701,363	\$2,105,710		\$69,807,073			
6	MACRS 12 Months Ending August 31, 2018					\$1,816,175			
7	Cost of Removal 12 Months Ending August 31, 2018					\$6,124,749	\$3,496,257	\$3,233,760	\$2,991,603
8	Capital Repairs/Bonus Rate Year 1 Ending August 31, 2019	\$118,539,376	\$67,873,698	\$0		\$67,873,698			
9	MACRS Rate Year 1 Ending August 31, 2019					\$1,899,963			
10	Cost of Removal Rate Year 1 Ending August 31, 2019						\$6,140,340	\$3,657,555	\$3,382,947
11	Capital Repairs/Bonus Data Year 1 Ending August 31, 2020	\$114,194,630	\$65,385,967	\$0				\$65,385,967	
12	MACRS Data Year 1 Ending August 31, 2020							\$1,830,325	\$3,523,497
13	Cost of Removal Data Year 1 Ending August 31, 2020							\$5,915,282	
14	Capital Repairs/Bonus Data Year 2 Ending August 31, 2021	\$115,015,436	\$65,855,947						\$65,855,947
15	MACRS Data Year 2 Ending August 31, 2021								\$1,845,481
16	Cost of Removal Data Year 2 Ending August 31, 2021								\$5,957,800
17	Total	\$485,074,951	\$277,745,941	\$6,184,783	\$22,600,764	\$116,510,100	\$117,594,245	\$117,680,701	\$120,920,984

Line Note

2(a) Page 16 of 23 Line 1 Column (a)	5(c) Sum of 5(b) plus 5(c)	10(f) Page 18 of 23 Line 26 Column (a)
2(b) Page 16 of 23 Line 5 Column (a)	6(c) Page 17 of 23 Line 24 Column (a)	11(a) Page 19 of 23 Line 1 Column (a)
2(c) Page 16 of 23 Line 16 Column (a)	6(f) Page 17 of 23 Line 24 Column (b)	11(b) Page 19 of 23 Line 5 Column (a)
2(d) Sum of 2(b) plus 2(c)	6(g) Page 17 of 23 Line 24 Column (c)	11(c) Page 19 of 23 Line 16 Column (a)
3(d) Page 16 of 23 Line 24 Column (a)	6(b) Page 17 of 23 Line 24 Column (d)	11(g) Sum of 11(b) plus 11(c)
3(e) Page 16 of 23 Line 24 Column (b)	7(c) Page 17 of 23 Line 26 Column (a)	12(g) Page 19 of 23 Line 24 Column (a)
3(f) Page 16 of 23 Line 24 Column (c)	8(a) Page 18 of 23 Line 1 Column (a)	12(b) Page 19 of 23 Line 24 Column (b)
3(g) Page 16 of 23 Line 24 Column (d)	8(b) Page 18 of 23 Line 5 Column (a)	13(g) Page 19 of 23 Line 26 Column (a)
3(h) Page 16 of 23 Line 24 Column (e)	8(c) Page 18 of 23 Line 16 Column (a)	14(a) Page 20 of 23 Line 1 Column (a)
4(d) Page 16 of 23 Line 26 Column (a)	8(f) Sum of 8(b) plus 8(c)	14(b) Page 20 of 23 Line 5 Column (a)
5(a) Page 17 of 23 Line 1 Column (a)	9(f) Page 18 of 23 Line 24 Column (a)	14(h) Sum of 14(b) plus 14(c)
5(b) Page 17 of 23 Line 5 Column (a)	9(g) Page 18 of 23 Line 24 Column (b)	15(b) Page 20 of 23 Line 24 Column (a)
5(c) Page 17 of 23 Line 16 Column (a)	9(h) Page 18 of 23 Line 24 Column (c)	16(h) Page 20 of 23 Line 26 Column (a)

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 2 Months Ending August 31, 2017

	Reference	2 Months Ending August 31, 2017 (a)	12 Months Ending August 31, 2018 (b)	Rate Year 1 Ending August 31, 2019 (c)	Data Year 1 Ending August 31, 2020 (d)	Data Year 2 Ending August 31, 2021 (e)
<u>Capital Repairs Deduction</u>						
1	Plant Additions	Schedule MAL-11-GAS (Rev-2) Page 3 of 23 Line 4 Column (b)	\$19,087,111			
2						
3	Plant Eligible for Capital Repairs Deduction		\$19,087,111			
4	Capital Repairs Deduction Rate	Per Tax Department	57.26%			
5	Capital Repairs Deduction	Line 3 * Line 4	\$10,928,966			
6						
<u>Bonus Depreciation</u>						
8	Plant Additions	Line 1	\$19,087,111			
9	Less Capital Repairs Deduction	Line 5	\$10,928,966			
10	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$8,158,145			
11	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%			
12	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$8,158,145			
13						
14						
15	Bonus Depreciation Rate		50.00%			
16	Total Bonus Depreciation Rate	Line 12 * Line 15	\$4,079,073			
17						
<u>Remaining Tax Depreciation</u>						
19	Plant Additions	Line 1	\$19,087,111			
20	Less Capital Repairs Deduction	Line 5	(\$10,928,966)			
21	Less Bonus Depreciation	Line 14	(\$4,079,073)			
22	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Sum Lines 19 Through 21	\$4,079,073	\$4,079,073	\$4,079,073	\$4,079,073
23	20 YR MACRS Tax Depreciation Rates	Per Tax Department	3.75%	7.219%	6.677%	6.177%
24	Remaining Tax Depreciation	Line 23 * Line 24	\$152,965	\$294,468	\$272,360	\$251,964
25						
26	Cost of Removal	Schedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 23 Column (a) * -1	\$988,712			
27						
28	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 16 + Line 24 + Line 26	\$16,149,716	\$294,468	\$272,360	\$251,964

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2018

	Reference	12 Months Ending August 31, 2018 (a)	Rate Year 1 Ending August 31, 2019 (b)	Data Year 1 Ending August 31, 2020 (c)	Data Year 2 Ending August 31, 2021 (d)
<u>Capital Repairs Deduction</u>					
1	Plant Additions	chedule MAL-11-GAS (Rev-2) Page 3 of 23 Line 11 Column (t)	\$118,238,399		
2					
3	Plant Eligible for Capital Repairs Deduction		\$118,238,399		
4	Capital Repairs Deduction Rate	Per Tax Department	57.26%		
5	Capital Repairs Deduction	Line 3 * Line 4	\$67,701,363		
6					
<u>Bonus Depreciation</u>					
7	Plant Additions	Line 1	\$118,238,399		
8	Less Capital Repairs Deduction	Line 5	\$67,701,363		
9	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$50,537,036		
10	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	8.33%		
11	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$4,211,420		
12	Bonus Depreciation Rate (September 2017 - December 2017)	4 months 2017 @ 50% (50%*4/12)	50.00%		
13	Bonus Depreciation Rate (January 2018 - August 2018)	8 months 2018 @ 40% (40%*8/12)	0.00%		
14	Total Bonus Depreciation Rate	Line 13 + Line 14	50.00%		
15	Total Bonus Depreciation Rate	Line 12 * Line 15	\$2,105,710		
16					
<u>Remaining Tax Depreciation</u>					
17	Plant Additions	Line 1	\$118,238,399		
18	Less Capital Repairs Deduction	Line 5	(\$67,701,363)		
19	Less Bonus Depreciation	Line 16 * -1	(\$2,105,710)		
20	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciatio	Sum Lines 19 Through 21	\$48,431,326	\$48,431,326	\$48,431,326
21	20 YR MACRS Tax Depreciation Rates	Per Tax Department	3.75%	7.219%	6.677%
22	Remaining Tax Depreciation	Line 23 * Line 24	\$1,816,175	\$3,496,257	\$3,233,760
23					
24	Cost of Removal	chedule MAL-6-GAS (Rev-2) Page 1 of 5 Line 42 Column (a) * -	\$6,124,749		
25					
26	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 16 + Line 24 + Line 26	\$77,747,997	\$3,496,257	\$3,233,760
27					
28					

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2019

	Reference	Rate Year 1 Ending August 31, 2019 (a)	Data Year 1 Ending August 31, 2020 (b)	Data Year 2 Ending August 31, 2021 (c)
<u>Capital Repairs Deduction</u>				
1	Plant Additions	chedule MAL-11-GAS (Rev-2) Page 3 of 23 Line 35 Column (b)	\$118,539,376	
2				
3	Plant Eligible for Capital Repairs Deduction		\$118,539,376	
4	Capital Repairs Deduction Rate	Per Tax Department	.57.26%	
5	Capital Repairs Deduction	Line 3 * Line 4	\$67,873,698	
6				
<u>Bonus Depreciation</u>				
7	Plant Additions	Line 1	\$118,539,376	
8	Less Capital Repairs Deduction	Line 5	\$67,873,698	
9	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$50,665,679	
10	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%	
11	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$0	
12	Bonus Depreciation Rate (September 2018 - December 2018)	4 months 2018 @ 40% (40%*4/12)	13.33%	
13	Bonus Depreciation Rate (January 2019 - August 2019)	8 months 2019 @ 30% (30%*8/12)	20.00%	
14	Bonus Depreciation Rate	Line 13 + Line 14	33.33%	
15	Total Bonus Depreciation Rate	Line 12 * Line 15	\$0	
16				
17				
18				
<u>Remaining Tax Depreciation</u>				
19	Plant Additions	Line 1	\$118,539,376	
20	Less Capital Repairs Deduction	Line 5	(\$67,873,698)	
21	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Sum Lines 19 Through 21	\$50,665,679	\$50,665,679
22	20 YR MACRS Tax Depreciation Rates	Per Tax Department	3.750%	7.219%
23	Remaining Tax Depreciation	Line 23 * Line 24	\$1,899,963	\$3,657,555
24				\$3,382,947
25				
26	Cost of Removal	chedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 18 Column (a) *s	\$6,140,340	
27				
28	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 16 + Line 24 + Line 26	\$75,914,000	\$3,657,555
				\$3,382,947

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2020

	Reference	Data Year 1 Ending August 31, 2020 (a)	Data Year 2 Ending August 31, 2021 (b)
<u>Capital Repairs Deduction</u>			
1	Plant Additions	chedule MAL-11-GAS (Rev-2) Page 4 of 23 Line 36 Column (\$114,194,630
2			
3	Plant Eligible for Capital Repairs Deduction		\$114,194,630
4	Capital Repairs Deduction Rate	Per Tax Department	57.26%
5	Capital Repairs Deduction	Line 3 * Line 4	\$65,385,967
6			
<u>Bonus Depreciation</u>			
7	Plant Additions	Line 1	\$114,194,630
8	Less Capital Repairs Deduction	Line 5	\$65,385,967
9	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9	\$48,808,663
10	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	0.00%
11	Plant Eligible for Bonus Depreciation	Line 10 * Line 11	\$0
12	Bonus Depreciation Rate (September 2019 - December 2019)	4 months 2019 @ 30% (30%*4/12)	10.00%
13	Bonus Depreciation Rate (January 2020 - August 2020)	8 months 2020 @ 00% (00%*8/12)	0.00%
14	Bonus Depreciation Rate	Line 13 + Line 14	10.00%
15	Total Bonus Depreciation Rate	Line 12 * Line 15	\$0
16			
17			
18			
<u>Remaining Tax Depreciation</u>			
19	Plant Additions	Line 1	\$114,194,630
20	Less Capital Repairs Deduction	Line 5	(\$65,385,967)
21	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Sum Lines 19 Through 21	\$48,808,663
22	20 YR MACRS Tax Depreciation Rates	Per Tax Department	3.750%
23	Remaining Tax Depreciation	Line 23 * Line 24	\$1,830,325
24			\$3,523,497
25			
26	Cost of Removal	chedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 39 Column (a) *	\$5,915,282
27			
28	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 13 + Line 15	\$73,131,574
			\$3,523,497

The Narragansett Electric Company d/b/a National Grid
Calculation of Tax Depreciation and Repairs Deduction
On Capital Investment for the 12 Months Ending August 31, 2021

	Reference	Data Year 2 Ending August 31, 2021 (a)
<u>Capital Repairs Deduction</u>		
1	Plant Additions	chedule MAL-11-GAS (Rev-2) Page 4 of 23 Line 44 Column (l) \$115,015,436
2		
3	Plant Eligible for Capital Repairs Deduction	\$115,015,436
4	Capital Repairs Deduction Rate	Per Tax Department 57.26%
5	Capital Repairs Deduction	Line 3 * Line 4 \$65,855,947
6		
<u>Bonus Depreciation</u>		
8	Plant Additions	Line 1 \$115,015,436
9	Less Capital Repairs Deduction	Line 5 \$65,855,947
10	Plant Additions Net of Capital Repairs Deduction	Line 8 - Line 9 \$49,159,489
11	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department 0.00%
12	Plant Eligible for Bonus Depreciation	Line 10 * Line 11 \$0
13		
14		
15	Bonus Depreciation Rate	0.00%
16	Total Bonus Depreciation Rate	Line 12 * Line 13 \$0
17		
18		
<u>Remaining Tax Depreciation</u>		
20	Plant Additions	Line 1 \$115,015,436
21	Less Capital Repairs Deduction	Line 5 (\$65,855,947)
22	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Sum Lines 19 Through 21 \$49,159,489
23	20 YR MACRS Tax Depreciation Rates	Per Tax Department 3.750%
24	Remaining Tax Depreciation	Line 23 * Line 24 \$1,843,481
25		
26	Cost of Removal	chedule MAL-6-GAS (Rev-2) Page 2 of 5 Line 60 Column (a) * \$5,957,800
27		
28	Total Tax Depreciation and Repairs Deduction	Line 5 + Line 16 + Line 24 + Line 26 \$73,657,228

National Grid - RI Gas
Customer Hold Harmless Credit
Rate Base Impact

Month	Year	Deferred FIT DFIT Balance	Unamortized Investment Tax Credit Balance	Hold Harmless Total	Deferred Federal Income Tax Change	ITC Change	Total Change	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
1	June	2016	\$22,928,782	\$0	\$22,928,782	(\$318,361)	\$0	(\$318,361)
2	September	2016	\$22,610,421	\$0	\$22,610,421	(\$318,361)	\$0	(\$318,361)
3	December	2016	\$22,292,061	\$0	\$22,292,061	(\$318,361)	\$0	(\$318,361)
4	March	2017	\$21,912,516	\$0	\$21,912,516	(\$379,545)	\$0	(\$379,545)
5	June	2017	\$21,532,971	\$0	\$21,532,971	(\$379,545)	\$0	(\$379,545)
6	September	2017	\$21,153,427	\$0	\$21,153,427	(\$379,545)	\$0	(\$379,545)
7	December	2017	\$20,773,882	\$0	\$20,773,882	(\$379,545)	\$0	(\$379,545)
8	March	2018	\$20,335,534	\$0	\$20,335,534	(\$438,348)	\$0	(\$438,348)
9	June	2018	\$19,897,186	\$0	\$19,897,186	(\$438,348)	\$0	(\$438,348)
10	September	2018	\$19,458,837	\$0	\$19,458,837	(\$438,348)	\$0	(\$438,348)
11	December	2018	\$19,020,489	\$0	\$19,020,489	(\$438,348)	\$0	(\$438,348)
12	March	2019	\$18,516,640	\$0	\$18,516,640	(\$503,849)	\$0	(\$503,849)
13	June	2019	\$18,012,792	\$0	\$18,012,792	(\$503,849)	\$0	(\$503,849)
14	September	2019	\$17,508,943	\$0	\$17,508,943	(\$503,849)	\$0	(\$503,849)
15	December	2019	\$17,005,095	\$0	\$17,005,095	(\$503,849)	\$0	(\$503,849)
16	March	2020	\$16,408,103	\$0	\$16,408,103	(\$596,991)	\$0	(\$596,991)
17	June	2020	\$15,811,112	\$0	\$15,811,112	(\$596,991)	\$0	(\$596,991)
18	September	2020	\$15,214,120	\$0	\$15,214,120	(\$596,991)	\$0	(\$596,991)
19	December	2020	\$14,617,129	\$0	\$14,617,129	(\$596,991)	\$0	(\$596,991)
20	March	2021	\$13,946,383	\$0	\$13,946,383	(\$670,746)	\$0	(\$670,746)
21	June	2021	\$13,275,638	\$0	\$13,275,638	(\$670,746)	\$0	(\$670,746)
22	September	2021	\$12,604,892	\$0	\$12,604,892	(\$670,746)	\$0	(\$670,746)
23	December	2021	\$11,934,147	\$0	\$11,934,147	(\$670,746)	\$0	(\$670,746)
24	March	2022	\$11,216,530	\$0	\$11,216,530	(\$717,617)	\$0	(\$717,617)
25	June	2022	\$10,498,913	\$0	\$10,498,913	(\$717,617)	\$0	(\$717,617)
26	September	2022	\$9,781,296	\$0	\$9,781,296	(\$717,617)	\$0	(\$717,617)
27	December	2022	\$9,063,679	\$0	\$9,063,679	(\$717,617)	\$0	(\$717,617)
28	March	2023	\$8,310,658	\$0	\$8,310,658	(\$753,021)	\$0	(\$753,021)
29	June	2023	\$7,557,637	\$0	\$7,557,637	(\$753,021)	\$0	(\$753,021)
30	September	2023	\$6,804,616	\$0	\$6,804,616	(\$753,021)	\$0	(\$753,021)
31	December	2023	\$6,051,595	\$0	\$6,051,595	(\$753,021)	\$0	(\$753,021)
32	March	2024	\$5,270,123	\$0	\$5,270,123	(\$781,472)	\$0	(\$781,472)
33	June	2024	\$4,488,651	\$0	\$4,488,651	(\$781,472)	\$0	(\$781,472)
34	September	2024	\$3,707,179	\$0	\$3,707,179	(\$781,472)	\$0	(\$781,472)
35	December	2024	\$2,925,707	\$0	\$2,925,707	(\$781,472)	\$0	(\$781,472)
36	March	2025	\$2,103,962	\$0	\$2,103,962	(\$821,746)	\$0	(\$821,746)
37	June	2025	\$1,282,216	\$0	\$1,282,216	(\$821,746)	\$0	(\$821,746)
38	September	2025	\$460,470	\$0	\$460,470	(\$821,746)	\$0	(\$821,746)
39	December	2025	(\$361,276)	\$0	(\$361,276)	(\$821,746)	\$0	(\$821,746)
40	March	2026	(\$859,326)	\$0	(\$859,326)	(\$498,050)	\$0	(\$498,050)
41	June	2026	(\$1,357,377)	\$0	(\$1,357,377)	(\$498,050)	\$0	(\$498,050)
42	September	2026	(\$1,855,427)	\$0	(\$1,855,427)	(\$498,050)	\$0	(\$498,050)
43	December	2026	(\$2,353,477)	\$0	(\$2,353,477)	(\$498,050)	\$0	(\$498,050)
44	March	2027	(\$2,394,903)	\$0	(\$2,394,903)	(\$41,426)	\$0	(\$41,426)
45	June	2027	(\$2,436,329)	\$0	(\$2,436,329)	(\$41,426)	\$0	(\$41,426)
46	September	2027	(\$2,477,755)	\$0	(\$2,477,755)	(\$41,426)	\$0	(\$41,426)
47	December	2027	(\$2,519,181)	\$0	(\$2,519,181)	(\$41,426)	\$0	(\$41,426)
48	March	2028	(\$2,445,890)	\$0	(\$2,445,890)	\$73,292	\$0	\$73,292
49	June	2028	(\$2,372,598)	\$0	(\$2,372,598)	\$73,292	\$0	\$73,292
50	September	2028	(\$2,299,307)	\$0	(\$2,299,307)	\$73,292	\$0	\$73,292
51	December	2028	(\$2,226,015)	\$0	(\$2,226,015)	\$73,292	\$0	\$73,292

National Grid - RI Gas
Customer Hold Harmless Credit
Rate Base Impact

Month	Year	Deferred FIT DFIT Balance	Unamortized Investment Tax Credit Balance	Hold Harmless Total	Deferred Federal Income Tax Change	ITC Change	Total Change	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
1	March	2029	(\$2,152,724)	\$0	(\$2,152,724)	\$73,291	\$0	\$73,291
2	June	2029	(\$2,079,433)	\$0	(\$2,079,433)	\$73,291	\$0	\$73,291
3	September	2029	(\$2,006,143)	\$0	(\$2,006,143)	\$73,291	\$0	\$73,291
4	December	2029	(\$1,932,852)	\$0	(\$1,932,852)	\$73,291	\$0	\$73,291
5	March	2030	(\$1,871,230)	\$0	(\$1,871,230)	\$61,621	\$0	\$61,621
6	June	2030	(\$1,809,609)	\$0	(\$1,809,609)	\$61,621	\$0	\$61,621
7	September	2030	(\$1,747,988)	\$0	(\$1,747,988)	\$61,621	\$0	\$61,621
8	December	2030	(\$1,686,367)	\$0	(\$1,686,367)	\$61,621	\$0	\$61,621
9	March	2031	(\$1,628,755)	\$0	(\$1,628,755)	\$57,611	\$0	\$57,611
10	June	2031	(\$1,571,144)	\$0	(\$1,571,144)	\$57,611	\$0	\$57,611
11	September	2031	(\$1,513,533)	\$0	(\$1,513,533)	\$57,611	\$0	\$57,611
12	December	2031	(\$1,455,922)	\$0	(\$1,455,922)	\$57,611	\$0	\$57,611
13	March	2032	(\$1,398,473)	\$0	(\$1,398,473)	\$57,449	\$0	\$57,449
14	June	2032	(\$1,341,024)	\$0	(\$1,341,024)	\$57,449	\$0	\$57,449
15	September	2032	(\$1,283,574)	\$0	(\$1,283,574)	\$57,449	\$0	\$57,449
16	December	2032	(\$1,226,125)	\$0	(\$1,226,125)	\$57,449	\$0	\$57,449
17	March	2033	(\$1,168,891)	\$0	(\$1,168,891)	\$57,234	\$0	\$57,234
18	June	2033	(\$1,111,657)	\$0	(\$1,111,657)	\$57,234	\$0	\$57,234
19	September	2033	(\$1,054,423)	\$0	(\$1,054,423)	\$57,234	\$0	\$57,234
20	December	2033	(\$997,190)	\$0	(\$997,190)	\$57,234	\$0	\$57,234
21	March	2034	(\$953,205)	\$0	(\$953,205)	\$43,984	\$0	\$43,984
22	June	2034	(\$909,221)	\$0	(\$909,221)	\$43,984	\$0	\$43,984
23	September	2034	(\$865,237)	\$0	(\$865,237)	\$43,984	\$0	\$43,984
24	December	2034	(\$821,253)	\$0	(\$821,253)	\$43,984	\$0	\$43,984
25	March	2035	(\$779,574)	\$0	(\$779,574)	\$41,678	\$0	\$41,678
26	June	2035	(\$737,896)	\$0	(\$737,896)	\$41,678	\$0	\$41,678
27	September	2035	(\$696,218)	\$0	(\$696,218)	\$41,678	\$0	\$41,678
28	December	2035	(\$654,540)	\$0	(\$654,540)	\$41,678	\$0	\$41,678
29	March	2036	(\$614,040)	\$0	(\$614,040)	\$40,500	\$0	\$40,500
30	June	2036	(\$573,539)	\$0	(\$573,539)	\$40,500	\$0	\$40,500
31	September	2036	(\$533,039)	\$0	(\$533,039)	\$40,500	\$0	\$40,500
32	December	2036	(\$492,539)	\$0	(\$492,539)	\$40,500	\$0	\$40,500
33	March	2037	(\$453,832)	\$0	(\$453,832)	\$38,707	\$0	\$38,707
34	June	2037	(\$415,126)	\$0	(\$415,126)	\$38,707	\$0	\$38,707
35	September	2037	(\$376,419)	\$0	(\$376,419)	\$38,707	\$0	\$38,707
36	December	2037	(\$337,713)	\$0	(\$337,713)	\$38,707	\$0	\$38,707
37	March	2038	(\$299,432)	\$0	(\$299,432)	\$38,281	\$0	\$38,281
38	June	2038	(\$261,151)	\$0	(\$261,151)	\$38,281	\$0	\$38,281
39	September	2038	(\$222,870)	\$0	(\$222,870)	\$38,281	\$0	\$38,281
40	December	2038	(\$184,589)	\$0	(\$184,589)	\$38,281	\$0	\$38,281
41	March	2039	(\$147,789)	\$0	(\$147,789)	\$36,800	\$0	\$36,800
42	June	2039	(\$110,988)	\$0	(\$110,988)	\$36,800	\$0	\$36,800
43	September	2039	(\$74,188)	\$0	(\$74,188)	\$36,800	\$0	\$36,800
44	December	2039	(\$37,387)	\$0	(\$37,387)	\$36,800	\$0	\$36,800
45	March	2040	(\$8,127)	\$0	(\$8,127)	\$29,260	\$0	\$29,260
46	June	2040	\$21,133	\$0	\$21,133	\$29,260	\$0	\$29,260
47	September	2040	\$50,393	\$0	\$50,393	\$29,260	\$0	\$29,260
48	December	2040	\$79,653	\$0	\$79,653	\$29,260	\$0	\$29,260
49	March	2041	\$76,145	\$0	\$76,145	(\$3,508)	\$0	(\$3,508)
50	June	2041	\$72,636	\$0	\$72,636	(\$3,508)	\$0	(\$3,508)
51	September	2041	\$69,128	\$0	\$69,128	(\$3,508)	\$0	(\$3,508)

National Grid - RI Gas
Customer Hold Harmless Credit
Rate Base Impact

Month	Year	Deferred FIT DFIT Balance	Unamortized Investment Tax Credit Balance	Hold Harmless Total	Deferred Federal Income Tax Change	ITC Change	Total Change	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
1	December	2041	\$65,619	\$0	\$65,619	(\$3,508)	\$0	(\$3,508)
2	March	2042	\$60,603	\$0	\$60,603	(\$5,016)	\$0	(\$5,016)
3	June	2042	\$55,587	\$0	\$55,587	(\$5,016)	\$0	(\$5,016)
4	September	2042	\$50,571	\$0	\$50,571	(\$5,016)	\$0	(\$5,016)
5	December	2042	\$45,555	\$0	\$45,555	(\$5,016)	\$0	(\$5,016)
6	March	2043	\$40,241	\$0	\$40,241	(\$5,314)	\$0	(\$5,314)
7	June	2043	\$34,928	\$0	\$34,928	(\$5,314)	\$0	(\$5,314)
8	September	2043	\$29,614	\$0	\$29,614	(\$5,314)	\$0	(\$5,314)
9	December	2043	\$24,300	\$0	\$24,300	(\$5,314)	\$0	(\$5,314)
10	March	2044	\$17,124	\$0	\$17,124	(\$7,177)	\$0	(\$7,177)
11	June	2044	\$9,947	\$0	\$9,947	(\$7,177)	\$0	(\$7,177)
12	September	2044	\$2,770	\$0	\$2,770	(\$7,177)	\$0	(\$7,177)
13	December	2044	(\$4,406)	\$0	(\$4,406)	(\$7,177)	\$0	(\$7,177)
14	March	2045	(\$7,558)	\$0	(\$7,558)	(\$3,152)	\$0	(\$3,152)
15	June	2045	(\$10,709)	\$0	(\$10,709)	(\$3,152)	\$0	(\$3,152)
16	September	2045	(\$13,861)	\$0	(\$13,861)	(\$3,152)	\$0	(\$3,152)
17	December	2045	(\$17,013)	\$0	(\$17,013)	(\$3,152)	\$0	(\$3,152)
18	March	2046	(\$16,720)	\$0	(\$16,720)	\$292	\$0	\$292
19	June	2046	(\$16,428)	\$0	(\$16,428)	\$292	\$0	\$292
20	September	2046	(\$16,135)	\$0	(\$16,135)	\$292	\$0	\$292
21	December	2046	(\$15,843)	\$0	(\$15,843)	\$292	\$0	\$292
22	March	2047	(\$15,315)	\$0	(\$15,315)	\$528	\$0	\$528
23	June	2047	(\$14,787)	\$0	(\$14,787)	\$528	\$0	\$528
24	September	2047	(\$14,259)	\$0	(\$14,259)	\$528	\$0	\$528
25	December	2047	(\$13,731)	\$0	(\$13,731)	\$528	\$0	\$528
26	March	2048	(\$13,203)	\$0	(\$13,203)	\$528	\$0	\$528
27	June	2048	(\$12,675)	\$0	(\$12,675)	\$528	\$0	\$528
28	September	2048	(\$12,147)	\$0	(\$12,147)	\$528	\$0	\$528
29	December	2048	(\$11,619)	\$0	(\$11,619)	\$528	\$0	\$528
30	March	2049	(\$11,091)	\$0	(\$11,091)	\$528	\$0	\$528
31	June	2049	(\$10,563)	\$0	(\$10,563)	\$528	\$0	\$528
32	September	2049	(\$10,036)	\$0	(\$10,036)	\$528	\$0	\$528
33	December	2049	(\$9,508)	\$0	(\$9,508)	\$528	\$0	\$528
34	March	2050	(\$8,980)	\$0	(\$8,980)	\$528	\$0	\$528
35	June	2050	(\$8,452)	\$0	(\$8,452)	\$528	\$0	\$528
36	September	2050	(\$7,924)	\$0	(\$7,924)	\$528	\$0	\$528
37	December	2050	(\$7,396)	\$0	(\$7,396)	\$528	\$0	\$528
38	March	2051	(\$6,868)	\$0	(\$6,868)	\$528	\$0	\$528
39	June	2051	(\$6,340)	\$0	(\$6,340)	\$528	\$0	\$528
40	September	2051	(\$5,812)	\$0	(\$5,812)	\$528	\$0	\$528
41	December	2051	(\$5,284)	\$0	(\$5,284)	\$528	\$0	\$528
42	March	2052	(\$4,756)	\$0	(\$4,756)	\$528	\$0	\$528
43	June	2052	(\$4,228)	\$0	(\$4,228)	\$528	\$0	\$528
44	September	2052	(\$3,700)	\$0	(\$3,700)	\$528	\$0	\$528
45	December	2052	(\$3,173)	\$0	(\$3,173)	\$528	\$0	\$528
46	March	2053	(\$2,645)	\$0	(\$2,645)	\$528	\$0	\$528
47	June	2053	(\$2,117)	\$0	(\$2,117)	\$528	\$0	\$528
48	September	2053	(\$1,589)	\$0	(\$1,589)	\$528	\$0	\$528
49	December	2053	(\$1,061)	\$0	(\$1,061)	\$528	\$0	\$528
50	March	2054	(\$796)	\$0	(\$796)	\$265	\$0	\$265
51	June	2054	(\$530)	\$0	(\$530)	\$265	\$0	\$265

Schedule MAL-12 (REV-2)

Labor

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Labor - Expense Type

	Test Year Ended June 30, 2017			Normalizing Adjustments to Test Year			Test Year Ended June 30, 2017			
	(Per Books)			(as Adjusted)			(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	\$38,831,791	\$19,786,961	\$19,044,830	(\$2,312,021)	\$791,222	(\$3,103,243)	\$36,519,770	\$20,578,183	\$15,941,586
2	National Grid USA Service Company	\$50,101,582	\$33,639,835	\$16,461,747	(\$13,411,277)	(\$10,708,023)	(\$2,703,253)	\$36,690,305	\$22,931,812	\$13,758,493
3	All Other Companies	\$1,845,184	\$1,329,452	\$515,732	(\$203,524)	(\$205,368)	\$1,844	\$1,641,661	\$1,124,084	\$517,576
4	Total	\$90,778,557	\$54,756,249	\$36,022,308	(\$15,926,822)	(\$10,122,170)	(\$5,804,652)	\$74,851,735	\$44,634,080	\$30,217,656
5										
6										
7	Operation:									
8	Production Expenses	\$0	\$0	\$0	(\$43,352)	(\$43,352)	\$0	(\$43,352)	(\$43,352)	\$0
9	Power Production Expenses	\$40	\$0	\$40	(\$5)	\$0	(\$5)	\$35	\$0	\$35
10	Natural Gas Storage, Terminating and Processing Exp.	\$2,302,746	\$0	\$2,302,746	(\$957,744)	\$0	(\$957,744)	\$1,345,001	\$0	\$1,345,001
12	Transmission Expenses	\$4,363,087	\$4,357,614	\$5,473	(\$5,459,313)	(\$5,453,496)	(\$5,817)	(\$1,096,226)	(\$1,095,882)	(\$345)
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$27,782,414	\$11,603,931	\$16,178,484	(\$5,708,622)	\$414,690	(\$6,123,312)	\$22,073,793	\$12,018,620	\$10,055,172
15	Customer Accounts Expenses	\$7,778,674	\$4,595,462	\$3,183,211	(\$1,003,565)	(\$617,621)	(\$385,944)	\$6,775,108	\$3,977,841	\$2,797,267
16	Customer Service and Informational Expenses	\$1,328,073	\$909,906	\$418,167	(\$364,208)	(\$229,386)	(\$134,822)	\$963,865	\$680,520	\$283,345
18	Sales Expenses	\$950,199	\$408,619	\$541,581	(\$662,320)	(\$450,112)	(\$212,209)	\$287,879	(\$41,493)	\$329,372
19	Administrative & General Expenses	\$27,297,462	\$19,729,562	\$7,567,901	\$983,166	(\$1,234,212)	2,217,378	\$28,280,628	\$18,495,349	\$9,785,279
20	Sub Total	\$71,802,695	\$41,605,093	\$30,197,602	(\$13,215,963)	(\$7,613,489)	(\$5,602,474)	\$58,586,732	\$33,991,604	\$24,595,128
21										
22	Maintenance:									
23	Transmission Expenses	\$1,084,676	\$1,021,494	\$63,182	(\$735,346)	(\$1,016,673)	281,327	\$349,330	\$4,821	\$344,510
24	Distribution Expenses	\$17,772,833	\$12,016,514	\$5,756,319	(\$1,947,483)	(\$1,464,573)	(\$482,910)	\$15,825,349	\$10,551,941	\$5,273,409
25	Administrative & General Expenses	\$118,353	\$113,149	\$5,205	(\$28,030)	(\$27,434)	(\$95)	\$90,324	\$85,714	\$4,610
26	Sub Total	\$18,975,863	\$13,151,156	\$5,824,706	(\$2,710,859)	(\$2,508,681)	(\$202,178)	\$16,265,004	\$10,642,476	\$5,622,528
27										
28	TOTAL	\$90,778,557	\$54,756,249	\$36,022,308	(\$15,926,822)	(\$10,122,170)	(\$5,804,652)	\$74,851,735	\$44,634,079	\$30,217,656
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

(b)-(c) Per Company Books

Line Notes

1(e)-(f) Sum of Page 5, Lines 2, 6, 9, 12, 15, 18, 21, 25, and 28
2(e)-(f) Sum of Page 5, Lines 3, 5, 7, 10, 13, 16, 19, 22, 24, 26, and 29
3(e)-(f) Sum of Page 5, Lines 4, 8, 11, 14, 17, 20, 23, 27, and 30

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Labor - Expense Type

	Test Year Ended June 30, 2017 (as Adjusted)			Pro forma 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	\$36,519,770	\$20,578,183	\$15,941,586	\$6,107,332	\$4,197,657	\$1,909,675	\$42,627,102	\$24,775,840	\$17,851,262
2	National Grid USA Service Company	\$36,690,305	\$22,931,812	\$13,758,493	\$4,595,142	\$2,869,320	\$1,725,823	\$41,285,448	\$25,801,132	\$15,484,316
3	All Other Companies	\$1,641,661	\$1,124,084	\$517,576	\$104,885	\$65,436	\$39,450	\$1,746,546	\$1,189,520	\$557,026
4	Total	\$74,851,735	\$44,634,080	\$30,217,656	\$10,807,360	\$7,132,412	\$3,674,947	\$85,659,095	\$51,766,492	\$33,892,603
5										
6										
7	Operation:									
8	Production Expenses	(\$43,352)	(\$43,352)	\$0	(\$6,928)	(\$6,928)	\$0	(\$50,279)	(\$50,279)	\$0
9	Power Production Expenses	\$35	\$0	\$35	\$4	\$0	\$4	\$40	\$0	\$40
10	Natural Gas Storage, Terminating and Processing Exp.	\$1,345,001	\$0	\$1,345,001	\$163,574	\$0	\$163,574	\$1,508,575	\$0	\$1,508,575
11	Transmission Expenses	(\$1,096,226)	(\$1,095,882)	(\$345)	(\$175,161)	(\$175,119)	(\$42)	(\$1,271,388)	(\$1,271,001)	(\$386)
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$22,073,793	\$12,018,620	\$10,055,172	\$3,143,414	\$1,920,545	\$1,222,869	\$25,217,206	\$13,939,165	\$11,278,041
14	Customer Accounts Expenses	\$6,775,108	\$3,977,841	\$2,797,267	\$975,841	\$635,649	\$340,192	\$7,750,949	\$4,613,490	\$3,137,459
15	Customer Service and Informational Expenses	\$963,865	\$680,520	\$283,345	\$143,205	\$108,745	\$34,459	\$1,107,070	\$789,265	\$317,805
16	Sales Expenses	\$287,879	(\$41,493)	\$329,372	\$33,426	(\$6,630)	\$40,057	\$321,306	(\$48,123)	\$369,429
17	Administrative & General Expenses	\$28,280,628	\$18,495,349	\$9,785,279	\$4,145,555	\$2,955,510	\$1,190,045	\$32,426,183	\$21,450,859	\$10,975,324
18	Sub Total	\$58,586,732	\$33,991,604	\$24,595,128	\$8,422,930	\$5,431,772	\$2,991,159	\$67,009,662	\$39,423,376	\$27,586,286
19										
20										
21										
22	Maintenance:									
23	Transmission Expenses	\$349,330	\$4,821	\$344,510	\$42,668	\$770	\$41,898	\$391,999	\$5,591	\$386,407
24	Distribution Expenses	\$15,825,349	\$10,551,941	\$5,273,409	\$2,327,504	\$1,686,173	\$641,330	\$18,152,853	\$12,238,114	\$5,914,739
25	Administrative & General Expenses	\$90,324	\$85,714	\$4,610	\$14,258	\$13,697	\$561	\$104,581	\$99,411	\$5,170
26	Sub Total	\$16,265,004	\$10,642,476	\$5,622,528	\$2,384,429	\$1,700,641	\$683,789	\$18,649,433	\$12,343,116	\$6,306,317
27										
28	TOTAL	\$74,851,735	\$44,634,079	\$30,217,656	\$10,807,360	\$7,132,412	\$3,674,947	\$85,659,095	\$51,766,492	\$33,892,603
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

(b)-(c) Page 1, Columns (h)-(i)
(e)-(f) Page 5, Lines 43(b) through 45(c)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Labor - Expense Type

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Rate Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Rate 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	\$24,775,840	\$666,346	\$25,442,186	\$718,525	\$26,160,711
2	National Grid USA Service Company	\$25,801,132	\$798,176	\$26,599,307	\$801,513	\$27,400,820
3	All Other Companies	\$1,189,520	\$33,242	\$1,222,762	\$28,312	\$1,251,075
4	Total	\$51,766,492	\$1,497,763	\$53,264,255	\$1,548,350	\$54,812,606
5						
6						
7	Operation:					
8	Production Expenses	(\$50,279)	(\$1,455)	(\$51,734)	(\$1,504)	(\$53,238)
9	Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0
12	Transmission Expenses	(\$1,271,001)	(\$36,774)	(\$1,307,775)	(\$38,016)	(\$1,345,791)
13	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14	Distribution Expenses	\$13,939,165	\$403,303	\$14,342,468	\$416,924	\$14,759,393
15	Customer Accounts Expenses	\$4,613,490	\$133,482	\$4,746,972	\$137,991	\$4,884,963
16	Customer Service and Informational Expenses	\$789,265	\$22,836	\$812,101	\$23,607	\$835,708
18	Sales Expenses	(\$48,123)	(\$1,392)	(\$49,516)	(\$1,439)	(\$50,955)
19	Administrative & General Expenses	\$21,450,859	\$620,639	\$22,071,498	\$641,601	\$22,713,099
20	Sub Total	\$39,423,376	\$1,140,639	\$40,564,015	\$1,179,164	\$41,743,179
21						
22	Maintenance:					
23	Transmission Expenses	\$5,591	\$162	\$5,753	\$167	\$5,920
24	Distribution Expenses	\$12,238,114	\$354,086	\$12,592,200	\$366,045	\$12,958,246
25	Administrative & General Expenses	\$99,411	\$2,876	\$102,287	\$2,973	\$105,261
26	Sub Total	\$12,343,116	\$357,124	\$12,700,241	\$369,186	\$13,069,427
27						
28	TOTAL	\$51,766,492	\$1,497,763	\$53,264,255	\$1,548,350	\$54,812,606
		(\$0)	\$0	(\$0)	\$0	(\$0)

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Lines 52(b) through 54(b)
- (d) Page 5, Lines 61(b) through 63(b)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Labor - Expense Type

	Rate Year Ending August 31, 2019	Adjustments to Reflect Conditions in Rate Year	Data Year 1 Ending August 31, 2020	Adjustments to Reflect Conditions in Rate 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	\$17,851,262	\$585,812	\$18,437,073	\$464,940	\$18,902,013
2	National Grid USA Service Company	\$15,484,316	\$485,482	\$15,969,798	\$460,323	\$16,430,121
3	All Other Companies	\$557,026	\$15,584	\$572,610	\$13,320	\$585,930
4	Total	\$33,892,603	\$1,086,878	\$34,979,482	\$938,583	\$35,918,065
5						
6						
7	Operation:					
8	Production Expenses	\$0	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$40	\$1	\$41	\$1	\$42
10	Natural Gas Storage, Terminating and Processing Exp.	\$1,508,575	\$48,377	\$1,556,952	\$41,777	\$1,598,729
11	Transmission Expenses	(\$386)	(\$12)	(\$399)	(\$11)	(\$410)
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$11,278,041	\$361,668	\$11,639,709	\$312,321	\$11,952,030
14	Customer Accounts Expenses	\$3,137,459	\$100,613	\$3,238,072	\$86,885	\$3,324,958
15	Customer Service and Informational Expenses	\$317,805	\$10,191	\$327,996	\$8,801	\$336,797
16	Sales Expenses	\$369,429	\$11,847	\$381,276	\$10,231	\$391,507
17	Administrative & General Expenses	\$10,975,324	\$351,960	\$11,327,284	\$303,938	\$11,631,222
18	Sub Total	\$27,586,286	\$884,646	\$28,470,932	\$763,943	\$29,234,875
19						
20						
21						
22	Maintenance:					
23	Transmission Expenses	\$386,407	\$12,391	\$398,799	\$10,701	\$409,500
24	Distribution Expenses	\$5,914,739	\$189,676	\$6,104,415	\$163,796	\$6,268,211
25	Administrative & General Expenses	\$5,170	\$166	\$5,336	\$143	\$5,479
26	Sub Total	\$6,306,317	\$202,233	\$6,508,550	\$174,640	\$6,683,190
27						
28	TOTAL	\$33,892,603	\$1,086,878	\$34,979,482	\$938,583	\$35,918,065
		\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Lines 52(c) through 54(c)
- (d) Page 5, Lines 61(c) through 63(c)

The Narragansett Electric Company d/b/a National Grid
The Narragansett Electric Company Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Union	Non-Union	Rate Year Amount	Test Year Amount
		Rate	Year				
		Electric	Electric	Electric	Electric	Electric	Electric
		(a)	(b)	(c)	(d)	(e)	(f)
1	Test Year Total Base Wages			\$27,531,828	\$5,009,953		\$32,541,781
2	Less Test Year Capitalized Wages			\$14,546,826	\$2,756,069		\$17,302,896
3	Test Year O&M Wages			\$12,985,002	\$2,253,883		\$15,238,885
4	O&M Portion		47.16%		44.99%		46.83%
5							
6	Test Year O&M Variable Pay			\$114,710	\$509,397		\$624,107
7	Test Year O&M Overtime Wages			\$4,692,596	\$22,595		\$4,715,191
8	Total Test Year Narragansett Electric Company O&M Wages			\$17,792,308	\$2,785,875		\$20,578,183
9							
10	Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$23,845,332	\$4,733,253	\$28,578,585	
11	Normalize employees serving the electric business from the gas segment			\$5,895,635	\$609,838	\$6,505,473	
12	Test Year Temporary and Seasonal Employees			\$466,499	\$5,921	\$472,420	
13	Incremental Full Time Equivalents			\$2,126,979	\$227,574	\$2,354,553	
14	Vacancies			\$1,490,756	\$101,000	\$1,591,756	
15	Total Steady State Wages at 06/30/17			\$33,825,202	\$5,677,586	\$39,502,788	
16							
17	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.34%	100.00%	\$115,006		\$115,006	
18	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$206,664	\$206,664	
19							
20	Subtotal			\$33,940,208	\$5,884,250	\$39,824,458	
21							
22	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	2.53%	100.00%	\$858,687		\$858,687	
23	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$191,238	\$191,238	
24							
25	Subtotal			\$34,798,895	\$6,075,488	\$40,874,383	
26							
27	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	2.74%	16.99%	\$161,998		\$161,998	
28	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$30,967	\$30,967	
29							
30	Rate Year 8/31/2019 Total Base Wages			\$34,960,893	\$6,106,455	\$41,067,348	
31							
32	Rate Year 8/31/2019 O&M Base Wages			\$16,487,557	\$2,747,294	\$19,234,851	
33							
34	Test Year O&M Non-Financial Variable Pay			\$114,710	\$509,397.12	\$624,107	
35	Test Year O&M Overtime Wages			\$4,692,596	\$22,595	\$4,715,191	
36	Increase Through Rate Year			3.36%	7.55%		
37	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$3,854	\$38,459	\$42,314	
38	Impact of O&M Overtime Wages Increase Through Rate Year			\$157,671	\$1,706	\$159,377	
39							
40	Rate Year 8/31/2019 O&M Wages			\$21,456,388	\$3,319,451	\$24,775,840	\$24,775,840
41							
42	Narragansett Electric Company Wage Adjustment 8/31/2019						\$4,197,657
43							
44	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			(\$206,741)	\$0	(\$206,741)	
45	Incremental Full Time Equivalents, O&M portion			(\$97,499)	\$0	(\$97,499)	
46							
47	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	3.11%	100.00%	\$664,261		\$664,261	
48	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$99,584	\$99,584	
49							
50	Rate Year 8/31/2020 O&M Wages			\$22,023,151	\$3,419,035	\$25,442,186	\$25,442,186
51							
52	Narragansett Electric Company Wage Adjustment 8/31/2020						\$666,346
53							
54	Incremental Full Time Equivalents 09/01/2020 through 8/31/2021			\$34,937	\$0	\$34,937	
55	Incremental Full Time Equivalents, O&M portion			\$16,476	\$0	\$16,476	
56							
57	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	2.72%	100.00%	\$599,478		\$599,478	
58	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$102,571	\$102,571	
59							
60	Rate Year 8/31/2021 O&M Wages			\$22,639,105	\$3,521,606	\$26,160,711	\$26,160,711
61							
62	Narragansett Electric Company Wage Adjustment 8/31/2021						\$718,525

Line Notes

1-8	Workpaper MAL-4 (Rev-2), Page 1	37	Line 34 x Line 36
10	Annualized wages based on June 30, 2017 employee complement and annual salaries	38	Line 35 x Line 36
11	Workpaper MAL-4 (Rev-2), Page 9	40	Sum of Lines 32 through 35 + Line 37 + Line 38
12	Per Company books	42	Line 40(f) - Line 8(f)
13	Workpaper MAL-4 (Rev-2), Page 10	44	Workpaper MAL-4 (Rev-2), Page 10
14	Per Human Resources	45	Line 4 x Line 44
15	Sum of Lines 10 through 14	47-48	(Line 40 + Line 45) x Column (a) x Column (b) Line 47 or Line 48, respectively
17-18	Line 15 x Column (a) x Column (b) Line 17 or Line 18, respectively	50	Line 40 + Sum of Lines 45 through 48
20	Sum of Lines 15 through 18	52	Line 50(f) - Line 40(f)
22-23	Line 20 x Column (a) x Column (b) Line 22 or Line 23, respectively	54	Workpaper MAL-4 (Rev-2), Page 10
25	Sum of Lines 20 through 23	55	Line 4 x Line 54
27-28	Line 25 x Column (a) x Column (b) Line 27 or Line 28, respectively	57-58	(Line 50 + Line 55) x Column (a) x Column (b) Line 57 or Line 58, respectively
30	Sum of Lines 25 through 28	60	Line 50 + Sum of Lines 55 through 58
32	Line 4 x Line 30	62	Line 60(f) - Line 50(f)
34	Line 6 - Band A & B Financial Variable Pay, Workpaper MAL-4 (Rev-2), Page 4		
35	Line 7		
36	(1 + Column (a) x Column (b), Line 17 or Line 18, respectively) x (1 + Column (a) x Column (b), Line 22 or Line 23, respectively) x (1 + Column (a) x Column (b), Line 27 or Line 28, respectively) - 1		

The Narragansett Electric Company d/b/a National Grid
The Narragansett Electric Company Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Rate Year		Test Year	
		Rate	Year	Union	Non-Union	Amount	Amount
		Gas	Gas	Gas	Gas	Gas	Gas
		(a)	(b)	(c)	(d)	(e)	(f)
1	Test Year Total Base Wages			\$25,827,239	\$1,293,667		\$27,120,906
2	Less Test Year Capitalized Wages			\$14,138,118	\$826,373		\$14,964,491
3	Test Year O&M Wages			\$11,689,121	\$467,294		\$12,156,415
4	O&M Portion			45.26%	36.12%		44.82%
5							
6	Test Year O&M Variable Pay			\$136,250	\$337,168		\$473,418
7	Test Year O&M Overtime Wages			\$3,310,002	\$1,751		\$3,311,754
8	Total Test Year Narragansett Electric Company O&M Wages			\$15,135,373	\$806,214		\$15,941,586
9							
10	Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$31,505,956	\$1,780,089	\$33,286,045	
11	Normalize employees serving the electric business from the gas segment			(\$5,895,635)	(\$609,838)	(\$6,505,473)	
12	Test Year Temporary and Seasonal Employees			\$94,585	\$0	\$94,585	
13	Incremental Full Time Equivalents			\$2,005,349	\$544,285	\$2,549,634	
14	Vacancies			\$532,980	\$122,164	\$655,144	
15	Total Steady State Wages at 6/30/17			\$28,243,235	\$1,836,700	\$30,079,934	
16							
17	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.51%	100.00%	\$144,040		\$144,040	
18	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$66,856	\$66,856	
19							
20	Subtotal			\$28,387,275	\$1,903,555	\$30,290,831	
21							
22	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	2.38%	100.00%	\$675,617		\$675,617	
23	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$61,866	\$61,866	
24							
25	Subtotal			\$29,062,892	\$1,965,421	\$31,028,313	
26							
27	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	2.58%	16.99%	\$127,395		\$127,395	
28	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$10,018	\$10,018	
29							
30	Rate Year 8/31/2019 Total Base Wages			\$29,190,287	\$1,975,439	\$31,165,726	
31							
32	Rate Year 8/31/2019 O&M Base Wages			\$13,211,524	\$713,528	\$13,925,052	
33							
34	Test Year O&M Non-Financial Variable Pay			\$136,250	\$337,167.89	\$473,418	
35	Test Year O&M Overtime Wages			\$3,310,002	\$1,751	\$3,311,754	
36	Increase Through Rate Year			3.35%	7.55%		
37	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$4,564	\$25,456	\$30,021	
38	Impact of O&M Overtime Wages Increase Through Rate Year			\$110,885	\$132	\$111,017	
39							
40	Rate Year 8/31/2019 O&M Wages			\$16,773,226	\$1,078,036	\$17,851,262	\$17,851,262
41							
42	Narragansett Electric Company Wage Adjustment 8/31/2019						\$1,909,675
43							
44	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$143,962	\$0	\$143,962	
45	Incremental Full Time Equivalents, O&M portion			\$65,157	\$0	\$65,157	
46							
47	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	2.90%	100.00%	\$488,313		\$488,313	
48	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$32,341	\$32,341	
49							
50	Rate Year 8/31/2020 O&M Wages			\$17,326,696	\$1,110,377	\$18,437,073	\$18,437,073
51							
52	Narragansett Electric Company Wage Adjustment 8/31/2020						\$585,812
53							
54	Incremental Full Time Equivalents 09/01/2020 through 8/31/2021			\$34,065	\$0	\$34,065	
55	Incremental Full Time Equivalents, O&M portion			\$15,418	\$0	\$15,418	
56							
57	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	2.40%	100.00%	\$416,211		\$416,211	
58	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$33,311	\$33,311	
59							
60	Rate Year 8/31/2021 O&M Wages			\$17,758,325	\$1,143,688	\$18,902,013	\$18,902,013
61							
62	Narragansett Electric Company Wage Adjustment 8/31/2021						\$464,940

Line Notes

1-8	Workpaper MAL-4 (Rev-2), Page 1		
10	Annualized wages based on June 30, 2017 employee complement and annual salaries	37	Line 34 x Line 36
11	Workpaper MAL-4 (Rev-2), Page 9	38	Line 35 x Line 36
12	Per Company books	40	Sum of Lines 32 through 35 + Line 37 + Line 38
13	Workpaper MAL-4 (Rev-2), Page 11	42	Line 40(f) - Line 8(f)
14	Per Human Resources	44	Workpaper MAL-4 (Rev-2), Page 11
15	Sum of Lines 10 through 14	45	Line 4 x Line 44
17-18	Line 15 x Column (a) x Column (b) Line 17 or Line 18, respectively	47-48	(Line 40 + Line 45) x Column (a) x Column (b) Line 47 or Line 48, respectively
20	Sum of Lines 15 through 18	50	Line 40 + Sum of Lines 45 through 48
22-23	Line 20 x Column (a) x Column (b) Line 22 or Line 23, respectively	52	Line 50(f) - Line 40(f)
25	Sum of Lines 20 through 23	54	Workpaper MAL-4 (Rev-2), Page 11
27-28	Line 25 x Column (a) x Column (b) Line 27 or Line 28, respectively	55	Line 4 x Line 54
30	Sum of Lines 25 through 28	57-58	(Line 50 + Line 55) x Column (a) x Column (b) Line 57 or Line 58, respectively
32	Line 4 x Line 30	60	Line 50 + Sum of Lines 55 through 58
34	Line 6 - Band A & B Financial Variable Pay, Workpaper MAL-4 (Rev-2), Page 4	62	Line 60(f) - Line 50(f)
35	Line 7		
36	(1 + Column (a) x Column (b), Line 17 or Line 18, respectively) x (1 + Column (a) x Column (b), Line 22 or Line 23, respectively) x (1 + Column (a) x Column (b), Line 27 or Line 28, respectively) - 1		

The Narragansett Electric Company d/b/a National Grid
Service Company Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Rate Year		Test Year
		Rate	Year	Union	Non-Union	Amount
		Electric	Electric	Electric	Electric	Electric
		(a)	(b)	(c)	(d)	(f)
1	Service Company Test Year Total Base Wages			\$88,805,821	\$465,382,043	\$554,187,863
2						
3	Narragansett Electric Company Share of Test Year Total Base Wages			\$6,731,440	\$28,683,496	\$35,414,936
4	Less Test Year Capitalized Wages			\$4,068,277	\$11,025,070	\$15,093,347
5	Test Year O&M Wages			\$2,663,163	\$17,658,426	\$20,321,590
6	O&M Portion			39.56%	61.56%	57.38%
7						
8	Test Year O&M Variable Pay			\$36,870	\$2,194,085	\$2,230,955
9	Test Year O&M Overtime Wages			\$284,136	\$95,132	\$379,267
10	Total Test Year Service Company Wages to Narragansett Electric Company O&M			\$2,984,169	\$19,947,643	\$22,931,813
11						
12	Total Service Company Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$94,499,627	\$494,100,352	\$588,599,980
13	Narragansett Electric Company Share of Base Wages 6/30/17			7.58%	6.16%	6.39%
14						
15	Steady State Wages at 6/30/17 Charged to Narragansett Company			\$7,163,028	\$30,453,529	\$37,616,557
16	Test Year Temporary and Seasonal Employees			\$0	\$53,564	\$53,564
17	Incremental Full Time Equivalents			\$26,943	\$659,863	\$686,805
18	Vacancies			\$0	\$0	\$0
19	Total Steady State Wages at 6/30/17			\$7,189,971	\$31,166,956	\$38,356,927
20						
21	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.32%	100.00%	\$23,008		\$23,008
22	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$1,134,477	\$1,134,477
23						
24	Subtotal			\$7,212,979	\$32,301,433	\$39,514,412
25						
26	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	2.51%	100.00%	\$181,046		\$181,046
27	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$1,049,797	\$1,049,797
28						
29	Subtotal			\$7,394,025	\$33,351,230	\$40,745,255
30						
31	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	2.72%	16.99%	\$34,170		\$34,170
32	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$169,991	\$169,991
33						
34	Rate Year 8/31/2019 Total Base Wages			\$7,428,195	\$33,521,221	\$40,949,416
35						
36	Rate Year 8/31/2019 O&M Base Wages			\$2,938,594	\$20,635,664	\$23,574,258
37						
38	Test Year O&M Non-Financial Variable Pay			\$36,870	\$1,667,066	\$1,703,936
39	Test Year O&M Overtime Wages			\$284,136	\$95,132	\$379,267
40	Increase Through Rate Year			3.31%	7.55%	
41	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$1,220	\$125,863	\$127,084
42	Impact of O&M Overtime Wages Increase Through Rate Year			\$9,405	\$7,182	\$16,587
43						
44	Rate Year O&M Wages			\$3,270,225	\$22,530,908	\$25,801,132
45						
46	Narragansett Electric Company Wage Adjustment 8/31/2019					\$2,869,320
47						
48	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$0	\$33,948	\$33,948
49	Incremental Full Time Equivalents, O&M portion			\$0	\$20,898	\$20,898
50						
51	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	3.08%	100.00%	\$100,723		\$100,723
52	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$676,554	\$676,554
53						
54	Rate Year 8/31/2020 O&M Wages			\$3,370,948	\$23,228,360	\$26,599,308
55						
56	Narragansett Electric Company Wage Adjustment 8/31/2020					\$798,176
57						
58	Incremental Full Time Equivalents 09/01/2020 through 8/31/2021			\$0	\$22,585	\$22,585
59	Incremental Full Time Equivalents, O&M portion			\$0	\$13,904	\$13,904
60						
61	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	2.68%	100.00%	\$90,341		\$90,341
62	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$697,268	\$697,268
63						
64	Rate Year 8/31/2021 O&M Wages			\$3,461,289	\$23,939,532	\$27,400,821
65						
66	Narragansett Electric Company Wage Adjustment 8/31/2021					\$801,513

Line Notes

1	Per Company books	41	Line 38 x Line 40
3-10	Workpaper MAL-4 (Rev-2), Page 2	42	Line 39 x Line 40
12	Annualized wages based on June 30, 2017 employee complement and annual salaries	44	Sum of Lines 36 through 39 + Line 41 + Line 42
13	Line 3 / Line 1	46	Line 44(f) - Line 10(f)
15	Line 12 x Line 13	48	Workpaper MAL-4 (Rev-2), Pages 11-12
16	Per Company books	49	Line 6 x Line 48
17	Workpaper MAL-4 (Rev-2), Pages 11-12	51-52	(Line 44 + Line 49) x Column (a) x Column (b) Line 51 or Line 52, respectively
19	Sum of Lines 15 through 18	54	Line 44 + Sum of Lines 49 through 52
21-22	Line 19 x Column (a) x Column (b) Line 21 or Line 22, respectively	56	Line 54(f) - Line 44(f)
24	Sum of Lines 18 through 22	58	Workpaper MAL-4 (Rev-2), Pages 11-12
26-27	Line 24 x Column (a) x Column (b) Line 26 or Line 27, respectively	59	Line 6 x Line 58
29	Sum of Lines 24 through 27	61-62	(Line 54 + Line 59) x Column (a) x Column (b) Line 61 or Line 62, respectively
31-32	Line 29 x Column (a) x Column (b) Line 31 or Line 32, respectively	64	Line 54 + Sum of Lines 59 through 62
34	Sum of Lines 29 through 32	66	Line 64(f) - Line 54(f)
36	Line 6 x Line 34		
38	Line 8 - Band A & B Financial Variable Pay, Workpaper MAL-4 (Rev-2), Page 5		
39	Line 9		
40	(1 + Column (a) x Column (b), Line 21 or Line 22, respectively) x (1 + Column (a) x Column (b), Line 26 or Line 27, respectively) x (1 + Column (a) x Column (b), Line 31 or Line 32, respectively) - 1		

The Narragansett Electric Company d/b/a National Grid
Service Company Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Rate Year		Test Year	
		Rate	Year	Union	Non-Union	Amount	
		Gas	Gas	Gas	Gas	Gas	
		(a)	(b)	(c)	(d)	(e)	(f)
1	Service Company Test Year Total Base Wages			\$88,805,821	\$465,382,043		\$554,187,863
2							
3	Narragansett Electric Company Share of Test Year Total Base Wages			\$3,148,702	\$17,355,745		\$20,504,447
4	Less Test Year Capitalized Wages			\$1,438,175	\$6,039,697		\$8,377,872
5	Test Year O&M Wages			\$1,710,527	\$10,416,049		\$12,126,576
6	O&M Portion			54.32%	60.01%		59.14%
7							
8	Test Year O&M Variable Pay			\$24,843	\$1,267,497		\$1,292,340
9	Test Year O&M Overtime Wages			\$283,559	\$56,019		\$339,578
10	Total Test Year Service Company Wages to Narragansett Electric Company O&M			\$2,018,928	\$11,739,565		\$13,758,493
11							
12	Total Service Company Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$94,499,627	\$494,100,352	\$588,599,980	
13	Narragansett Electric Company Share of Base Wages 6/30/17			3.55%	3.73%	3.70%	
14							
15	Steady State Wages at 6/30/17 Charged to Narragansett Electric Company			\$3,350,582	\$18,426,753	\$21,777,335	
16	Test Year Temporary and Seasonal Employees			\$0	\$33,340	\$33,340	
17	Incremental Full Time Equivalents			\$12,603	\$399,268	\$411,871	
18	Vacancies			\$0	\$0	\$0	
19	Total Steady State Wages at 6/30/17			\$3,363,184	\$18,859,361	\$22,222,545	
20							
21	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.72%	100.00%	\$24,215		\$24,215	
22	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$686,481	\$686,481	
23							
24	Subtotal			\$3,387,399	\$19,545,841	\$22,933,241	
25							
26	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	3.02%	100.00%	\$102,299		\$102,299	
27	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$635,240	\$635,240	
28							
29	Subtotal			\$3,489,699	\$20,181,081	\$23,670,780	
30							
31	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	4.21%	16.99%	\$24,961		\$24,961	
32	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$102,863	\$102,863	
33							
34	Rate Year 8/31/2019 Total Base Wages			\$3,514,660	\$20,283,944	\$23,798,604	
35							
36	Rate Year 8/31/2019 O&M Base Wages			\$1,909,163	\$12,172,395	\$14,081,558	
37							
38	Test Year O&M Non-Financial Variable Pay			\$24,843	\$948,610	\$973,453	
39	Test Year O&M Overtime Wages			\$283,559	\$56,019	\$339,578	
40	Increase Through Rate Year			4.50%	7.55%		
41	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$1,118	\$71,620	\$72,738	
42	Impact of O&M Overtime Wages Increase Through Rate Year			\$12,760	\$4,229	\$16,990	
43							
44	Rate Year O&M Wages			\$2,231,443	\$13,252,873	\$15,484,316	\$15,484,316
45							
46	Narragansett Electric Company Wage Adjustment 8/31/2019						\$1,725,823
47							
48	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$0	\$20,541	\$20,541	
49	Incremental Full Time Equivalents, O&M portion			\$0	\$12,327	\$12,327	
50							
51	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	3.37%	100.00%	\$75,200		\$75,200	
52	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$397,956	\$397,956	
53							
54	Rate Year 8/31/2020 O&M Base Wages			\$2,306,642	\$13,663,156	\$15,969,798	\$15,969,798
55							
56	Narragansett Electric Company Wage Adjustment 8/31/2020						\$485,482
57							
58	Incremental Full Time Equivalents 09/01/2020 through 8/31/2021			\$0	\$13,666	\$13,666	
59	Incremental Full Time Equivalents, O&M portion			\$0	\$8,201	\$8,201	
60							
61	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	1.82%	100.00%	\$41,981		\$41,981	
62	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$410,141	\$410,141	
63							
64	Rate Year 8/31/2021 O&M Base Wages			\$2,348,623	\$14,081,498	\$16,430,121	\$16,430,121
65							
66	Narragansett Electric Company Wage Adjustment 8/31/2021						\$460,323

Line Notes

1	Per Company books	41	Line 38 x Line 40
3-10	Workpaper MAL-4 (Rev-2), Page 2	42	Line 39 x Line 40
12	Annualized wages based on June 30, 2017 employee complement and annual salaries	44	Sum of Lines 36 through 39 + Line 41 + Line 42
13	Line 3 / Line 1	46	Line 44(f) - Line 10(f)
15	Line 12 x Line 13	48	Workpaper MAL-4 (Rev-2), Pages 11-12
16	Per Company books	49	Line 6 x Line 48
17	Workpaper MAL-4 (Rev-2), Pages 11-12	51-52	(Line 44 + Line 49) x Column (a) x Column (b) Line 51 or Line 52, respectively
19	Sum of Lines 15 through 18	54	Line 44 + Sum of Lines 49 through 52
21-22	Line 19 x Column (a) x Column (b) Line 21 or Line 22, respectively	56	Line 54(f) - Line 44(f)
24	Sum of Lines 18 through 22	58	Workpaper MAL-4 (Rev-2), Pages 11-12
26-27	Line 24 x Column (a) x Column (b) Line 26 or Line 27, respectively	59	Line 6 x Line 58
29	Sum of Lines 24 through 27	61-62	(Line 54 + Line 59) x Column (a) x Column (b) Line 61 or Line 62, respectively
31-32	Line 29 x Column (a) x Column (b) Line 31 or Line 32, respectively	64	Line 54 + Sum of Lines 59 through 62
34	Sum of Lines 29 through 32	66	Line 64(f) - Line 54(f)
36	Line 6 x Line 34		
38	Line 8 - Band A & B Financial Variable Pay, Workpaper MAL-4 (Rev-2), Page 5		
39	Line 9		
40	(1 + Column (a) x Column (b), Line 21 or Line 22, respectively) x (1 + Column (a) x Column (b), Line 26 or Line 27, respectively) x (1 + Column (a) x Column (b), Line 31 or Line 32, respectively) - 1		

The Narragansett Electric Company d/b/a National Grid
Other Affiliates Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Rate Year		Test Year Amount
		Rate	Year	Union	Non-Union	
		Electric	Electric	Electric	Electric	Electric
		(a)	(b)	(c)	(d)	(f)
1	Other Affiliates Test Year Total Base Wages			\$627,727,377	\$127,406,430	\$755,133,806
2						
3	Narragansett Electric Company Share of Test Year Total Base Wages			\$1,581,078	\$386,682	\$1,967,760
4	Less Test Year Capitalized Wages			\$728,879	\$223,147	\$952,026
5	Test Year O&M Wages			\$852,199	\$163,535	\$1,015,734
6	O&M Portion			53.90%	42.29%	51.62%
7						
8	Test Year O&M Variable Pay			\$26,497	\$6,789	\$33,287
9	Test Year O&M Overtime Wages			\$78,504	(\$3,440)	\$75,064
10	Total Test Year Other Affiliates Wages to Narragansett Electric Company O&M			\$957,200	\$166,884	\$1,124,084
11						
12	Total Affiliates Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$652,183,071	\$123,158,619	\$775,341,689
13	Narragansett Electric Company Share of Base Wages 6/30/17			0.25%	0.30%	0.26%
14						
15	Steady State Wages at 6/30/17 Charged to Narragansett Electric Company			\$1,630,458	\$369,476	\$1,999,934
16	Test Year Temporary and Seasonal Employees			\$0	\$448	\$448
17	Incremental Full Time Equivalents			\$0	\$0	\$0
18	Vacancies			\$0	\$0	\$0
19	Total Steady State Wages at 6/30/17			\$1,630,458	\$369,924	\$2,000,382
20						
21	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.58%	100.00%	\$9,457		\$9,457
22	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$13,465	\$13,465
23						
24	Subtotal			\$1,639,914	\$383,389	\$2,023,304
25						
26	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	2.47%	100.00%	\$40,506		\$40,506
27	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$12,460	\$12,460
28						
29	Subtotal			\$1,680,420	\$395,849	\$2,076,270
30						
31	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	2.46%	16.99%	\$7,023		\$7,023
32	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$2,018	\$2,018
33						
34	Rate Year 8/31/2019 Total Base Wages			\$1,687,444	\$397,867	\$2,085,311
35						
36	Rate Year 8/31/2019 O&M Base Wages			\$909,532	\$168,258	\$1,077,790
37						
38	Test Year O&M Non-Financial Variable Pay			\$26,497	\$6,280	\$32,777
39	Test Year O&M Overtime Wages			\$78,504	(\$3,440)	\$75,064
40	Increase Through Rate Year			3.50%	7.55%	
41	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$927	\$474	\$1,402
42	Impact of O&M Overtime Wages Increase Through Rate Year			\$2,748	(\$260)	\$2,488
43						
44	Rate Year O&M Wages			\$1,018,208	\$171,312	\$1,189,520
45						
46	Narragansett Electric Company Wage Adjustment 8/31/2019					\$65,436
47						
48	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$0	\$0	\$0
49	Incremental Full Time Equivalents, O&M portion			\$0	\$0	\$0
50						
51	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	2.76%	100.00%	\$28,103		\$28,103
52	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$5,139	\$5,139
53						
54	Rate Year 8/31/2020 O&M Wages			\$1,046,311	\$176,452	\$1,222,762
55						
56	Narragansett Electric Company Wage Adjustment 8/31/2020					\$33,242
57						
58	Incremental Full Time Equivalents 09/01/2020 through 8/31/2021			\$0	\$0	\$0
59	Incremental Full Time Equivalents, O&M portion			\$0	\$0	\$0
60						
61	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	2.20%	100.00%	\$23,019		\$23,019
62	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$5,294	\$5,294
63						
64	Rate Year 8/31/2021 O&M Wages			\$1,069,330	\$181,745	\$1,251,075
65						
66	Narragansett Electric Company Wage Adjustment 8/31/2021					\$28,312

Line Notes

1	Per Company books	41	Line 38 x Line 40
3-10	Workpaper MAL-4 (Rev-2), Page 2	42	Line 39 x Line 40
12	Annualized wages based on June 30, 2017 employee complement and annual salaries	44	Sum of Lines 36 through 39 + Line 41 + Line 42
13	Line 3 / Line 1	46	Line 44(f) - Line 10(f)
15	Line 12 x Line 13	49	Line 6 x Line 48
16	Per Company books	51-52	(Line 44 + Line 49) x Column (a) x Column (b) Line 51 or Line 52, respectively
19	Sum of Lines 15 through 18	54	Line 44 + Sum of Lines 49 through 52
21-22	Line 19 x Column (a) x Column (b) Line 21 or Line 22, respectively	56	Line 54(f) - Line 44(f)
24	Sum of Lines 18 through 22	59	Line 6 x Line 58
26-27	Line 24 x Column (a) x Column (b) Line 26 or Line 27, respectively	61-62	(Line 54 + Line 59) x Column (a) x Column (b) Line 61 or Line 62, respectively
29	Sum of Lines 24 through 27	64	Line 54 + Sum of Lines 59 through 62
31-32	Line 29 x Column (a) x Column (b) Line 31 or Line 32, respectively	66	Line 64(f) - Line 54(f)
34	Sum of Lines 29 through 32		
36	Line 6 x Line 34		
38	Line 8 - Band A & B Financial Variable Pay, Workpaper MAL-4 (Rev-2), Page 5		
39	Line 9		
40	(1 + Column (a) x Column (b), Line 21 or Line 22, respectively) x (1 + Column (a) x Column (b), Line 26 or Line 27, respectively) x (1 + Column (a) x Column (b), Line 31 or Line 32, respectively) - 1		

The Narragansett Electric Company d/b/a National Grid
Other Affiliates Employees Salary and Wages
Rate Year Ending August 31, 2019, August 31, 2020 and August 31, 2021

Line	Description	Portion of		Rate Year		Test Year
		Rate	Year	Amount	Amount	
		Gas	Gas	Gas	Gas	Gas
		(a)	(b)	(c)	(d)	(f)
1	Other Affiliates Test Year Total Base Wages			\$627,727,377	\$127,406,430	\$755,133,806
2						
3	Narragansett Electric Company Share of Test Year Total Base Wages			\$476,648	\$81,071	\$557,719
4	Less Test Year Capitalized Wages			\$99,232	\$10,036	\$109,268
5	Test Year O&M Wages			\$377,416	\$71,035	\$448,451
6	O&M Portion			79.18%	87.62%	80.41%
7						
8	Test Year O&M Variable Pay			\$18,870	\$9,935	\$28,804
9	Test Year O&M Overtime Wages			\$39,984	\$338	\$40,321
10	Total Test Year Other Affiliates Wages to Narragansett Electric Company O&M			\$436,269	\$81,307	\$517,576
11						
12	Total Affiliates Steady State Wages at 6/30/17 (excluding Temporary Employees)			\$656,313,717	\$127,331,459	\$783,645,176
13	Narragansett Electric Company Share of Base Wages 6/30/17			0.08%	0.06%	0.07%
14						
15	Steady State Wages at 6/30/17 Charged to Narragansett Electric Company			\$498,354	\$81,023	\$579,378
16	Test Year Temporary and Seasonal Employees			\$159	\$469	\$628
17	Incremental Full Time Equivalents			\$0	\$0	\$0
18	Vacancies			\$0	\$0	\$0
19	Total Steady State Wages at 6/30/17			\$498,514	\$81,492	\$580,005
20						
21	Weighted Union Wage Increases Effective 07/01/2017 through 06/30/2018	0.53%	100.00%	\$2,642		\$2,642
22	Non-Union Wage Increase Effective 07/01/17 through 06/30/18 (12 Months)	3.64%	100.00%		\$2,966	\$2,966
23						
24	Subtotal			\$501,156	\$84,458	\$585,614
25						
26	Weighted Union Wage Increases Effective 07/01/2018 through 06/31/2019	2.49%	100.00%	\$12,479		\$12,479
27	Non-Union Wage Increase Effective 07/01/18 through 06/30/19 (12 Months)	3.25%	100.00%		\$2,745	\$2,745
28						
29	Subtotal			\$513,635	\$87,203	\$600,837
30						
31	Weighted Union Wage Increases Effective 07/01/2019 through 08/31/2019	2.47%	16.99%	\$2,155		\$2,155
32	Non-Union Wage Increase Effective 07/01/19 through 08/31/19 (2 Months)	3.00%	16.99%		\$444	\$444
33						
34	Rate Year 8/31/2019 Total Base Wages			\$515,790	\$87,647	\$603,437
35						
36	Rate Year 8/31/2019 O&M Base Wages			\$408,403	\$76,796	\$485,199
37						
38	Test Year O&M Non-Financial Variable Pay			\$18,870	\$9,826	\$28,696
39	Test Year O&M Overtime Wages			\$39,984	\$338	\$40,321
40	Increase Through Rate Year			3.47%	7.55%	
41	Impact of O&M Non-Financial Variable Pay Increase Through Rate Year			\$655	\$742	\$1,397
42	Impact of O&M Overtime Wages Increase Through Rate Year			\$1,387	\$25	\$1,413
43						
44	Rate Year O&M Wages			\$469,298	\$87,728	\$557,026
45						
46	Narragansett Electric Company Wage Adjustment 8/31/2019					\$39,450
47						
48	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$0	\$0	\$0
49	Incremental Full Time Equivalents, O&M portion			\$0	\$0	\$0
50						
51	Weighted Union Wage Increases Effective 09/01/2019 through 08/31/2020	2.76%	100.00%	\$12,953		\$12,953
52	Non-Union Wage Increase Effective 09/01/19 through 08/31/20 (12 Months)	3.00%	100.00%		\$2,632	\$2,632
53						
54	Rate Year 8/31/2020 O&M Wages			\$482,251	\$90,360	\$572,610
55						
56	Narragansett Electric Company Wage Adjustment 8/31/2020					\$15,584
57						
58	Incremental Full Time Equivalents 09/01/2019 through 8/31/2020			\$0	\$0	\$0
59	Incremental Full Time Equivalents, O&M portion			\$0	\$0	\$0
60						
61	Weighted Union Wage Increases Effective 09/01/2020 through 08/31/2021	2.20%	100.00%	\$10,610		\$10,610
62	Non-Union Wage Increase Effective 09/01/20 through 08/31/21 (12 Months)	3.00%	100.00%		\$2,711	\$2,711
63						
64	Rate Year 8/31/2021 O&M Base Wages			\$492,860	\$93,070	\$585,930
65						
66	Narragansett Electric Company Wage Adjustment 8/31/2021					\$13,320

Line Notes

1	Per Company books	41	Line 38 x Line 40
3-10	Workpaper MAL-4, Page 3	42	Line 39 x Line 40
12	Annualized wages based on June 30, 2017 employee complement and annual salaries	44	Sum of Lines 36 through 39 + Line 41 + Line 42
13	Line 3 / Line 1	46	Line 44(f) - Line 10(f)
15	Line 12 x Line 13	49	Line 6 x Line 48
16	Per Company books	51-52	(Line 44 + Line 49) x Column (a) x Column (b) Line 51 or Line 52, respectively
19	Sum of Lines 15 through 18	54	Line 44 + Sum of Lines 49 through 52
21-22	Line 19 x Column (a) x Column (b) Line 21 or Line 22, respectively	56	Line 54(f) - Line 44(f)
24	Sum of Lines 18 through 22	59	Line 6 x Line 58
26-27	Line 24 x Column (a) x Column (b) Line 26 or Line 27, respectively	61-62	(Line 54 + Line 59) x Column (a) x Column (b) Line 61 or Line 62, respectively
29	Sum of Lines 24 through 27	64	Line 54 + Sum of Lines 59 through 62
31-32	Line 29 x Column (a) x Column (b) Line 31 or Line 32, respectively	66	Line 64(f) - Line 54(f)
34	Sum of Lines 29 through 32		
36	Line 6 x Line 34		
38	Line 8 - Band A & B Financial Variable Pay, Workpaper MAL-4, Page 6		
39	Line 9		
40	(1 + Column (a) x Column (b), Line 21 or Line 22, respectively) x (1 + Column (a) x Column (b), Line 26 or Line 27, respectively) x (1 + Column (a) x Column (b), Line 31 or Line 32, respectively) - 1		

Schedule MAL-13 (REV-2)

Health Care

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

	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)	Gas (i)	
Provider Company:										
1	Narragansett Electric Company	\$5,255,398	\$3,010,190	\$2,245,208	(\$455,371)	(\$455,371)	\$0	\$4,800,027	\$2,554,819	\$2,245,208
2	National Grid USA Service Company	\$6,887,847	\$4,751,409	\$2,136,438	(\$697,485)	(\$697,485)	\$0	\$6,190,362	\$4,053,924	\$2,136,438
3	All Other Companies	\$198,456	\$140,104	\$58,352	(\$33,410)	(\$33,410)	\$0	\$165,046	\$106,694	\$58,352
4	Total	\$12,341,700	\$7,901,703	\$4,439,997	(\$1,186,265)	(\$1,186,265)	\$0	\$11,155,435	\$6,715,438	\$4,439,997
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
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	\$12,341,700	\$7,901,703	\$4,439,997	(\$1,186,265)	(\$1,186,265)	\$0	\$11,155,435	\$6,715,438	\$4,439,997
20	Sub Total	\$12,341,700	\$7,901,703	\$4,439,997	(\$1,186,265)	(\$1,186,265)	\$0	\$11,155,435	\$6,715,438	\$4,439,997
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
28	TOTAL	\$12,341,700	\$7,901,703	\$4,439,997	(\$1,186,265)	(\$1,186,265)	\$0	\$11,155,435	\$6,715,438	\$4,439,997
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) and (c) Per Company Books
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 2(b) + Line 6(b) + Line 10(b)
- 2(e) Page 5, Line 3(b) + Line 7(b) + Line 11(b)
- 3(e) Page 5, Line 4(b) + Line 8(b) + Line 12(b)
- 1(f) Page 5, Line 2(c) + Line 6(c) + Line 10(c)
- 2(f) Page 5, Line 3(c) + Line 7(c) + Line 11(c)
- 3(f) Page 5, Line 4(c) + Line 8(c) + Line 12(c)
- 19 Equals Line 4

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

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total	Electric	Gas	Total	Electric	Gas	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)							(d) = (e) + (f)
Provider Company:										
1	Narragansett Electric Company	\$4,800,027	\$2,554,819	\$2,245,208	\$1,373,946	\$976,092	\$397,854	\$6,173,973	\$3,530,911	\$2,643,061
2	National Grid USA Service Company	\$6,190,362	\$4,053,924	\$2,136,438	(\$1,563,392)	(\$1,156,156)	(\$407,235)	\$4,626,971	\$2,897,768	\$1,729,203
3	All Other Companies	\$165,046	\$106,694	\$58,352	\$0	\$0	\$0	\$165,046	\$106,694	\$58,352
4	Total	\$11,155,435	\$6,715,438	\$4,439,997	(\$189,446)	(\$180,064)	(\$9,381)	\$10,965,989	\$6,535,374	\$4,430,616
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
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	\$11,155,435	\$6,715,438	\$4,439,997	(\$189,446)	(\$180,064)	(\$9,381)	\$10,965,989	\$6,535,374	\$4,430,616
20	Sub Total	\$11,155,435	\$6,715,438	\$4,439,997	(\$189,446)	(\$180,064)	(\$9,381)	\$10,965,989	\$6,535,374	\$4,430,616
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	\$11,155,435	\$6,715,438	\$4,439,997	(\$189,446)	(\$180,064)	(\$9,381)	\$10,965,989	\$6,535,374	\$4,430,616
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) Page 1, Column (h)
- (c) Page 1, Column (i)
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 21(b)
- 2(e) Page 5, Line 22(b)
- 1(f) Page 5, Line 21(c)
- 2(f) Page 5, Line 22(c)
- 19 Equals Line 4

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

	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	\$3,530,911	\$102,043	\$3,632,955	\$3,738,674	
2	National Grid USA Service Company	\$2,897,768	\$83,745	\$2,981,513	\$3,068,275	
3	All Other Companies	\$106,694	\$3,083	\$109,778	\$112,972	
4	Total	<u>\$6,535,374</u>	<u>\$188,872</u>	<u>\$6,724,246</u>	<u>\$6,919,921</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	\$6,535,374	\$188,872	\$6,724,246	\$6,919,921	
20	Sub Total	<u>\$6,535,374</u>	<u>\$188,872</u>	<u>\$6,724,246</u>	<u>\$6,919,921</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>\$6,535,374</u>	<u>\$188,872</u>	<u>\$6,724,246</u>	<u>\$6,919,921</u>	
		\$0	\$0	\$0	\$0	

Column Notes

(a) Page 2, Column (h)

Line Notes

- 1(b) Page 5, Line 21(b)
- 2(b) Page 5, Line 22(b)
- 3(b) Page 5, Line 23(b)
- 1(d) Page 5, Line 30(b)
- 2(d) Page 5, Line 31(b)
- 3(d) Page 5, Line 32(b)
- 19 Equals Line 4

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

	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	\$2,643,061	\$84,842	\$2,727,904	\$73,108	\$2,801,011
2	National Grid USA Service Company	\$1,729,203	\$55,507	\$1,784,710	\$47,830	\$1,832,541
3	All Other Companies	\$58,352	\$1,873	\$60,225	\$1,614	\$61,839
4	Total	<u>\$4,430,616</u>	<u>\$142,223</u>	<u>\$4,572,839</u>	<u>\$122,552</u>	<u>\$4,695,391</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	\$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	\$4,430,616	\$142,223	\$4,572,839	\$122,552	\$4,695,391
20	Sub Total	<u>\$4,430,616</u>	<u>\$142,223</u>	<u>\$4,572,839</u>	<u>\$122,552</u>	<u>\$4,695,391</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>\$4,430,616</u>	<u>\$142,223</u>	<u>\$4,572,839</u>	<u>\$122,552</u>	<u>\$4,695,391</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(b) Page 5, Line 30(c)
- 2(b) Page 5, Line 31(c)
- 3(b) Page 5, Line 32(c)
- 1(d) Page 5, Line 39(c)
- 2(d) Page 5, Line 40(c)
- 3(d) Page 5, Line 41(c)
- 19 Equals Line 4

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

	Explanation of Adjustments:	Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1	Page 1	<u>Adjustments: (to normalize Historic Year)</u>				
2		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	(\$411,192)	(\$411,192)	\$0
3		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	(\$649,042)	(\$649,042)	\$0
4		(IFA) Integrated Facilities Agreement	All Other Companies	(\$19,138)	(\$19,138)	\$0
5						
6		Inspection & Maintenance	Narragansett Electric Company	(\$44,179)	(\$44,179)	\$0
7		Inspection & Maintenance	National Grid USA Service Company	(\$389)	(\$389)	\$0
8		Inspection & Maintenance	All Other Companies	(\$8,620)	(\$8,620)	\$0
9						
10		Major Storm Activity	Narragansett Electric Company	\$0	\$0	\$0
11		Major Storm Activity	National Grid USA Service Company	(\$48,053)	(\$48,053)	\$0
12		Major Storm Activity	All Other Companies	(\$5,651)	(\$5,651)	\$0
13						
14		TOTAL		<u>(\$1,186,265)</u>	<u>(\$1,186,265)</u>	<u>\$0</u>
15						
16						
17						
18	Page 2	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/19)</u>				
19		To increase costs for:				
20						
21			Narragansett Electric	\$1,373,946	\$976,092	\$397,854
22			National Grid USA Service Co.	(\$1,563,392)	(\$1,156,156)	(\$407,235)
23			All Other Companies	\$0	\$0	\$0
24						
25		TOTAL		<u>(\$189,446)</u>	<u>(\$180,064)</u>	<u>(\$9,381)</u>
26						
27	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/20)</u>				
28						
29		<u>Payroll Inflator</u>				
30		2.89% Electric	Narragansett Electric	\$186,886	\$102,043	\$84,842
31		3.21% Gas	National Grid USA Service Co.	\$139,253	\$83,745	\$55,507
32			All Other Companies	\$4,957	\$3,083	\$1,873
33						
34		TOTAL		<u>\$331,095</u>	<u>\$188,872</u>	<u>\$142,223</u>
35						
36	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/21)</u>				
37						
38		<u>Payroll Inflator</u>				
39		2.91% Electric	Narragansett Electric	\$178,827	\$105,719	\$73,108
40		2.68% Gas	National Grid USA Service Co.	\$134,592	\$86,762	\$47,830
41			All Other Companies	\$4,809	\$3,195	\$1,614
42						
43		TOTAL		<u>\$318,228</u>	<u>\$195,676</u>	<u>\$122,552</u>

Line Notes

- 2(b)-4(b) Workpaper MAL-1 (Rev-2), Line 9
- 6(b) - 8(b) Schedule MAL-3 (Rev-2), Page 6, Line 7(d)
- 10(b) - 12(b) Schedule MAL-3 (Rev-2), Page 6, Line 7(f)
- 21(b) Page 6, Line 35(a) - Page 1, Line 1(h)
- 22(b) Page 6, Line 35(b) - Page 1, Line 2(h)
- 21(c) Page 7, Line 35(a) - Page 1, Line 1(i)
- 22(c) Page 7, Line 35(b) - Page 1, Line 2(i)
- 30(b) Page 3, Line 1(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
- 31(b) Page 3, Line 2(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
- 32(b) Page 3, Line 3(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
- 30(c) Page 4, Line 1(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(j)
- 31(c) Page 4, Line 2(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(j)
- 32(c) Page 4, Line 3(a) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 47(j)
- 39(b) Page 3, Line 1(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
- 40(b) Page 3, Line 2(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
- 41(b) Page 3, Line 3(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
- 39(c) Page 4, Line 1(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)
- 40(c) Page 4, Line 2(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)
- 41(c) Page 4, Line 3(c) * Payroll Inflator Rate from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)

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

Description	Narragansett	National Grid Service	Other Affiliates	Total
	Electric	Company	Electric	Electric
	(a)	(b)	(c)	(d)
1 Total Normalized Test Year Medical and Dental Costs to Narragansett Electric O&M				\$6,715,438
2				
3 <u>Medical and Dental Costs using 6/30/17 enrollment</u>				
4 Medical	\$6,246,260	\$73,893,894	\$0	
5 Dental	\$321,787	\$3,772,222	\$0	
6 Sub-Total Medical and Dental Costs	\$6,568,046	\$77,666,116	\$0	
7				
8				
9 Number of Steady State Rate Year Employees	392	6,051		
10				
11 <u>Healthcare and Dental Costs Per Employee 2018 Rates</u>				
12 Medical	\$15,934	\$12,212		
13 Dental	\$821	\$623		
14 Total Medical and Dental Costs Per Employee 2018 Rates	\$16,755	\$12,835		
15				
16 Incremental Full-Time Equivalents	32	106		
17 Vacancies	26	0		
18 Approved Incremental Full-Time Equivalents and Vacancies	58	106		
19				
20 <u>Sub-Total Medical and Dental Costs for Approved Incremental Full-Time Equivalents and Vacancies</u>				
21 Medical	\$924,191	\$1,294,456		
22 Dental	\$47,611	\$66,081		
23 Sub-Total Medical and Dental Costs	\$971,803	\$1,360,537		
24				
25 <u>Total Medical and Dental Costs</u>				
26 Medical	\$7,170,451	\$75,188,350		
27 Dental	\$369,398	\$3,838,303		
28 Total Medical and Dental Costs	\$7,539,849	\$79,026,653		
29				
30				
31 <u>Share of Medical and Dental Costs for Rate Year Ended August 30, 2019</u>				
32 Percentage Charged to Narragansett Electric - Total	100.00%	6.39%		
33 Percentage Charged to Narragansett Electric - O&M Labor	46.83%	57.38%		
34				
35 Allocation of Rate Year Medical and Dental Costs to O&M	\$3,530,911	\$2,897,768	\$106,694	\$6,535,374
36				
37 Proforma Healthcare Adjustment				(\$180,064)

Line Notes

- 1 Page 1, Line 28(h)
- 4(a) Page 8, Line 1(c)
- 4(b) Page 10, Line 1(c)
- 5(a) Page 8, Line 2(c)
- 5(b) Page 10, Line 2(c)
- 6 Line 4 + Line 5
- 9(a) Workpaper MAL-4 (Rev-2), Page 9, Line 2(f) + Line 4(f)
- 9(b) Workpaper MAL-4 (Rev-2), Page 9, Line 11(f)
- 12 Line 4/Line 9
- 13 Line 5/Line 9
- 14 Line 12 + Line 13
- 16 Workpaper MAL-4 (Rev-2), Pages 10-12
- 17 Workpaper MAL-4 (Rev-2), Page 13
- 21 Line 12 x Line 18
- 22 Line 13 x Line 18
- 23 Line 21 + Line 22
- 26 Line 4 + Line 21
- 27 Line 5 + Line 22
- 28 Line 26 + Line 27
- 32(b) Schedule MAL-12 (Rev-2), Page 8, Line 13(e)
- 33(a) Schedule MAL-12 (Rev-2), Page 6, Line 4(f)
- 33(b) Schedule MAL-12 (Rev-2), Page 8, Line 6(f)
- 35 Line 28 x Line 32 x Line 33
- 37 Line 35 - Line 1

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

Description	Narragansett	National Grid Service	Other Affiliates	Total
	Gas	Company	Gas	Gas
	(a)	(b)	(c)	(d)
1 Total Normalized Test Year Medical and Dental Costs to Narragansett Electric O&M				\$4,439,997
2				
3 <u>Medical and Dental Costs using 6/30/17 enrollment</u>				
4 Medical	\$4,969,152	\$73,893,894	\$0	
5 Dental	\$324,270	\$3,772,222	\$0	
6 Sub-Total Medical and Dental Costs	\$5,293,422	\$77,666,116	\$0	
7				
8				
9 Number of Steady State Rate Year Employees	342	6,051		
10				
11 <u>Healthcare and Dental Costs Per Employee 2018 Rates</u>				
12 Medical	\$14,530	\$12,212		
13 Dental	\$948	\$623		
14 Total Medical and Dental Costs Per Employee 2018 Rates	\$15,478	\$12,835		
15				
16 Incremental Full Time Equivalents	30	106		
17 Vacancies	9	0		
18 Approved Incremental Full-Time Equivalents and Vacancies	39	106		
19				
20 <u>Sub-Total Medical and Dental Costs for Approved Incremental Full-Time Equivalents and Vacancies</u>				
21 Medical	\$566,658	\$1,294,456		
22 Dental	\$36,978	\$66,081		
23 Sub-Total Medical and Dental Costs	\$603,636	\$1,360,537		
24				
25 <u>Total Medical and Dental Costs</u>				
26 Medical	\$5,535,810	\$75,188,350		
27 Dental	\$361,248	\$3,838,303		
28 Total Medical and Dental Costs	\$5,897,058	\$79,026,653		
29				
30				
31 <u>Share of Medical and Dental Costs for Rate Year Ended August 30, 2019</u>				
32 Percentage Charged to Narragansett Electric - Total	100.00%	3.70%		
33 Percentage Charged to Narragansett Electric - O&M Labor	44.82%	59.14%		
34				
35 Allocation of Rate Year Medical and Dental Costs to O&M	\$2,643,061	\$1,729,203	\$58,352	\$4,430,616
36				
37 Proforma Healthcare Adjustment				(\$9,381)

Line Notes

- 1 Page 1, Line 28(c)
- 4(a) Page 5, Line 1(c)
- 4(b) Page 6, Line 1(c)
- 5(a) Page 5, Line 2(c)
- 5(b) Page 6, Line 2(c)
- 6 Line 4 + Line 5
- 9(a) Workpaper MAL-4 (Rev-2), Page 9, Line 3(f) + Line 5(f)
- 9(b) Workpaper MAL-4 (Rev-2), Page 9, Line 11(f)
- 12 Line 4/Line 9
- 13 Line 5/Line 9
- 14 Line 12 + Line 13
- 16 Workpaper MAL-4, Pages 10-12
- 17 Workpaper MAL-4 (Rev-2), Page 13
- 21 Line 12 x Line 18
- 22 Line 13 x Line 18
- 23 Line 21 + Line 22
- 26 Line 4 + Line 21
- 27 Line 5 + Line 22
- 28 Line 26 + Line 27
- 32(b) Schedule MAL-12 (Rev-2), Page 9, Line 13(e)
- 33(a) Schedule MAL-12 (Rev-2), Page 7, Line 4(f)
- 33(b) Schedule MAL-12 (Rev-2), Page 9, Line 6(f)
- 35 Line 28 x Line 32 x Line 33
- 37 Line 35 - Line 1

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data as of June 2017

National Grid - Narragansett Electric

Employer (ER) Contribution

	<u>Non Union</u>	<u>Union</u>	<u>Total</u>		
	<u>Total ER Costs</u> (a)	<u>Total ER Costs</u> (b)	<u>Total ER Costs</u> (c) = (a) + (b)	<u>Steady State</u> <u>Employees</u> (d)	<u>Per Emp Cost</u> (e) = (c) * (d)
1 Medical	\$603,340	\$5,642,920	\$6,246,260	392	\$15,934
2 Dental	\$30,407	\$291,380	\$321,787	392	\$821
3					
4 Total	<u>\$633,746</u>	<u>\$5,934,300</u>	<u>\$6,568,046</u>		<u>\$16,755</u>

Column Notes

- (c) Column (a) + Column (b)
- (d) Workpaper MAL-4 (Rev-2), Page 9, Line 2(f) + Line 4(f)
- (e) Column (c) * Column (d)

Line Notes

- 1(a) Page 11, Line 88
- 1(b) Page 11, Line 88
- 2(a) Page 11, Line 108
- 2(b) Page 11, Line 108

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data as of June 2017

National Grid - Narragansett Gas

Employer (ER) Contribution

	Non Union	Union	Total		
	Total ER Costs (a)	Total ER Costs (b)	Total ER Costs (c) = (a) + (b)	Steady State Employees (d)	Per Emp Cost (e) = (c) * (d)
1 Medical	\$254,866	\$4,714,286	\$4,969,152	342	\$14,530
2 Dental	\$12,010	\$312,260	\$324,270	342	\$948
3					
4 Total	\$266,875	\$5,026,547	\$5,293,422		\$15,478

Column Notes

- (c) Column (a) + Column (b)
- (d) Workpaper MAL-4 (Rev-2), Page 9, Line 3(f) + Line 5(f)
- (e) Column (c) * Column (d)

Line Notes

- 1(a) Page 12, Line 88
- 1(b) Page 12, Line 88
- 2(a) Page 12, Line 108
- 2(b) Page 12, Line 108

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data as of June 2017

National Grid - Service Company
Employer Contribution

	<u>Non Union</u>	<u>Union</u>	<u>Total</u>		
	<u>Total ER Cost</u> (a)	<u>Total ER Cost</u> (b)	<u>Total ER Cost</u> (c) = (a) + (b)	<u>Steady State Employees</u> (d)	<u>Per Emp Cost</u> (e) = (c) * (d)
1 Medical	\$54,802,931	\$19,090,964	\$73,893,894	6,051	\$12,212
2 Dental	\$2,850,220	\$922,002	\$3,772,222	6,051	\$623
3					
4 Total	<u>\$57,653,151</u>	<u>\$20,012,965</u>	<u>\$77,666,116</u>		<u>\$12,835</u>

Column Notes

- (c) Column (a) + Column (b)
- (d) Workpaper MAL-4 (Rev-2), Page 9, Line 11(f)
- (e) Column (c) * Column (d)

Line Notes

- 1(a) Page 13, Line 88
- 1(b) Page 13, Line 88
- 2(a) Page 13, Line 108
- 2(b) Page 13, Line 108

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data for June 2017 and Rates for 2018

**National Grid - Narragansett Electric
Non Union
Medical - Composite Average**

**Union
Medical - Composite Average**

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness & Spousal Surcharge					
EE	\$582	\$10	0	\$0	\$0
EE+Spouse	\$1,043	\$140	0	\$0	\$0
EE+Child(ren)	\$1,035	\$30	0	\$0	\$0
Family	\$1,615	\$160	0	\$0	\$0
	<u>\$4,276</u>	<u>\$340</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness but without Spousal Surcharge					
EE	\$582	\$10	0	\$0	\$0
EE+Spouse	\$1,143	\$40	0	\$0	\$0
EE+Child(ren)	\$1,035	\$30	0	\$0	\$0
Family	\$1,715	\$60	0	\$0	\$0
	<u>\$4,476</u>	<u>\$140</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness but with Spousal Surcharge					
EE	\$532	\$60	0	\$0	\$0
EE+Spouse	\$993	\$190	0	\$0	\$0
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,565	\$210	0	\$0	\$0
	<u>\$4,076</u>	<u>\$540</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness and without Spousal Surcharge					
EE	\$532	\$60	0	\$0	\$0
EE+Spouse	\$1,093	\$90	0	\$0	\$0
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,665	\$110	0	\$0	\$0
	<u>\$4,276</u>	<u>\$340</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE			5	0	\$0
				\$603,340	\$180,240

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE	0	0	44	0	0
				\$5,642,920	\$1,426,816

Dental - Composite Average

Dental - Composite Average

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$24	\$20	9	\$2,546	\$2,160
EE+Spouse	\$47	\$40	11	\$6,222	\$5,280
EE+Child(ren)	\$52	\$45	1	\$629	\$540
Family	\$94	\$60	18	\$20,400	\$12,960
	<u>\$218</u>	<u>\$165</u>	<u>39</u>	<u>\$29,797</u>	<u>\$20,940</u>
				\$29,797	\$20,940

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$36	\$9	98	\$41,823	\$10,456
EE+1	\$71	\$18	98	\$83,646	\$20,912
Family	\$101	\$25	115	\$139,881	\$34,970
	<u>\$208</u>	<u>\$52</u>	<u>311</u>	<u>\$265,351</u>	<u>\$66,338</u>
				\$265,351	\$66,338

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$23	\$15	0	\$0	\$0
EE+Spouse	\$51	\$25	1	\$610	\$300
EE+Child(ren)	\$55	\$30	0	\$0	\$0
Family	\$94	\$40	0	\$0	\$0
	<u>\$223</u>	<u>\$110</u>	<u>1</u>	<u>\$610</u>	<u>\$300</u>
				\$610	\$300

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$34	\$8	10	\$4,054	\$1,014
EE+1	\$68	\$17	10	\$8,109	\$2,027
Family	\$96	\$24	12	\$13,866	\$3,467
	<u>\$198</u>	<u>\$49</u>	<u>32</u>	<u>\$26,029</u>	<u>\$6,507</u>
				\$26,029	\$6,507

				\$30,407	\$21,240
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				\$291,380	\$72,845
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				\$633,746	\$201,480
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				\$5,934,300	\$1,499,661
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The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2017 Plans
Based on Open Enrollment Data for Calendar Year 2017 and Rates for 2018

**National Grid - Narragansett Gas
Non Union**

Medical - Composite Average

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
1	EPO with Wellness & Spousal Surcharge					
2	EE	\$551	\$150	1	\$6,610	\$1,800
3	EE+Spouse	\$952	\$450	1	\$11,420	\$5,400
4	EE+Child(ren)	\$962	\$300	0	\$0	\$0
5	Family	\$1,553	\$550	1	\$18,630	\$6,600
6		\$4,017	\$1,450	3	\$36,661	\$13,800

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
8	EPO with Wellness but without Spousal Surcharge					
9	EE	\$551	\$150	0	\$0	\$0
10	EE+Spouse	\$1,052	\$350	1	\$12,620	\$4,200
11	EE+Child(ren)	\$962	\$300	0	\$0	\$0
12	Family	\$1,653	\$450	3	\$59,491	\$16,200
13		\$4,217	\$1,250	4	\$72,111	\$20,400

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
15	EPO without Wellness but with Spousal Surcharge					
16	EE	\$501	\$200	1	\$6,010	\$2,400
17	EE+Spouse	\$902	\$500	0	\$0	\$0
18	EE+Child(ren)	\$912	\$350	0	\$0	\$0
19	Family	\$1,503	\$600	0	\$0	\$0
20		\$3,817	\$1,650	1	\$6,010	\$2,400

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
22	EPO without Wellness and without Spousal Surcharge					
23	EE	\$501	\$200	0	\$0	\$0
24	EE+Spouse	\$1,002	\$400	1	\$12,020	\$4,800
25	EE+Child(ren)	\$912	\$350	0	\$0	\$0
26	Family	\$1,603	\$500	2	\$38,461	\$12,000
27		\$4,017	\$1,450	3	\$50,481	\$16,800

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
29	CDHP1 - Health Savings Plan with Wellness & Spousal Surcharge					
30	EE	\$607	\$60	0	\$0	\$0
31	EE+Spouse	\$1,085	\$250	1	\$13,019	\$3,000
32	EE+Child(ren)	\$1,071	\$130	0	\$0	\$0
33	Family	\$1,682	\$320	0	\$0	\$0
34		\$4,446	\$760	1	\$13,019	\$3,000

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
36	CDHP1 - Health Savings Plan with Wellness but without Spousal Surcharge					
37	EE	\$607	\$60	0	\$0	\$0
38	EE+Spouse	\$1,185	\$150	1	\$14,219	\$1,800
39	EE+Child(ren)	\$1,071	\$130	0	\$0	\$0
40	Family	\$1,782	\$220	2	\$42,777	\$5,280
41		\$4,646	\$560	3	\$56,996	\$7,080

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
43	CDHP1 - Health Savings Plan without Wellness but with Spousal Surcharge					
44	EE	\$557	\$110	0	\$0	\$0
45	EE+Spouse	\$1,035	\$300	0	\$0	\$0
46	EE+Child(ren)	\$1,021	\$180	0	\$0	\$0
47	Family	\$1,632	\$370	1	\$19,588	\$4,440
48		\$4,246	\$960	1	\$19,588	\$4,440

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
50	CDHP1 - Health Savings Plan without Wellness and without Spousal Surcharge					
51	EE	\$557	\$110	0	\$0	\$0
52	EE+Spouse	\$1,135	\$200	0	\$0	\$0
53	EE+Child(ren)	\$1,021	\$180	0	\$0	\$0
54	Family	\$1,732	\$270	0	\$0	\$0
55		\$4,446	\$760	0	\$0	\$0

Union

Medical - Composite Average

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
PPO	EE	\$624	\$166	71	\$531,646	\$141,135
	EE+1	\$1,325	\$305	9	\$143,112	\$32,906
				0	\$0	\$0
	Family	\$1,508	\$420	198	\$3,583,408	\$998,181
		\$3,457	\$890	278	\$4,258,166	\$1,172,221

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
POS	EE	\$663	\$173	5	\$39,763	\$10,384
	EE+1	\$1,325	\$346	5	\$79,526	\$20,768
				0	\$0	\$0
	Family	\$1,891	\$494	13	\$294,946	\$77,027
		\$3,879	\$1,013	23	\$414,236	\$108,179

		Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP	EE	\$654	\$74	3	\$23,529	\$2,648
	EE+1			0	\$0	\$0
				0	\$0	\$0
	Family	\$1,530	\$170	1	\$18,355	\$2,040
		\$2,183	\$244	4	\$41,884	\$4,688

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2017 Plans
Based on Open Enrollment Data for Calendar Year 2017 and Rates for 2018

**National Grid - Narragansett Gas
Non Union
Medical - Composite Average**

**Union
Medical - Composite Average**

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness & Spousal Surcharge					
EE	\$582	\$10	0	\$0	\$0
EE+Spouse	\$1,043	\$140	0	\$0	\$0
EE+Child(ren)	\$1,035	\$30	0	\$0	\$0
Family	\$1,615	\$160	0	\$0	\$0
	<u>\$4,276</u>	<u>\$340</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness but without Spousal Surcharge					
EE	\$582	\$10	0	\$0	\$0
EE+Spouse	\$1,143	\$40	0	\$0	\$0
EE+Child(ren)	\$1,035	\$30	0	\$0	\$0
Family	\$1,715	\$60	0	\$0	\$0
	<u>\$4,476</u>	<u>\$140</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness but with Spousal Surcharge					
EE	\$532	\$60	0	\$0	\$0
EE+Spouse	\$993	\$190	0	\$0	\$0
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,565	\$210	0	\$0	\$0
	<u>\$4,076</u>	<u>\$540</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness and without Spousal Surcharge					
EE	\$532	\$60	0	\$0	\$0
EE+Spouse	\$1,093	\$90	0	\$0	\$0
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,665	\$110	0	\$0	\$0
	<u>\$4,276</u>	<u>\$340</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE			1	0	\$0
				<u>\$254,866</u>	<u>\$67,920</u>
Total Non-union Medical Costs					

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE	0	0	24	0	0
				<u>\$4,714,286</u>	<u>\$1,285,088</u>
Total Union Medical Costs					

Dental - Composite Average

Dental - Composite Average

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$24	\$20	1	\$283	\$240
EE+Spouse	\$47	\$40	6	\$3,394	\$2,880
EE+Child(ren)	\$52	\$45	2	\$1,258	\$1,080
Family	\$94	\$60	6	\$6,800	\$4,320
	<u>\$218</u>	<u>\$165</u>	<u>15</u>	<u>\$11,735</u>	<u>\$8,520</u>
Total Non-union Dental Costs				<u>\$11,735</u>	<u>\$8,520</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$41	\$10	82	\$40,614	\$10,153
EE+1	\$71	\$18	18	\$15,364	\$3,841
				\$0	\$0
Family	\$103	\$26	204	\$251,539	\$62,885
	<u>\$215</u>	<u>\$54</u>	<u>304</u>	<u>\$307,516</u>	<u>\$76,879</u>
Total Union D				<u>\$307,516</u>	<u>\$76,879</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$23	\$15	1	\$275	\$180
EE+Spouse	\$51	\$25	0	\$0	\$0
EE+Child(ren)	\$55	\$30	0	\$0	\$0
Family	\$94	\$40	0	\$0	\$0
	<u>\$223</u>	<u>\$110</u>	<u>1</u>	<u>\$275</u>	<u>\$180</u>
Total Non-union Dental Costs				<u>\$275</u>	<u>\$180</u>
Total Non-union Dental Costs				<u>\$12,010</u>	<u>\$8,700</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$34	\$8	2	\$811	\$203
EE+1	\$68	\$17	2	\$1,622	\$405
				\$0	\$0
Family	\$96	\$24	2	\$2,311	\$578
	<u>\$198</u>	<u>\$49</u>	<u>6</u>	<u>\$4,744</u>	<u>\$1,186</u>
Total Non-union Dental Costs				<u>\$4,744</u>	<u>\$1,186</u>
Total Union Dental Costs				<u>\$312,260</u>	<u>\$78,065</u>

			NG USA Service Co.		
Total Medical and Dental Costs - Non-union			<u>\$266,875</u>	<u>\$76,620</u>	

			NG USA Service Co.		
Total Union Medical and Dental Costs			<u>\$5,026,547</u>	<u>\$1,363,153</u>	

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data for June 2017 and Rates for 2018

National Grid - Service Company
Non Union
Medical - Composite Average

Union
Medical - Composite Average

						2018		2018		
						Monthly ER	Monthly EE	Enrollment as	Projected ER	Projected EE
						costs	Costs	of June 2017	Costs	Costs
1	EPO with Wellness & Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
2	EE	\$551	\$150	483	\$3,192,683	\$869,400				
3	EE+Spouse	\$952	\$450	44	\$502,490	\$237,600				
4	EE+Child(ren)	\$962	\$300	104	\$1,199,972	\$374,400				
5	Family	\$1,553	\$550	109	\$2,030,706	\$719,400				
6		\$4,017	\$1,450	740	\$6,925,851	\$2,200,800				
7										
8	EPO with Wellness but without Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
9	EE	\$551	\$150	0	\$0	\$0				
10	EE+Spouse	\$1,052	\$350	248	\$3,129,814	\$1,041,600				
11	EE+Child(ren)	\$962	\$300	0	\$0	\$0				
12	Family	\$1,653	\$450	612	\$12,136,161	\$3,304,800				
13		\$4,217	\$1,250	860	\$15,265,975	\$4,346,400				
14										
15	EPO without Wellness but with Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
16	EE	\$501	\$200	260	\$1,562,628	\$624,000				
17	EE+Spouse	\$902	\$500	24	\$259,685	\$144,000				
18	EE+Child(ren)	\$912	\$350	55	\$601,601	\$231,000				
19	Family	\$1,503	\$600	59	\$1,063,789	\$424,800				
20		\$3,817	\$1,650	398	\$3,487,704	\$1,423,800				
21										
22	EPO without Wellness and without Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
23	EE	\$501	\$200	0	\$0	\$0				
24	EE+Spouse	\$1,002	\$400	133	\$1,598,689	\$638,400				
25	EE+Child(ren)	\$912	\$350	0	\$0	\$0				
26	Family	\$1,603	\$500	329	\$6,326,778	\$1,974,000				
27		\$4,017	\$1,450	462	\$7,925,467	\$2,612,400				
28										
29	CDHP1 - Health Savings Plan with Wellness & Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
30	EE	\$607	\$60	370	\$2,697,098	\$266,400				
31	EE+Spouse	\$1,085	\$250	22	\$286,416	\$66,000				
32	EE+Child(ren)	\$1,071	\$130	48	\$617,137	\$74,880				
33	Family	\$1,682	\$320	59	\$1,191,113	\$226,560				
34		\$4,446	\$760	499	\$4,791,765	\$633,840				
35										
36	CDHP1 - Health Savings Plan with Wellness but without Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
37	EE	\$607	\$60	0	\$0	\$0				
38	EE+Spouse	\$1,185	\$150	120	\$1,706,269	\$216,000				
39	EE+Child(ren)	\$1,071	\$130	0	\$0	\$0				
40	Family	\$1,782	\$220	331	\$7,079,548	\$873,840				
41		\$4,646	\$560	451	\$8,785,817	\$1,089,840				
42										
43	CDHP1 - Health Savings Plan without Wellness but with Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
44	EE	\$557	\$110	199	\$1,331,201	\$262,680				
45	EE+Spouse	\$1,035	\$300	12	\$149,027	\$43,200				
46	EE+Child(ren)	\$1,021	\$180	25	\$306,425	\$54,000				
47	Family	\$1,632	\$370	32	\$626,828	\$142,080				
48		\$4,246	\$960	268	\$2,413,481	\$501,960				
49										
50	CDHP1 - Health Savings Plan without Wellness and without Spousal Surcharge	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs				
51	EE	\$557	\$110	0	\$0	\$0				
52	EE+Spouse	\$1,135	\$200	63	\$857,991	\$151,200				
53	EE+Child(ren)	\$1,021	\$180	0	\$0	\$0				
54	Family	\$1,732	\$270	177	\$3,679,540	\$573,480				
55		\$4,446	\$760	240	\$4,537,532	\$724,680				

The Narragansett Electric Company d/b/a National Grid
Summary of Healthcare Costs - 2018 Plans
Based on Open Enrollment Data for June 2017 and Rates for 2018

National Grid - Service Company
Non Union
Medical - Composite Average

Union
Medical - Composite Average

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness & Spousal Surcharge					
EE	\$582	\$10	15	\$104,715	\$1,800
EE+Spouse	\$1,043	\$140	1	\$12,522	\$1,680
EE+Child(ren)	\$1,035	\$30	2	\$24,844	\$720
Family	\$1,615	\$160	2	\$38,766	\$3,840
	<u>\$4,276</u>	<u>\$340</u>	<u>20</u>	<u>\$180,847</u>	<u>\$8,040</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan with Wellness but without Spousal Surcharge					
EE	\$582	\$10	0	\$0	\$0
EE+Spouse	\$1,143	\$40	4	\$54,888	\$1,920
EE+Child(ren)	\$1,035	\$30	0	\$0	\$0
Family	\$1,715	\$60	11	\$226,413	\$7,920
	<u>\$4,476</u>	<u>\$140</u>	<u>15</u>	<u>\$281,301</u>	<u>\$9,840</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness but with Spousal Surcharge					
EE	\$532	\$60	7	\$44,667	\$5,040
EE+Spouse	\$993	\$190	1	\$11,922	\$2,280
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,565	\$210	2	\$37,566	\$5,040
	<u>\$4,076</u>	<u>\$540</u>	<u>10</u>	<u>\$94,155</u>	<u>\$12,360</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
CDHP2 - Health Investment Plan without Wellness and without Spousal Surcharge					
EE	\$532	\$60	0	\$0	\$0
EE+Spouse	\$1,093	\$90	1	\$13,122	\$1,080
EE+Child(ren)	\$985	\$80	0	\$0	\$0
Family	\$1,665	\$110	5	\$99,915	\$6,600
	<u>\$4,276</u>	<u>\$340</u>	<u>6</u>	<u>\$113,037</u>	<u>\$7,680</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE			748	0	\$0
				<u>\$54,802,931</u>	<u>\$13,571,640</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Opt Out					
EE	0	0	202	0	0
				<u>\$19,090,964</u>	<u>\$4,290,349</u>

Dental - Composite Average

Dental - Composite Average

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$24	\$20	1,295	\$366,278	\$310,800
EE+Spouse	\$47	\$40	856	\$484,222	\$410,880
EE+Child(ren)	\$52	\$45	203	\$127,680	\$109,620
Family	\$94	\$60	1,566	\$1,774,803	\$1,127,520
	<u>\$218</u>	<u>\$165</u>	<u>3,920</u>	<u>\$2,752,983</u>	<u>\$1,958,820</u>
				<u>\$2,752,983</u>	<u>\$1,958,820</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
With Ortho					
EE	\$30	\$5	530	\$188,024	\$34,521
EE+1	\$71	\$18	157	\$134,005	\$33,501
				\$0	\$0
Family	\$92	\$17	512	\$566,240	\$101,550
	<u>\$193</u>	<u>\$40</u>	<u>1,199</u>	<u>\$888,269</u>	<u>\$169,572</u>
				<u>\$888,269</u>	<u>\$169,572</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$23	\$15	143	\$39,314	\$25,740
EE+Spouse	\$51	\$25	95	\$57,923	\$28,500
EE+Child(ren)	\$55	\$30	0	\$0	\$0
Family	\$94	\$40	0	\$0	\$0
	<u>\$223</u>	<u>\$110</u>	<u>238</u>	<u>\$97,237</u>	<u>\$54,240</u>
				<u>\$97,237</u>	<u>\$54,240</u>

	Monthly ER costs	Monthly EE Costs	Enrollment as of June 2017	2018 Projected ER Costs	2018 Projected EE Costs
Without Ortho					
EE	\$34	\$8	17	\$6,892	\$1,723
EE+1	\$68	\$17	16	\$12,974	\$3,243
				\$0	\$0
Family	\$96	\$24	12	\$13,866	\$3,467
	<u>\$198</u>	<u>\$49</u>	<u>\$45</u>	<u>\$33,732</u>	<u>\$8,433</u>
				<u>\$33,732</u>	<u>\$8,433</u>

				<u>\$2,850,220</u>	<u>\$2,013,060</u>
				<u>\$2,850,220</u>	<u>\$2,013,060</u>
				<u>\$57,653,151</u>	<u>\$15,584,700</u>
				<u>\$57,653,151</u>	<u>\$15,584,700</u>

				<u>\$922,002</u>	<u>\$178,005</u>
				<u>\$922,002</u>	<u>\$178,005</u>
				<u>\$20,012,965</u>	<u>\$4,468,354</u>
				<u>\$20,012,965</u>	<u>\$4,468,354</u>

Schedule MAL-14 (REV-2)

Group Life Insurance

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance

	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	\$541,487	\$310,515	\$230,972	(\$51,249)	(\$51,249)	\$0	\$490,238	\$259,266	\$230,972
2	National Grid USA Service Company	\$379,283	\$262,057	\$117,226	(\$36,677)	(\$36,677)	\$0	\$342,606	\$225,380	\$117,226
3	All Other Companies	\$9,914	\$7,130	\$2,783	(\$2,260)	(\$2,260)	\$0	\$7,654	\$4,870	\$2,783
4	Total	\$930,683	\$579,702	\$350,981	(\$90,186)	(\$90,186)	\$0	\$840,497	\$489,516	\$350,981
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	\$930,683	\$579,702	\$350,981	(\$90,186)	(\$90,186)	\$0	\$840,497	\$489,516	\$350,981
20	Sub Total	\$930,683	\$579,702	\$350,981	(\$90,186)	(\$90,186)	\$0	\$840,497	\$489,516	\$350,981
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	\$930,683	\$579,702	\$350,981	(\$90,186)	(\$90,186)	\$0	\$840,497	\$489,516	\$350,981
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) and (c) Per Company Books
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 2(b) + Line 6(b) + Line 10(b) + Line 12(b)
- 2(e) Page 5, Line 3(b) + Line 7(b) + Line 13(b)
- 3(e) Page 5, Line 4(b) + Line 8(b) + Line 14(b)
- 19 Equals Line 4

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance

		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
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h)	(i)
Provider Company:										
1	Narragansett Electric Company	\$490,238	\$259,266	\$230,972	\$59,814	\$44,704	\$15,109	\$550,051	\$303,970	\$246,081
2	National Grid USA Service Company	\$342,606	\$225,380	\$117,226	\$61,187	\$32,316	\$28,871	\$403,792	\$257,695	\$146,097
3	All Other Companies	\$7,654	\$4,870	\$2,783	\$43,458	\$778	\$42,679	\$51,112	\$5,649	\$45,463
4	Total	<u>\$840,497</u>	<u>\$489,516</u>	<u>\$350,981</u>	<u>\$164,458</u>	<u>\$77,798</u>	<u>\$86,660</u>	<u>\$1,004,955</u>	<u>\$567,314</u>	<u>\$437,641</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 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	\$840,497	\$489,516	\$350,981	\$164,458	\$77,798	\$86,660	\$1,004,955	\$567,314	\$437,641
18	Sub Total	<u>\$840,497</u>	<u>\$489,516</u>	<u>\$350,981</u>	<u>\$164,458</u>	<u>\$77,798</u>	<u>\$86,660</u>	<u>\$1,004,955</u>	<u>\$567,314</u>	<u>\$437,641</u>
19										
20										
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>\$840,497</u>	<u>\$489,516</u>	<u>\$350,981</u>	<u>\$164,458</u>	<u>\$77,798</u>	<u>\$86,660</u>	<u>\$1,004,955</u>	<u>\$567,314</u>	<u>\$437,641</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) Page 1, Column (h)
- (c) Page 1, Column (i)
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 16(b) + Line 24(b)
- 2(e) Page 5, Line 17(b) + Line 25(b)
- 3(e) Page 5, Line 18(b) + Line 26(b)
- 1(f) Page 5, Line 16(c) + Line 24(c)
- 2(f) Page 5, Line 17(c) + Line 25(c)
- 3(f) Page 5, Line 18(c) + Line 26(c)
- 19 Equals Line 4

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance

	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)	Adjustments to Reflect Conditions in Data Year <u>Electric</u> (d)	Data Year 2 Ending August 31, 2021 <u>Electric</u> (e)	
Provider Company:						
1	Narragansett Electric Company	\$303,970	\$16,870	\$320,840	\$17,133	\$337,973
2	National Grid USA Service Company	\$257,695	\$14,302	\$271,997	\$14,525	\$286,522
3	All Other Companies	\$5,649	\$314	\$5,962	\$318	\$6,281
4	Total	<u>\$567,314</u>	<u>\$31,486</u>	<u>\$598,800</u>	<u>\$31,976</u>	<u>\$630,776</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, 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	\$567,314	\$31,486	\$598,800	\$31,976	\$630,776
20	Sub Total	<u>\$567,314</u>	<u>\$31,486</u>	<u>\$598,800</u>	<u>\$31,976</u>	<u>\$630,776</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>\$567,314</u>	<u>\$31,486</u>	<u>\$598,800</u>	<u>\$31,976</u>	<u>\$630,776</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (h)

Line Notes

- 1(b) Page 5, Line 39(b)
- 2(b) Page 5, Line 40(b)
- 3(b) Page 5, Line 41(b)
- 1(d) Page 5, Line 50(b)
- 2(d) Page 5, Line 51(b)
- 3(d) Page 5, Line 52(b)
- 19 Equals Line 4

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance

	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)	(d)	(e)	
Provider Company:						
1	Narragansett Electric Company	\$246,081	\$14,445	\$260,526	\$13,313	\$273,839
2	National Grid USA Service Company	\$146,097	\$8,576	\$154,673	\$7,904	\$162,577
3	All Other Companies	\$45,463	\$2,669	\$48,131	\$2,460	\$50,591
4	Total	<u>\$437,641</u>	<u>\$25,690</u>	<u>\$463,331</u>	<u>\$23,676</u>	<u>\$487,007</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, 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	\$437,641	\$25,690	\$463,331	\$23,676	\$487,007
20	Sub Total	<u>\$437,641</u>	<u>\$25,690</u>	<u>\$463,331</u>	<u>\$23,676</u>	<u>\$487,007</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>\$437,641</u>	<u>\$25,690</u>	<u>\$463,331</u>	<u>\$23,676</u>	<u>\$487,007</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (i)

Line Notes

- 1(b) Page 5, Line 39(c)
- 2(b) Page 5, Line 40(c)
- 3(b) Page 5, Line 41(c)
- 1(d) Page 5, Line 50(c)
- 2(d) Page 5, Line 51(c)
- 3(d) Page 5, Line 52(c)
- 19 Equals Line 4

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance

Explanation of Adjustments:		Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1	Page 1	<u>Adjustments: (to normalize Historic Year)</u>				
2		Narragansett Electric Company	Input-Hist-IFA Calculation.xlsx	(\$42,416)	(\$42,416)	\$0
3		National Grid USA Service Company	Input-Hist-IFA Calculation.xlsx	(\$35,797)	(\$35,797)	\$0
4		All Other Companies	Input-Hist-IFA Calculation.xlsx	(\$974)	(\$974)	\$0
5						
6		Narragansett Electric Company		(\$4,597)	(\$4,597)	\$0
7		National Grid USA Service Company		(\$27)	(\$27)	\$0
8		All Other Companies		(\$755)	(\$755)	\$0
9						
10		Narragansett Electric Company		(\$4,236)	(\$4,236)	\$0
11						
12		Narragansett Electric Company		\$0	\$0	\$0
13		National Grid USA Service Company		(\$853)	(\$853)	\$0
14		All Other Companies		(\$530)	(\$530)	\$0
15						
16		TOTAL		(\$90,186)	(\$90,186)	\$0
17						
18	Page 2	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2019)</u>				
19						
20		<u>General inflation %</u>				
21		Narragansett Electric Company		\$6,190	\$3,274	\$2,916
22		National Grid USA Service Co.		\$2,295	\$1,509	\$785
23		All Other Companies		\$0	\$0	\$0
24						
25		<u>Payroll Escalator</u>				
26		Electric				
27		Narragansett Electric Company		\$69,517	\$41,431	\$28,086
28		National Grid USA Service Company		\$42,999	\$30,806	\$12,193
29		All Other Companies		\$43,458	\$778	\$42,679
30						
31		GRAND TOTAL		\$164,458	\$77,798	\$86,660
32						
33						
34						
35	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2020)</u>				
36						
37		<u>General inflation %</u>				
38		Narragansett Electric Company		\$14,631	\$8,086	\$6,546
39		National Grid USA Service Co.		\$10,741	\$6,855	\$3,886
40		All Other Companies		\$1,360	\$150	\$1,209
41						
42		<u>Payroll Escalator</u>				
43		Electric				
44		Narragansett Electric Company		\$16,684	\$8,785	\$7,899
45		National Grid USA Service Company		\$12,137	\$7,447	\$4,690
46		All Other Companies		\$1,623	\$163	\$1,459
47		TOTAL		\$57,176	\$31,486	\$25,690
48						
49						
50	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2021)</u>				
51						
52		<u>General inflation %</u>				
53		Narragansett Electric Company		\$14,127	\$7,796	\$6,331
54		National Grid USA Service Co.		\$10,368	\$6,610	\$3,759
55		All Other Companies		\$1,315	\$145	\$1,170
56						
57		<u>Payroll Escalator</u>				
58		Electric				
59		Narragansett Electric Company		\$16,319	\$9,337	\$6,982
60		National Grid USA Service Company		\$12,060	\$7,915	\$4,145
61		All Other Companies		\$1,463	\$174	\$1,290
62		TOTAL		\$55,652	\$31,976	\$23,676

Line Notes

2(b)-4(b)	Worksheet MAL-1 (Rev-2), Page 6, Line 7	40(c) Page 4, Line 3(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
6(b)-8(b)	Schedule MAL-3 (Rev-2), Page 6, Page 6, Line 8(d)	43(b) Page 3, Line 1(a) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
10(b)	Schedule MAL-3 (Rev-2), Page 6, Page 6, Line 8(e)	44(b) Page 3, Line 2(a) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
12(b)-14(b)	Schedule MAL-3 (Rev-2), Page 6, Page 6, Line 8(f)	45(b) Page 3, Line 3(a) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 47(i)
16	Sum of Lines 2-14	43(c) Page 4, Line 1(a) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 47(j)
21(b)	Page 6, Line 4(b) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	44(c) Page 4, Line 2(a) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 47(j)
22(b)	Page 6, Line 9(b) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	45(c) Page 4, Line 3(a) * Payroll Escalator from Schedule MAL-3 (Rev-2), Page 8
21(c)	Page 7, Line 4(b) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	53(b) Page 3, Line 1(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
22(c)	Page 7, Line 9(b) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	54(b) Page 3, Line 2(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
27(b)	Page 2, Line 1(b) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(i)	55(b) Page 3, Line 3(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
28(b)	Page 6, Line 6(b) + Line 7(b) + Line 8(b) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(i)	53(c) Page 4, Line 1(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
29(b)	Page 2, Line 3(b) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(i)	54(c) Page 4, Line 2(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
27(c)	Page 2, Line 1(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(j)	55(c) Page 4, Line 3(c) * General Inflation from Schedule MAL-3 (Rev-2), Page 8
28(c)	Page 7, Line 6(b) + Line 7(b) + Line 8(b) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(j)	58(b) Page 3, Line 1(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
29(c)	Page 2, Line 3(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 20(j)	59(b) Page 3, Line 2(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
38(b)	Page 3, Line 1(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	60(b) Page 3, Line 3(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(i)
39(b)	Page 3, Line 2(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	58(c) Page 4, Line 1(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)
40(b)	Page 3, Line 3(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	59(c) Page 4, Line 2(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)
38(c)	Page 4, Line 1(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	60(c) Page 4, Line 3(c) * Payroll Escalator from Schedule MAL-8 (Rev-2), Page 6, Line 74(j)
39(c)	Page 4, Line 2(a) * General Inflation from Schedule MAL-3 (Rev-2), Page 8	

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance - Electric

Narragansett Electric Company			Escalation	Group
			Percentage 1/	Insurance
	Electric	Electric	Electric	Expense
	(a)	(b)		Adjustment
			Electric	Electric
1 Accidental Death & Dismemberment	1.70%	\$4,412	15.98%	\$705
2 Basic Life	15.28%	\$39,615	15.98%	\$6,330
3 Long Term Disability	55.75%	\$144,532	15.98%	\$23,096
4 Absence Management Program	27.27%	\$70,706	4.63%	\$3,274
5	100.00%	\$259,266		\$33,405

Column Notes

- (a) Per Company Books
- (b) Page 2, Line 1(b) * Column (a)
- (c) Column (a) * Column (b)

Service Company			Escalation	Group
			Percentage 1/	Insurance
	Electric	Electric	Electric	Expense
	(a)	(b)		Adjustment
			Electric	Electric
6 Accidental Death & Dismemberment	5.49%	\$12,372	15.98%	\$1,977
7 Basic Life	20.72%	\$46,698	15.98%	\$7,462
8 Long Term Disability	59.33%	\$133,709	15.98%	\$21,367
9 Absence Management Program	14.46%	\$32,600	4.63%	\$1,509
10	100.00%	\$225,380		\$32,316

Column Notes

- (a) Per Company Books
- (b) Page 2, Line 2(b) * Column (a)
- (c) Column (a) * Column (b)

1/ Escalation Percentages

Payroll escalation rate from Schedule MAL-8 (Rev-2), Page 6, Line 20(i)	15.98%
General inflation rate from Schedule MAL-3 (Rev-2), Page 8	4.63%

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Group Life Insurance - Gas

Narragansett Electric Company	Escalation		Group Insurance
	Gas	Gas	Expense
	Percentage 1/	Gas	Adjustment
	(a)	(b)	(c)
1 Accidental Death & Dismemberment	1.70%	\$3,931	\$478
2 Basic Life	15.28%	\$35,292	\$4,291
3 Long Term Disability	55.75%	\$128,760	\$15,657
4 Absence Management Program	27.27%	\$62,990	\$2,916
5	100.00%	\$230,972	\$23,343

Column Notes

- (a) Per Company Books
- (b) Page 2, Line 1(c) * Column (a)
- (c) Column (a) * Column (b)

Service Company	Escalation		Group Insurance
	Gas	Gas	Expense
	Percentage 1/	Gas	Adjustment
	(a)	(b)	(c)
6 Accidental Death & Dismemberment	5.49%	\$6,435	\$783
7 Basic Life	20.72%	\$24,289	\$2,954
8 Long Term Disability	59.33%	\$69,546	\$8,457
9 Absence Management Program	14.46%	\$16,956	\$785
10	100.00%	\$117,226	\$12,978

Column Notes

- (a) Per Company Books
- (b) Page 2, Line 2(c) * Column (a)
- (c) Column (a) * Column (b)

1/ Escalation Percentages

Payroll escalation rate from Schedule MAL-8 (Rev-2), Page 6, Line 20(j)	12.16%
General inflation rate from Schedule MAL-3 (Rev-2), Page 8	4.63%

Schedule MAL-15 (REV-2)

Thrift Plan

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

	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	\$1,503,958	\$861,288	\$642,670	(\$159,905)	(\$159,905)	\$0	\$1,344,053	\$701,383	\$642,670
2	National Grid USA Service Company	\$2,324,833	\$1,602,041	\$722,791	(\$231,593)	(\$231,593)	\$0	\$2,093,240	\$1,370,448	\$722,791
3	All Other Companies	\$36,501	\$26,213	\$10,288	(\$6,859)	(\$6,859)	\$0	\$29,642	\$19,353	\$10,288
4	Total	\$3,865,292	\$2,489,542	\$1,375,749	(\$398,357)	(\$398,357)	\$0	\$3,466,934	\$2,091,185	\$1,375,749
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	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	\$3,865,292	\$2,489,542	\$1,375,749	(\$398,357)	(\$398,357)	\$0	\$3,466,934	\$2,091,185	\$1,375,749
18	Sub Total	\$3,865,292	\$2,489,542	\$1,375,749	(\$398,357)	(\$398,357)	\$0	\$3,466,934	\$2,091,185	\$1,375,749
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	\$3,865,292	\$2,489,542	\$1,375,749	(\$398,357)	(\$398,357)	\$0	\$3,466,934	\$2,091,185	\$1,375,749
27		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28										

Column Notes

- b) and (c) Per Company Books
(h) Column (b) + Column (e)
(i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 2 (b) + Line 6 (b) + Line 10 (b)
2(e) Page 5, Line 3(b) + Line 7(b) + Line 13(b)
3(e) Page 5, Line 4(b) + Line 8(b) + Line 14(b)
1(f) Page 5, Line 2(c) + Line 6(c) + Line 10(c)
2(f) Page 5, Line 3(c) + Line 7(c) + Line 13(c)
3(f) Page 5, Line 4(c) + Line 8(c) + Line 14(c)
19 Equals Line 4

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

	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)	(i)		
Provider Company:										
1	Narragansett Electric Company	\$1,344,053	\$701,383	\$642,670	\$190,230	\$112,081	\$78,149	\$1,534,283	\$813,464	\$720,819
2	National Grid USA Service Company	\$2,093,240	\$1,370,448	\$722,791	\$306,889	\$218,998	\$87,891	\$2,400,129	\$1,589,446	\$810,683
3	All Other Companies	\$29,642	\$19,353	\$10,288	\$4,344	\$3,093	\$1,251	\$33,985	\$22,446	\$11,539
4	Total	\$3,466,934	\$2,091,185	\$1,375,749	\$501,463	\$334,171	\$167,291	\$3,968,397	\$2,425,356	\$1,543,041
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	\$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	\$3,466,934	\$2,091,185	\$1,375,749	\$501,463	\$334,171	\$167,291	\$3,968,397	\$2,425,356	\$1,543,041
20	Sub Total	\$3,466,934	\$2,091,185	\$1,375,749	\$501,463	\$334,171	\$167,291	\$3,968,397	\$2,425,356	\$1,543,041
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	\$3,466,934	\$2,091,185	\$1,375,749	\$501,463	\$334,171	\$167,291	\$3,968,397	\$2,425,356	\$1,543,041
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) Page 1, Column (h)
- (c) Page 1, Column (i)
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5, Line 22 (b)
- 2(e) Page 5, Line 23 (b)
- 3(e) Page 5, Line 24 (b)
- 1(f) Page 5, Line 22 (c)
- 2(f) Page 5, Line 23 (c)
- 3(f) Page 5, Line 24 (c)
- 19 Equals Line 4

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

	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)	(d)	(e)	
Provider Company:						
1	Narragansett Electric Company	\$813,464	\$23,509	\$836,973	\$24,356	\$861,329
2	National Grid USA Service Company	\$1,589,446	\$45,935	\$1,635,381	\$47,590	\$1,682,971
3	All Other Companies	\$22,446	\$649	\$23,095	\$672	\$23,767
4	Total	<u>\$2,425,356</u>	<u>\$70,093</u>	<u>\$2,495,449</u>	<u>\$72,618</u>	<u>\$2,568,067</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, 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	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	<u>\$2,425,356</u>	<u>\$70,093</u>	<u>\$2,495,449</u>	<u>\$72,618</u>	<u>\$2,568,067</u>
20	Sub Total	<u>\$2,425,356</u>	<u>\$70,093</u>	<u>\$2,495,449</u>	<u>\$72,618</u>	<u>\$2,568,067</u>
21						
22	Maintenance:					
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25	Administrative & General Expenses	<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>
27						
28	TOTAL	<u>\$2,425,356</u>	<u>\$70,093</u>	<u>\$2,495,449</u>	<u>\$72,618</u>	<u>\$2,568,067</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (h)

Line Notes

- 1(b) Page 5, Line 31(b)
- 2(b) Page 5, Line 32(b)
- 3(b) Page 5, Line 33(b)
- 1(d) Page 5, Line 40(b)
- 2(d) Page 5, Line 41(b)
- 3(d) Page 5, Line 42(b)
- 19 Equals Line 4

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

	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)	(d)	(e)	
Provider Company:						
1	Narragansett Electric Company	\$720,819	\$23,138	\$743,957	\$19,938	\$763,895
2	National Grid USA Service Company	\$810,683	\$26,023	\$836,706	\$22,424	\$859,129
3	All Other Companies	\$11,539	\$370	\$11,910	\$319	\$12,229
4	Total	<u>\$1,543,041</u>	<u>\$49,532</u>	<u>\$1,592,572</u>	<u>\$42,681</u>	<u>\$1,635,253</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, 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	\$1,543,041	\$49,532	\$1,592,572	\$42,681	\$1,635,253
20	Sub Total	<u>\$1,543,041</u>	<u>\$49,532</u>	<u>\$1,592,572</u>	<u>\$42,681</u>	<u>\$1,635,253</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>\$1,543,041</u>	<u>\$49,532</u>	<u>\$1,592,572</u>	<u>\$42,681</u>	<u>\$1,635,253</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Column (i)

Line Notes

- 1(b) Page 5, Line 31(c)
- 2(b) Page 5, Line 32(c)
- 3(b) Page 5, Line 33(c)
- 1(d) Page 5, Line 40(c)
- 2(d) Page 5, Line 41(c)
- 3(d) Page 5, Line 42(c)
- 19 Equals Line 4

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

	Explanation of Adjustments:	Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1	Page 1	<u>Adjustments: (to normalize Historic Year)</u>				
2		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	(\$117,652)	(\$117,652)	\$0
3		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	(\$218,845)	(\$218,845)	\$0
4		(IFA) Integrated Facilities Agreement	All Other Companies	(\$3,581)	(\$3,581)	\$0
5						
6		Inspection & Maintenance	Narragansett Electric Company	(\$12,930)	(\$12,930)	\$0
7		Inspection & Maintenance	National Grid USA Service Company	(\$128)	(\$128)	\$0
8		Inspection & Maintenance	All Other Companies	(\$1,878)	(\$1,878)	\$0
9						
10		Parent Company Funding Initiatives	Narragansett Electric Company	(\$29,323)	(\$29,323)	\$0
11						
12		Major Storm Activity	Narragansett Electric Company	\$0	\$0	\$0
13		Major Storm Activity	National Grid USA Service Company	(\$12,620)	(\$12,620)	\$0
14		Major Storm Activity	All Other Companies	(\$1,401)	(\$1,401)	\$0
15						
16		TOTAL		<u>(\$398,357)</u>	<u>(\$398,357)</u>	<u>\$0</u>
17						
18						
19	Page 2	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2019)</u>				
20		<u>Payroll inflator</u>				
21		15.98% Electric	Narragansett Electric Company	\$190,230	\$112,081	\$78,149
22		12.16% Gas	National Grid USA Service Company	\$306,889	\$218,998	\$87,891
23			All Other Companies	\$4,344	\$3,093	\$1,251
24						
25		TOTAL		<u>\$501,463</u>	<u>\$334,171</u>	<u>\$167,291</u>
26						
27						
28	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2020)</u>				
29		<u>Payroll inflator</u>				
30		2.89% Electric	Narragansett Electric Company	\$46,647	\$23,509	\$23,138
31		3.21% Gas	National Grid USA Service Company	\$71,958	\$45,935	\$26,023
32			All Other Companies	\$1,019	\$649	\$370
33						
34		TOTAL		<u>\$119,624</u>	<u>\$70,093</u>	<u>\$49,532</u>
35						
36						
37	Page 3 and Page 4	<u>Adjustments: (to reflect conditions in the Rate Year 8/31/2021)</u>				
38		<u>Payroll inflator</u>				
39		2.91% Electric	Narragansett Electric Company	\$44,294	\$24,356	\$19,938
40		2.68% Gas	National Grid USA Service Company	\$70,013	\$47,590	\$22,424
41			All Other Companies	\$991	\$672	\$319
42						
43		TOTAL		<u>\$115,299</u>	<u>\$72,618</u>	<u>\$42,681</u>
44						

Line Notes

- 2(b)-4(b) Workpaper MAL-1, Line 24
- 8(b)-10(b) Schedule MAL-3, Page 6, Line 9(e)
- 10(b) Schedule MAL-3, Page 6, Line 9(g)
- 12(b)-14(b) Schedule MAL-3, Page 6, Line 9(f)
- 22(b) Page 2, Line 1(b) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(i)
- 23(b) Page 2, Line 2(b) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(i)
- 24(b) Page 2, Line 3(b) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(i)
- 22(c) Page 2, Line 1(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(j)
- 23(c) Page 2, Line 2(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(j)
- 24(c) Page 2, Line 3(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 20(j)
- 31(b) Page 3, Line 1(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(i)
- 32(b) Page 3, Line 2(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(i)
- 33(b) Page 3, Line 3(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(i)
- 31(c) Page 4, Line 1(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(j)
- 32(c) Page 4, Line 2(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(j)
- 33(c) Page 4, Line 3(a) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 47(j)
- 40(b) Page 3, Line 1(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(i)
- 41(b) Page 3, Line 2(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(i)
- 42(b) Page 3, Line 3(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(i)
- 40(c) Page 4, Line 1(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(j)
- 41(c) Page 4, Line 2(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(j)
- 42(c) Page 4, Line 3(c) * Payroll Inflation Rate from Schedule MAL-8, Page 6, Line 74(j)

Schedule MAL-16 (REV-2)

FAS112 / ASC712

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS112 /ASC712

	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	(\$392,351)	(\$206,959)	(\$185,392)	\$392,351	\$206,959	\$185,392	\$0	\$0	\$0
2	National Grid USA Service Company	(\$203,152)	(\$142,852)	(\$60,299)	\$203,152	\$142,852	\$60,299	\$0	\$0	\$0
3	All Other Companies	\$22,981	\$16,052	\$6,929	(\$22,981)	(\$16,052)	(\$6,929)	\$0	\$0	\$0
4	Total	(\$572,522)	(\$333,759)	(\$238,762)	\$572,522	\$333,759	\$238,762	\$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, Terminaling 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	(\$572,522)	(\$333,759)	(\$238,762)	\$572,522	\$333,759	\$238,762	(\$0)	(\$0)	(\$0)
18	Sub Total	(\$572,522)	(\$333,759)	(\$238,762)	\$572,522	\$333,759	\$238,762	(\$0)	(\$0)	(\$0)
19										
20										
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	(\$572,522)	(\$333,759)	(\$238,762)	\$572,522	\$333,759	\$238,762	(\$0)	(\$0)	(\$0)
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) and (c) Per Company Books
- (h) Column (b) + Column (e)
- (i) Column (c) + Column (f)

Line Notes

- 1(e) Page 5 of 7 Column (b) Sum of Lines 2, 6, 10 and 14
- 1(f) Page 5 of 7 Column (c) Sum of Lines 2, 6, 10 and 14
- 2(e) Page 5 of 7 Column (b) Sum of Lines 3, 7, 11 and 15
- 2(f) Page 5 of 7 Column (c) Sum of Lines 3, 7, 11 and 15
- 3(e) Page 5 of 7 Column (b) Sum of Lines 4, 8, 12 and 16
- 3(f) Page 5 of 7 Column (c) Sum of Lines 4, 8, 12 and 16
- 19 Equals Row 4

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS112 /ASC712

		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
		(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	\$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, 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	(\$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)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS112 /ASC712

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

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS112 /ASC712

	Rate Year Ending August 31, 2019 Gas (a)	Adjustments to Reflect Conditions in Data Year Gas (b)	Data Year 1 Ending August 31, 2020 Gas (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year Gas (d)	Data Year 2 Ending August 31, 2021 Gas (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

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS112 /ASC712

Explanation of Adjustments:		Provider Company	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1	Page 1	<u>Adjustments: (to normalize Historic Year)</u>				
2		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	\$28,271	\$28,271	\$0
3		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	\$19,514	\$19,514	\$0
4		(IFA) Integrated Facilities Agreement	All Other Companies	(\$2,193)	(\$2,193)	\$0
5						
6		Inspection & Maintenance	Narragansett Electric Company	\$2,733	\$2,733	\$0
7		Inspection & Maintenance	National Grid USA Service Company	(\$2)	(\$2)	\$0
8		Inspection & Maintenance	All Other Companies	\$127	\$127	\$0
9						
10		Major Storm Activity	Narragansett Electric	\$0	\$0	\$0
11		Major Storm Activity	National Grid USA Service Company	\$9,911	\$9,911	\$0
12		Major Storm Activity	All Other Companies	\$496	\$496	\$0
13						
14		To set balance to no lower than \$0 for Narragansett Electric	Narragansett Electric	\$361,348	\$175,955	\$185,392
15		To set balance to lower than \$0 for Service Company	National Grid USA Service Company	\$173,729	\$113,430	\$60,299
16		To set balance to no lower than \$0 for All Other Companies	All Other Companies	(\$21,411)	(\$14,482)	(\$6,929)
17						
18		TOTAL		<u>\$572,522</u>	<u>\$333,759</u>	<u>\$238,762</u>

Line Notes

- 2(b)-4(b) Workpaper MAL-1 (Rev-2), Line 5
- 6(b)-8(b) Schedule MAL-3 (Rev-2), Page 6, Line 10(e)
- 10(b)-12(b) Schedule MAL-3 (Rev-2), Page 6, Line 10(f)
- 14(b) Page 1 of 7 Line 1 Column (b) less Page 5 of 7 Column (b) Lines 2, 6 and 10
- 14(c) Page 1 of 7 Line 1 Column (c) less Page 5 of 7 Column (c) Lines 2, 6 and 10
- 15(b) Page 1 of 7 Line 2 Column (b) less Page 5 of 7 Column (b) Lines 3, 7 and 11
- 15(c) Page 1 of 7 Line 2 Column (c) less Page 5 of 7 Column (c) Lines 3, 7 and 11
- 16(b) Page 1 of 7 Line 3 Column (b) less Page 5 of 7 Column (b) Lines 4, 8 and 12
- 16(c) Page 1 of 7 Line 3 Column (c) less Page 5 of 7 Column (c) Lines 4, 8 and 12

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 112/ASC 712

	Narragansett Electric	Legacy Grid Service Co	Legacy KeySpan Service Co	Total Service Company	Amount
	Electric	Electric	Electric	Electric	Electric
	(a)	(b)	(c)	(d) = (c) + (b)	(e)
1 Total FAS 112/ASC 712 Test Year Expense					(\$333,759)
2					
3					
4					
5					
6 FY2013	\$699,422	\$2,408,625	\$1,965,814	\$4,374,439	
7 FY2014	\$1,164,155	\$1,775,162	\$294,985	\$2,070,147	
8 FY2015	(\$781,985)	(\$3,278,435)	(\$1,200,056)	(\$4,478,491)	
9 FY2016	(\$1,668,961)	(\$1,864,676)	(\$511,211)	(\$2,375,887)	
10 FY2017	(\$405,941)	(\$2,131,958)	\$357,445	(\$1,774,513)	
11					
12 5 Year Average (2013-2017)	1/				(\$436,861)
13					
14 Percentage Charged to Narragansett Electric - Total				6.39%	
15 Percentage Charged to Narragansett Electric - O&M Labor				57.38%	
16					
17 Total 5 Year Average Charged to O&M				(\$16,019)	(\$109,052)
18					
19 Minimum Anticipated Expense					\$0
20					
21 Greater of Lines 12 or 17					\$0
22					
23 Normalizing Adjustment					\$333,759

1/ 5 Year Average to be updated to include FY 2018 costs when the reports are made available by the Company's actuary

2/ The Company records a liability on its balance sheet in accordance with FAS 112/ASC 712 to accrue for the costs of benefits to employees who are in an inactive status, primarily employees who are on long-term disability. Adjustments in any particular year can increase or decrease the reserve resulting in positive or negative expense. Reserve decreases and the resulting negative expense would not be expected to occur on a long-term basis nor be reflected as positive income in a cost of service. As such, the minimum expected cost for FAS 112/ASC 712 for rate making purposes would be \$-0-

Line Notes

- 1 Page 1, Line 28(b)
- 6-10 Per Workpaper MAL-5 (Rev-2)
- 12 Average of lines 6 through 10
- 14(d) Line 13 Column (e)
- 15(a) Line 4 Column (f)
- 15(d) Line 6 Column (f)
- 17 Line 12 x Line 14 x Line 15
- 23 Line 21 - Line 1

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 112/ASC 712

	Narragansett Electric	Legacy Grid Service Co	Legacy KeySpan Svc Co	Total Service Company	Amount
	Gas	Gas	Gas	Gas	Gas
	(a)	(b)	(c)	(d) = (c) + (b)	(e)
1 Total FAS 112/ASC 712 Test Year Expense					(\$238,762)
2					
3					
4					
5					
6 FY2013	\$699,422	\$2,408,625	\$1,965,814	\$4,374,439	
7 FY2014	\$1,164,155	\$1,775,162	\$294,985	\$2,070,147	
8 FY2015	(\$781,985)	(\$3,278,435)	(\$1,200,056)	(\$4,478,491)	
9 FY2016	(\$1,668,961)	(\$1,864,676)	(\$511,211)	(\$2,375,887)	
10 FY2017	(\$405,941)	(\$2,131,958)	\$357,445	(\$1,774,513)	
11					
12 5 Year Average (2013-2017) 1/	<u>(\$198,662)</u>			<u>(\$436,861)</u>	
13					
14 Percentage Charged to Narragansett Electric - Total	100.00%			3.70%	
15 Percentage Charged to Narragansett Electric - O&M Labor	44.82%			59.14%	
16					
17 Total 5 Year Average Charged to O&M	(\$89,040)			(\$9,559)	(\$98,599)
18					
19 Minimum Anticipated Expense 2/					\$0
20					
21 Greater of Lines 12 or 17					\$0
22					
23 Normalizing Adjustment					\$238,762

1/ 5 Year Average to be updated to include FY 2018 costs when the reports are made available by the Company's actuary

2/ The Company records a liability on its balance sheet in accordance with FAS 112/ASC 712 to accrue for the costs of benefits to employees who are in an inactive status, primarily employees who are on long-term disability. Adjustments in any particular year can increase or decrease the reserve resulting in positive or negative expense. Reserve decreases and the resulting negative expense would not be expected to occur on a long-term basis nor be reflected as positive income in a cost of service. As such, the minimum expected cost for FAS 112/ASC 712 for rate making purposes would be \$-0-

Line Notes

- 1 Page 1 of 7 Line 28 Column (c)
- 6-10 Per Workpaper MAL-5 (Rev-2)
- 12 Average of lines 6 through 10
- 14(d) Line 13 Column (e)
- 15(a) Line 4 Column (f)
- 15(d) Line 6 Column (f)
- 17 Line 12 x Line 14 x Line 15
- 23 Line 21 - Line 1

Schedule MAL-17 (REV-2)

Service Company Rents

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

	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	
2	National Grid USA Service Company	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$6,644,381)	(\$350,899)	\$10,067,672	\$7,340,988	\$2,726,684
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4	Total	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$6,644,381)	(\$350,899)	\$10,067,672	\$7,340,988	\$2,726,684
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, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
11	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13	Distribution Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
14	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
15	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
16	Sales Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
17	Administrative & General Expenses	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$6,644,381)	(\$350,899)	\$10,067,672	\$7,340,988	\$2,726,684
18	Sub Total	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$6,644,381)	(\$350,899)	\$10,067,672	\$7,340,988	\$2,726,684
19										
20										
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	\$17,062,952	\$13,985,369	\$3,077,583	(\$6,995,280)	(\$6,644,381)	(\$350,899)	\$10,067,672	\$7,340,988	\$2,726,684
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Column Notes

- (b) Per Company Books
- (c) Per Company Books
- (e) Page 5, Line 12
- (f) Page 5, Line 12

Line Notes

- 19 Line 4

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

	Test Year Ended June 30, 2017 (as Adjusted)						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	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,066,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,066,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
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 Storag, 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	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,066,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
20	Sub Total	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,066,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
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	\$10,067,672	\$7,340,988	\$2,726,684	\$5,333,666	\$4,066,602	\$1,267,065	\$15,401,338	\$11,407,590	\$3,993,748
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 1, Column (g)
- (b) Page 1, Column (h)
- (c) Page 1, Column (i)
- (e) Page 5, Line 26
- (f) Page 5, Line 26
- (h) (b) + (e)
- (i) (c) + (f)

Line Notes

- 19 Line 4

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

	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	\$0
2 National Grid USA Service Company	\$11,407,590	\$517,856	\$11,925,446	\$653,897	\$12,579,343
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$11,407,590</u>	<u>\$517,856</u>	<u>\$11,925,446</u>	<u>\$653,897</u>	<u>\$12,579,343</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, 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	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$11,407,590	\$517,856	\$11,925,446	\$653,897	\$12,579,343
20 Sub Total	<u>\$11,407,590</u>	<u>\$517,856</u>	<u>\$11,925,446</u>	<u>\$653,897</u>	<u>\$12,579,343</u>
21					
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>\$11,407,590</u>	<u>\$517,856</u>	<u>\$11,925,446</u>	<u>\$653,897</u>	<u>\$12,579,343</u>
	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Line 34
- (c) (a) + (b)
- (d) Page 5, Line 43
- (e) (c) + (d)

Line Notes

- 19 Line 4

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

	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	\$0
2 National Grid USA Service Company	\$3,993,748	\$288,168	\$4,281,917	\$72,618	\$4,354,534
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$3,993,748</u>	<u>\$288,168</u>	<u>\$4,281,917</u>	<u>\$72,618</u>	<u>\$4,354,534</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, 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	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$3,993,748	\$288,168	\$4,281,917	\$72,618	\$4,354,534
20 Sub Total	<u>\$3,993,748</u>	<u>\$288,168</u>	<u>\$4,281,917</u>	<u>\$72,618</u>	<u>\$4,354,534</u>
21					
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>\$3,993,748</u>	<u>\$288,168</u>	<u>\$4,281,917</u>	<u>\$72,618</u>	<u>\$4,354,534</u>
	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (i)
- (b) Page 5, Line 34
- (c) (a) + (b)
- (d) Page 5, Line 43
- (e) (c) + (d)

Line Notes

- 19 Line 4

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

		Provider Company	Source Workpaper	Total (a)	Electric (b)	Gas (c)	
1	Page 1	Adjustments: (to normalize Historic Year)					
2		Normalizing Adjustment					
3		National Grid USA Service Co.	Page 6	(\$3,910,750)	(\$3,537,772)	(\$372,978)	
4							
5		Normalizing Adjustment - CWIP		\$91,100	\$69,021	\$22,079	
6		National Grid USA Service Company	Workpaper MAL-6				
7		Narragansett Electric Company	Workpaper MAL-1	(\$2,146,385)	(\$2,146,385)	\$0	
8		(IFA) Integrated Facilities Agreement					
9		National Grid USA Service Company	Workpaper MAL-1	(\$396,630)	(\$396,630)	\$0	
10		(IFA) Integrated Facilities Agreement					
11		All Other Companies		\$0	\$0	\$0	
12		Reclass IFA Rents	Narragansett Electric Company	Workpaper MAL-1	(\$632,614)	(\$632,614)	\$0
13				\$0			
14		TOTAL		(\$6,995,280)	(\$6,644,381)	(\$350,899)	
15							
16							
17							
18							
19	Page 2	Adjustments: (to reflect conditions in the Rate Year 2019)					
20							
21							
22							
23							
24		Rate Year Adjustment	National Grid USA Service Co.	Page 6	5,333,666	4,066,602	1,267,065
25							
26							
27	Page 3	Electric Adjustments: (to reflect conditions in the Rate Year 2020-2021)					
28							
29							
30							
31							
32		Rate Year Adjustment	National Grid USA Service Co.	Page 7	806,024	517,856	288,168
33							
34							
35	Page 4	Gas Adjustments: (to reflect conditions in the Rate Year 2020-2021)					
36							
37							
38							
39		Rate Year Adjustment - Response to DIV 22-9	National Grid USA Service Co.		11,110	(49,098)	60,208
40		Rate Year Adjustment	National Grid USA Service Co.	Page 7	715,405	702,995	12,410
41							
42							
43							
					\$726,515	\$653,897	\$72,618

Line Notes

- 2 Page 6
- 5 Workpaper MAL - 6
- 24(b) Page 6, Line 57
- 24(c) Page 6, Line 27
- 32(b) Page 7, Line 22
- 32(c) Page 7, Line 33
- 40(b) Page 7, Line 46
- 40(c) Page 7, Line 33

The Narragansett Electric Company d/b/a National Grid
Service Company Rents
Normalizing Adjustment & Rate Year Adjustments

Test Year
Asset Recovery Charge Per Books

		<u>Gas</u>
1	ARC-DEBT RECOVERY CHGE	\$189,871
2	ARC-DEPRECIATION RECOVERY CHGE	\$2,041,663
3	ARC-EQUITY RECOVERY CHGE	\$846,048
4		
5	Grand Total	<u><u>\$3,077,582</u></u>
6		
7		
8		
9		
10	Test Year	
11	Return & Depreciation Calculation Adjustment	
12		
13	Existing IS Projects	\$2,390,946
14	Facilities Existing Balance	\$313,658
15	Total Calculated Return & Depreciation	<u>\$2,704,604</u>
16	Per Books	<u>\$3,077,582</u>
17	Normalizing Adjustment	<u><u>(\$372,978)</u></u>
18		
19	Rate Year -2019	
20	Return & Depreciation Calculation Adjustment	
21	Existing IS Projects	2,434,198
22	New IS Projects	1,230,813
23	Existing Facilities	328,737
24	New Facilities	-
25	Total Calculated Return & Depreciation - Rate Year	<u>3,993,748</u>
26	Normalized Service Company Rents	<u>2,726,684</u>
27	Proforma Adjustment	<u><u>1,267,065</u></u>
28		
29		
30	<u>Electric</u>	
31	ARC-DEBT RECOVERY CHGE	\$856,281
32	ARC-DEPRECIATION RECOVERY CHGE	\$9,249,995
33	ARC-EQUITY RECOVERY CHGE	\$3,879,092
34		
35	Total before IFA	<u>\$13,985,368</u>
36	Less: IFA	
37	Total after IFA	<u><u>\$13,985,368</u></u>
38		
39		
40	Test Year	
41	Return & Depreciation Calculation Adjustment	
42		
43	IS Existing Projects	\$9,792,316
44	Facilities Test Year	\$655,280
45	Total Calculated Return & Depreciation	<u>\$10,447,596</u>
46	Per Books	<u>\$13,985,368</u>
47	Normalizing Adjustment	<u><u>(\$3,537,772)</u></u>
48		
49	Rate Year 2019	
50	Return & Depreciation Calculation Adjustment	
51	Existing IS Projects	8,058,459
52	New IS Projects	2,706,991
53	Existing Facilities	642,140
54	New Facilities	-
55	Total Calculated Return & Depreciation - Rate Year	<u>11,407,590</u>
56	Normalized Service Company Rents	<u>7,340,988</u>
57	Proforma Adjustment	<u><u>4,066,602</u></u>

Line Notes

- 21 Workpaper MAL-6a (REV-2), Line 294
- 22 Workpaper MAL-6a (REV-2), Line 490
- 23 Workpaper MAL-6d (REV-2), Line 612
- 51 Workpaper MAL-6a (REV-2), Line 294
- 52 Workpaper MAL-6a (REV-2), Line 490
- 53 Workpaper MAL-6d (REV-2), Line 612

The Narragansett Electric Company d/b/a National Grid
Service Company Rents
Normalizing Adjustment

	<u>Gas</u>	
1	Rate Year -2020	
2	Return & Depreciation Calculation Adjustment	
3	Existing IS Projects	2,238,186
4	New IS Projects	1,854,902
5	Existing Facilities	188,828
6	New Facilities	-
7	Total Calculated Return & Depreciation - Rate Year	4,281,917
8	Adjusted Service Company Rents	3,993,748
9	Proforma Adjustment	288,168
10		
11		
12	<u>Electric</u>	
13		
14	Rate Year 2020	
15	Return & Depreciation Calculation Adjustment	
16	Existing IS Projects	7,504,017
17	New IS Projects	4,065,324
18	Existing Facilities	356,105
19	New Facilities	-
20	Total Calculated Return & Depreciation - Rate Year	11,925,446
21	Adjusted Service Company Rents	11,407,590
22	Proforma Adjustment	517,856
23		
24		
25	<u>Gas</u>	
26	Rate Year -2021	
27	Return & Depreciation Calculation Adjustment	
28	Existing IS Projects	1,941,842
29	New IS Projects	2,195,241
30	Existing Facilities	157,244
31	New Facilities	-
32	Total Calculated Return & Depreciation - Rate Year	4,294,326
33	Normalized Service Company Rents	4,281,917
34	Proforma Adjustment	12,410
35		
36		
37	<u>Electric</u>	
38	Rate Year 2021	
39	Return & Depreciation Calculation Adjustment	
40	Existing IS Projects	6,868,786
41	New IS Projects	5,470,653
42	Existing Facilities	289,002
43	New Facilities	-
44	Total Calculated Return & Depreciation - Rate Year	12,628,441
45	Adjusted Service Company Rents	11,925,446
46	Proforma Adjustment	702,995

Line Notes

- 3 Workpaper MAL-6b (REV-2), Line 294
- 4 Workpaper MAL-6b (REV-2), Line 490
- 5 Workpaper MAL-6e (REV-2), Line 628
- 16 Workpaper MAL-6b (REV-2), Line 294
- 17 Workpaper MAL-6b (REV-2), Line 490
- 18 Workpaper MAL-6e (REV-2), Line 628
- 27 Workpaper MAL-6c (REV-2), Line 294
- 28 Workpaper MAL-6c (REV-2), Line 490
- 29 Workpaper MAL-6f (REV-2), Line 619
- 40 Workpaper MAL-6c (REV-2), Line 294
- 41 Workpaper MAL-6c (REV-2), Line 490
- 42 Workpaper MAL-6f (REV-2), Line 619

Schedule MAL-18 (REV-2)

Joint Facilities

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

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017			
	(Per Books)			Total	Electric	Gas	(as Adjusted)			
	Total (a) = (b) + (c)	Electric (b)	Gas (c)				Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)	
Provider Company:										
1	Narragansett Electric Company	\$711,564	\$504,892	\$206,672	\$100,328	\$106,159	(\$5,831)	\$811,892	\$611,051	\$200,841
2	National Grid USA Service Company	\$868,284	\$513,503	\$354,781	\$0	\$0	\$0	\$868,284	\$513,503	\$354,781
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$1,579,848</u>	<u>\$1,018,396</u>	<u>\$561,452</u>	<u>\$100,328</u>	<u>\$106,159</u>	<u>(\$5,831)</u>	<u>\$1,680,176</u>	<u>\$1,124,555</u>	<u>\$555,621</u>
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
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	\$116,247	\$116,247	\$0	(\$5,831)	\$0	(\$5,831)	\$110,416	\$116,247	(\$5,831)
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	\$1,463,421	\$901,969	\$561,452	\$106,159	\$106,159	\$0	\$1,569,580	\$1,008,128	\$561,452
20	Sub Total	<u>\$1,579,668</u>	<u>\$1,018,216</u>	<u>\$561,452</u>	<u>\$100,328</u>	<u>\$106,159</u>	<u>(\$5,831)</u>	<u>\$1,679,996</u>	<u>\$1,124,375</u>	<u>\$555,621</u>
Maintenance:										
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$180	\$180	\$0	\$0	\$0	\$0	\$180	\$180	\$0
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	<u>\$180</u>	<u>\$180</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$180</u>	<u>\$180</u>	<u>\$0</u>
27										
28	TOTAL	<u>\$1,579,848</u>	<u>\$1,018,396</u>	<u>\$561,452</u>	<u>\$100,328</u>	<u>\$106,159</u>	<u>(\$5,831)</u>	<u>\$1,680,176</u>	<u>\$1,124,555</u>	<u>\$555,621</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (b) Per Company Books
- (c) Per Company Books
- (h) (b) + (e)
- (i) (c) + (f)

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

	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	\$811,892	\$611,051	\$200,841	\$37,591	\$28,292	\$9,299	\$849,482	\$639,343	\$210,139
3 National Grid USA Service Company	\$868,284	\$513,503	\$354,781	\$40,202	\$23,775	\$16,426	\$908,485	\$537,279	\$371,207
4 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5 Total	<u>\$1,680,176</u>	<u>\$1,124,555</u>	<u>\$555,621</u>	<u>\$77,792</u>	<u>\$52,067</u>	<u>\$25,725</u>	<u>\$1,757,968</u>	<u>\$1,176,622</u>	<u>\$581,346</u>
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	\$110,416	\$116,247	(\$5,831)	\$5,112	\$5,382	(\$270)	\$115,528	\$121,629	(\$6,101)
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	\$1,569,580	\$1,008,128	\$561,452	\$72,672	\$46,676	\$25,995	\$1,642,251	\$1,054,804	\$587,447
20 Sub Total	<u>\$1,679,996</u>	<u>\$1,124,375</u>	<u>\$555,621</u>	<u>\$77,784</u>	<u>\$52,059</u>	<u>\$25,725</u>	<u>\$1,757,780</u>	<u>\$1,176,433</u>	<u>\$581,346</u>
21									
22 Maintenance:									
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$180	\$180	\$0	\$8	\$8	\$0	\$188	\$188	\$0
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$180</u>	<u>\$180</u>	<u>\$0</u>	<u>\$8</u>	<u>\$8</u>	<u>\$0</u>	<u>\$188</u>	<u>\$188</u>	<u>\$0</u>
27									
28 TOTAL	<u>\$1,680,176</u>	<u>\$1,124,555</u>	<u>\$555,621</u>	<u>\$77,792</u>	<u>\$52,067</u>	<u>\$25,725</u>	<u>\$1,757,968</u>	<u>\$1,176,621</u>	<u>\$581,346</u>
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 1, Column, g
- (b) Page 1, Column h
- (c) Page 1, Column i
- (e) Page 5, Line 25
- (f) Page 5, Line 25
- (h) (b) + (e)
- (i) (c) + (f)

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

	Rate Year Ending August 31, 2019 Electric (a)	Adjustments to Reflect Conditions in Data Year Electric (b)	Data Year 1 Ending August 31, 2020 Electric (c)	Adjustments to Reflect Conditions in Data Year Electric (h) = (b) + (e)	Data Year 2 Ending August 31, 2021 Electric (i) = (c) + (f)
Provider Company:					
1 Narragansett Electric Company	\$639,343	\$17,007	\$656,350	\$15,949	\$672,299
2 National Grid USA Service Company	\$537,279	\$14,292	\$551,570	\$13,403	\$564,973
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$1,176,622</u>	<u>\$31,298</u>	<u>\$1,207,920</u>	<u>\$29,352</u>	<u>\$1,237,272</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storag, Terminaling 11 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	\$121,629	\$3,235	\$124,865	\$3,034	\$127,899
15 Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16 Customer Service and 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$1,054,804	\$28,058	\$1,082,862	\$26,314	\$1,109,175
20 Sub Total	<u>\$1,176,433</u>	<u>\$31,293</u>	<u>\$1,207,726</u>	<u>\$29,348</u>	<u>\$1,237,074</u>
21					
Maintenance:					
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$188	\$5	\$193	\$5	\$198
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$188</u>	<u>\$5</u>	<u>\$193</u>	<u>\$5</u>	<u>\$198</u>
27					
28 TOTAL	<u>\$1,176,621</u>	<u>\$31,298</u>	<u>\$1,207,920</u>	<u>\$29,353</u>	<u>\$1,237,272</u>
	(\$0)	\$0	(\$0)	\$0	\$0

Column Notes

- (a) Page 2, Column h
- (b) Page 5, Line 35
- (c) (a) + (b)
- (d) Page 5, Line 45
- (e) (c) + (d)

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

	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	\$210,139	\$5,590	\$215,729	\$5,242	\$220,971
2	National Grid USA Service Company	\$371,207	\$9,874	\$381,081	\$9,260	\$390,341
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	\$581,346	\$15,464	\$596,810	\$14,502	\$611,313
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, 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	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$581,346	\$15,464	\$596,810	\$14,502	\$611,313
20	Sub Total	\$581,346	\$15,464	\$596,810	\$14,502	\$611,313
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	\$581,346	\$15,464	\$596,810	\$14,502	\$611,313
		(\$0)	\$0	(\$0)	\$0	(\$0)

Column Notes

- (a) Page 2, Column i
- (b) Page 5, Line 35
- (c) (a) + (b)
- (d) Page 5, Line 45
- (e) (c) + (d)

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

	Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
Explanation of Adjustments:						
1	Page 1 Adjustments: (to normalize Historic Year)					
2	Removal of Airplane Costs	Narragansett Electric Co.	Page 6	(\$24,289)	(\$18,458)	(\$5,831)
3	Reclass IFA Adjustment	Narragansett Electric Co.	Workpaper 1	\$124,617	\$124,617	\$0
4				\$0	\$0	\$0
5				\$0	\$0	\$0
6				\$0	\$0	\$0
7				\$0	\$0	\$0
8				\$0	\$0	\$0
9	TOTAL			<u>\$100,328</u>	<u>\$106,159</u>	<u>(\$5,831)</u>
10						
11						
12						
13						
14						
15						
16	Page 2 Adjustments: (to reflect conditions in the Rate Year 2019)					
17						
18	General Inflation		4.63%	\$0	\$0	\$0
19		Narragansett Electric Company		\$37,591	\$28,292	\$9,299
20		National Grid USA Service Company		\$40,202	\$23,775	\$16,426
21		All Other Companies		\$0	\$0	\$0
22				\$0	\$0	\$0
23				\$0	\$0	\$0
24				\$0	\$0	\$0
25	TOTAL			<u>\$77,792</u>	<u>\$52,067</u>	<u>\$25,725</u>
26						
27	Page 3 Adjustments: (to reflect conditions in the Data Year 2020)					
28						
29	General Inflation		2.66%	\$0	\$0	\$0
30		Narragansett Electric Company		\$22,596	\$17,007	\$5,590
31		National Grid USA Service Company		\$24,166	\$14,292	\$9,874
32		All Other Companies		\$0	\$0	\$0
33				\$0	\$0	\$0
34	TOTAL			<u>\$46,762</u>	<u>\$31,298</u>	<u>\$15,464</u>
35						
36						
37	Page 3 Adjustments: (to reflect conditions in the Data Year 2021)					
38						
39	General Inflation		2.43%	\$0	\$0	\$0
40		Narragansett Electric Company		\$21,192	\$15,949	\$5,242
41		National Grid USA Service Company		\$22,663	\$13,403	\$9,260
42		All Other Companies		\$0	\$0	\$0
43				\$0	\$0	\$0
44	TOTAL			<u>\$43,855</u>	<u>\$29,352</u>	<u>\$14,502</u>
45						

Line Notes

- 19 Schedule MAL-3 (Rev-2), Page 8
- 30 Schedule MAL-3 (Rev-2), Page 8
- 40 Schedule MAL-3 (Rev-2), Page 8

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

For Historic Test Year ended Test Year Ended June 30, 2017 and Rate Year Ending August 31, 2019

Facility Name	Test Year Ended	Normalizing	Test Year Ended June
	June 30, 2017		30, 2017
	(Per Books)	Adjustments	(as Adjusted)
	Gas	Gas	Gas
	(a)	(b)	(c)
1 Intercompany Rent Northboro	\$835,187	\$0	\$835,187
2 Intercompany Rent Sutton	\$503,382	\$0	\$503,382
3 Intercompany Rent Worcester	\$116,247	\$0	\$116,247
4 Intercompany Rent Millbury	\$91,935	\$0	\$91,935
5 Intercompany Rent Brockton	\$1,992	\$0	\$1,992
6 AG Airplane O&M Rents	\$24,289	(\$24,289)	\$0
7 AG Rents and Maintenance	\$6,816	\$0	\$6,816
8 TOTAL Joint Facilities Expense	<u>\$1,579,848</u>	<u>(\$24,289)</u>	<u>\$1,555,559</u>

Column Notes

- (a) Per Company Books
- (c) (a) + (b)

Schedule MAL-19 (REV-2)

Uninsured Claims

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

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017			
	(Per Books)			(as Adjusted)			(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	\$569,525	\$4,250	\$565,275	(\$9,192)	(\$9,192)	\$0	\$560,333	(\$4,942)	\$565,275
2	National Grid USA Service Company	\$1,055,329	\$781,142	\$274,187	(\$109,334)	(\$109,334)	\$0	\$945,995	\$671,808	\$274,187
3	All Other Companies	\$23,205	\$16,172	\$7,033	(\$3,131)	(\$3,131)	\$0	\$20,074	\$13,041	\$7,033
4	Total	<u>\$1,648,059</u>	<u>\$801,565</u>	<u>\$846,495</u>	<u>(\$121,657)</u>	<u>(\$121,657)</u>	<u>\$0</u>	<u>\$1,526,402</u>	<u>\$679,907</u>	<u>\$846,495</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	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	\$1,648,059	\$801,565	\$846,495	(\$121,657)	(\$121,657)	\$0	\$1,526,402	\$679,907	\$846,495
18	Sub Total	<u>\$1,648,059</u>	<u>\$801,565</u>	<u>\$846,495</u>	<u>(\$121,657)</u>	<u>(\$121,657)</u>	<u>\$0</u>	<u>\$1,526,402</u>	<u>\$679,907</u>	<u>\$846,495</u>
19										
20										
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	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	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>
26										
27										
28	TOTAL	<u>\$1,648,059</u>	<u>\$801,565</u>	<u>\$846,495</u>	<u>(\$121,657)</u>	<u>(\$121,657)</u>	<u>\$0</u>	<u>\$1,526,402</u>	<u>\$679,907</u>	<u>\$846,495</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Per Company Books
- 2(a) Per Company Books
- 3(a) Per Company Books
- 1(e) Page 5, Line 38
- 2(e) Page 5, Line 40
- 3(e) Page 5, Line 4 + Page 5, Line 7 + Page 5, Line 11
- 19(a) Page 5, Line 31
- 19(b) Line 4(b)
- 19(c) Line 4(c)
- 28(a) - (i) Line 20(a) - (i)

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

	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)							Total (g) = (h) + (i)
Provider Company:										
1	Narragansett Electric Company	\$560,333	(\$4,942)	\$565,275	\$956,649	\$1,163,652	(\$207,003)	\$1,516,982	\$1,158,710	\$358,272
2	National Grid USA Service Company	\$945,995	\$671,808	\$274,187	\$0	\$0	\$0	\$945,995	\$671,808	\$274,187
3	All Other Companies	\$20,074	\$13,041	\$7,033	\$0	\$0	\$0	\$20,074	\$13,041	\$7,033
4	Total	\$1,526,402	\$679,907	\$846,495	\$956,649	\$1,163,652	(\$207,003)	\$2,483,051	\$1,843,559	\$639,492
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	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	\$1,526,402	\$679,907	\$846,495	\$956,649	\$1,163,652	(\$207,003)	\$2,483,051	\$1,843,559	\$639,492
18	Sub Total	\$1,526,402	\$679,907	\$846,495	\$956,649	\$1,163,652	(\$207,003)	\$2,483,051	\$1,843,559	\$639,492
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	\$1,526,402	\$679,907	\$846,495	\$956,649	\$1,163,652	(\$207,003)	\$2,483,051	\$1,843,559	\$639,492
27		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28										

Line Notes

- 1(b) Page 1, Line 1 (h)
- 2(b) Page 1, Line 2 (h)
- 3(b) Page 1, Line 3 (h)
- 1(c) Page 1, Line 1 (i)
- 2(c) Page 1, Line 2 (i)
- 3(c) Page 1, Line 3 (i)
- 1(e) Page 5, Line 31(a)
- 1(f) Page 5, Line 31(b)
- 19(a) - (i) Line 4(a) - (i)
- 28(a) - (i) Line 19(a) - (i)

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

	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	\$1,158,710	\$30,822	\$1,189,532	\$28,906	\$1,218,437
2	National Grid USA Service Company	\$671,808	\$17,870	\$689,678	\$16,759	\$706,437
3	All Other Companies	\$13,041	\$347	\$13,388	\$325	\$13,714
4	Total	<u>\$1,843,559</u>	<u>\$49,039</u>	<u>\$1,892,598</u>	<u>\$45,990</u>	<u>\$1,938,588</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 and Processing Exp.	\$0	\$0	\$0	\$0	\$0
11	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
14	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0
16	Sales Expenses	\$0	\$0	\$0	\$0	\$0
17	Administrative & General Expenses	\$1,843,559	\$49,039	\$1,892,598	\$45,990	\$1,938,588
18	Sub Total	<u>\$1,843,559</u>	<u>\$49,039</u>	<u>\$1,892,598</u>	<u>\$45,990</u>	<u>\$1,938,588</u>
19						
20						
21	Maintenance:					
22	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
23	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
24	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
25	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
26						
27						
28	TOTAL	<u>\$1,843,559</u>	<u>\$49,039</u>	<u>\$1,892,598</u>	<u>\$45,990</u>	<u>\$1,938,588</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Page 2, Line 1 (h)
- 2(a) Page 2, Line 2 (h)
- 3(a) Page 2, Line 3 (h)
- 1(b) Page 5, Line 38(b)
- 2(b) Page 5, Line 40(b)
- 3(b) Page 5, Line 42(b)
- 1(d) Page 5, Line 49(b)
- 2(d) Page 5, Line 51(b)
- 3(d) Page 5, Line 53(b)
- 19(a) - (e) Line 4(a) - (e)
- 28(a) - (e) Line 19(a) - (e)

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

	Rate Year Ending August 31, 2019 Gas (a)	Adjustments to Reflect Conditions in Data Year Gas (b)	Data Year 1 Ending August 31, 2020 Gas (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year Gas (d)	Data Year 2 Ending August 31, 2021 Gas (e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$358,272	\$9,530	\$367,802	\$8,938	\$376,740
2	National Grid USA Service Company	\$274,187	\$7,293	\$281,481	\$6,840	\$288,321
3	All Other Companies	\$7,033	\$187	\$7,220	\$175	\$7,395
4	Total	\$639,492	\$17,010	\$656,503	\$15,953	\$672,456
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 and Processing Exp.	\$0	\$0	\$0	\$0	\$0
11						
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	\$0	\$0	\$0	\$0	\$0
17						
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$639,492	\$17,010	\$656,503	\$15,953	\$672,456
20	Sub Total	\$639,492	\$17,010	\$656,503	\$15,953	\$672,456
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	\$639,492	\$17,010	\$656,503	\$15,953	\$672,456
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Page 2, Line 1 (i)
- 2(a) Page 2, Line 2 (i)
- 3(a) Page 2, Line 3 (i)
- 1(b) Page 5, Line 38(c)
- 2(b) Page 5, Line 40(c)
- 3(b) Page 5, Line 42(c)
- 1(d) Page 5, Line 49(c)
- 2(d) Page 5, Line 51(c)
- 3(d) Page 5, Line 53(c)
- 19(a) - (e) Line 4(a) - (e)
- 28(a) - (e) Line 19(a) - (e)

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

Explanation of Adjustments:	Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1 Page 1 Adjustments: (to normalize Historic Year)					
2 (IFA) Integrated Facilities Agreement	Narragansett Electric Company	Workpaper MAL-1 Line 26(a)	(\$581)	(\$581)	\$0
3 (IFA) Integrated Facilities Agreement	National Grid USA Service Company	Workpaper MAL-1 Line 26(b)	(\$106,704)	(\$106,704)	\$0
4 (IFA) Integrated Facilities Agreement	All Other Companies	Workpaper MAL-1 Line 26(c)	(\$2,209)	(\$2,209)	\$0
5 Inspection & Maintenance	Narragansett Electric Company	Schedule MAL-3 Page 6, Line 13(e)	(\$4,432)	(\$4,432)	\$0
6 Inspection & Maintenance	National Grid USA Service Company	Schedule MAL-3 Page 6, Line 13(e)	(\$21)	(\$21)	\$0
7 Inspection & Maintenance	All Other Companies	Schedule MAL-3 Page 6, Line 13(e)	(\$782)	(\$782)	\$0
8 Parent Company Funding Initiatives	Narragansett Electric Company	Schedule MAL-3 Page 6, Line 13(g)	(\$4,180)	(\$4,180)	\$0
9 Major Storm Fund adjustment	Narragansett Electric Company	Schedule MAL-3 Page 6, Line 13(f)	\$0	-	\$0
10 Major Storm Fund adjustment	National Grid USA Service Company	Schedule MAL-3 Page 6, Line 13(f)	(\$2,550)	(2,550)	\$0
11 Major Storm Fund adjustment	All Other Companies	Schedule MAL-3 Page 6, Line 13(f)	(\$140)	(140)	\$0
12 FCM Adjustment	National Grid USA Service Company	Schedule MAL-3 Page 6, Line 13(f)	(\$59)	(59)	\$0
13 TOTAL			(\$121,657)	(\$121,657)	\$0
14					
15					
16					
17					
18					
19					
20 Page 2 Adjustments: (to reflect conditions in the Rate Year 2019)					
21					
22 General inflation %			(a) = (b) + (c)	(b)	(c)
23	4.63%	Narragansett Electric Company	\$0	\$0	\$0
24		National Grid USA Service Co.	\$0	\$0	\$0
25		All Other Companies	\$326	\$0	\$326
26					
27					
28					
29 5 Year average adj for General/Auto & WC cClaims		Narragansett Electric	\$956,649	\$1,163,652	(\$207,003)
30					
31 TOTAL			\$956,975	\$1,163,652	(\$206,677)
32					
33					
34					
35 Page 2 Adjustments: (to reflect conditions in the Rate Year 2020)					
36					
37 General inflation %			(a) = (b) + (c)	(b)	(c)
38	2.66%	Narragansett Electric Company	\$40,352	\$30,822	\$9,530
39		National Grid USA Service Co.	\$25,163	\$17,870	\$7,293
40		All Other Companies	\$534	\$347	\$187
41					
42					
43					
44 5 Year average adj for General/Auto & WC cClaims		Narragansett Electric			
45					
46 Page 2 Adjustments: (to reflect conditions in the Rate Year 2021)			\$66,049	\$49,039	\$17,010
47					
48 General inflation %			(a) = (b) + (c)	(b)	(c)
49	2.43%	Narragansett Electric Company	\$37,843	\$28,906	\$8,938
50		National Grid USA Service Co.	\$23,599	\$16,759	\$6,840
51		All Other Companies	\$501	\$325	\$175
52					
53					
54					
55					
56					
57 5 Year average adj for General/Auto & WC cClaims		Narragansett Electric			
58					
59					
60 TOTAL			\$61,943	\$45,990	\$15,953

Line Notes

- 29(b) Page 6, Line 25(c)
- 29(c) Page 7 Line 17(c)
- 38(b)-(c) Page 3, Line 1(a) x Schedule MAL-3, Page 8
- 40(b)-(c) Page 3, Line 2(a) x Schedule MAL-3, Page 8
- 42(b)-(c) Page 3, Line 3(a) x Schedule MAL-3, Page 8
- 46 (a) - (c) Sum of Lines 38 -42
- 49(b)-(c) Page 3, Line 1(c) x Schedule MAL-3, Page 8
- 51(b)-(c) Page 3, Line 2(c) x Schedule MAL-3, Page 8
- 53(b)-(c) Page 3, Line 3(c) x Schedule MAL-3, Page 8
- 60 (a) - (c) Sum of Lines 49-53

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

1	Test Year Expense Per Books - Electric		\$801,565
2			
3	Less Amount applicable to the IFA		(\$121,657)
4			
5	Total Test Year Expense		\$679,907
6			
7			
8		Actual Claims Paid 12 Months Ended June 30, 2017	
9			
10			
11		General & Auto	Workers Comp
12		(a)	(b)
			(a)+(b) = (c)
13	2013	\$1,670,368	\$798,918
14	2014	\$2,719,916	\$529,345
15	2015	\$536,943	\$675,002
16	2016	\$962,120	\$565,280
17	2017	\$1,292,241	\$448,666
18			
19	5 yr Average before IFA	\$1,436,318	\$603,442
20			\$2,039,760
21	Less Amount applicable to the IFA to General &Auto Only		13.66%
22			(\$196,201)
23	Proforma 5 yr Average for Claims after IFA		\$1,843,559
24			
25	Total Proforma Adjustment		\$1,163,652

Line Notes

- 1 Per Company Books
- 3 Page 5, Line 13
- 5 Line 1 + Line 3
- 13(a) Page 8, Line 15(a)
- 13(b) Page 9, Line 27(a)
- 14(a) Page 8, Line 15(b)
- 14(b) Page 9, Line 27(b)
- 15(a) Page 8, Line 15(c)
- 15(b) Page 9, Line 27(c)
- 16(a) Page 8, Line 15(d)
- 16(b) Page 9, Line 27(d)
- 17(a) Page 8, Line 15(e)
- 17(b) Page 9, Line 27(e)
- 19(a) - (c) (Line 13 - Line 17) divided by 5
- 21(b) Per Company Books
- 21(c) Line 21(b) x Line 19(a)
- 23 Line 19(c) + Line 21(c)
- 25 Line 23(c) - Line 5

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket No. 4770
Schedule MAL-19 (Rev-2)
Page 7 of 9

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

1	Test Year Expense Per Books - Gas	\$846,495
2		
3		
4	<u>Actual Claims Paid 12 Months Ended June 30, 2017:</u>	
5		
6	<u>General & Auto Workers Comp Total</u>	
7	(a) (b) (a)+(b) = (c)	
8	2013	\$710,822
9	2014	\$630,064
10	2015	\$679,861
11	2016	\$564,856
12	2017	\$611,858
13		
14	5 yr Average	<u>\$639,492</u>
15		
16		
17	Proforma Adjustment	<u><u>(\$207,003)</u></u>

Line Notes

- 1 Per Company Books
- 8(a) Page 8, Line 16(a)
- 8(b) Page 9, Line 28(a)
- 9(a) Page 8, Line 16(b)
- 9(b) Page 9, Line 28(b)
- 10(a) Page 8, Line 16(c)
- 10(b) Page 9, Line 28(c)
- 11(a) Page 8, Line 16(d)
- 11(b) Page 9, Line 28(d)
- 12(a) Page 8, Line 16(e)
- 12(b) Page 9, Line 28(e)
- 14(a) - (c) (Line 13 - Line 17) divided by 5
- 17 Line 14(c) - Line 1

The Narragansett Electric Company d/b/a National Grid
General & Auto Claims Paid

Company	2013	2014	2015	2016	2017	Grand Total
	(a)	(b)	(c)	(d)	(e)	
1 Narragansett Electric (Electric)	\$1,649,938	\$2,199,782	\$832,352	\$958,458	\$1,291,540	\$6,932,070
2 Narragansett Electric (Gas)	\$489,198	\$210,666	\$589,217	\$369,216	\$400,824	\$2,059,121
3 National Grid USA Service Company	\$283,346	\$7,214,064	(\$4,097,204)	\$50,785	\$9,724	\$3,460,715
4 Grand Total	\$2,422,482	\$9,624,512	(\$2,675,635)	\$1,378,460	\$1,702,087	\$12,451,906
5						
6						
7 ServCo Percentage Charged to Narragansett Electric (Electric) - Total	7.21%					
8 ServCo Percentage Charged to Narragansett Electric(Gas) - Total	2.83%					
9						
10 Service Co Portion General/Auto	2013	2014	2015	2016	2017	Grand Total
11 Narragansett Electric (Electric)	\$20,429	\$520,134	(\$295,408)	\$3,662	\$701	\$249,518
12 Narragansett Electric (Gas)	\$8,019	\$204,158	(\$115,951)	\$1,437	\$275	\$97,938
13						
14 Total Claims Paid by Segment	2013	2014	2015	2016	2017	Grand Total
15 Narragansett Electric (Electric)	\$1,670,368	\$2,719,916	\$536,943	\$962,120	\$1,292,241	\$7,181,588
16 Narragansett Electric (Gas)	\$497,217	\$414,825	\$473,266	\$370,653	\$401,099	\$2,157,059
17						
18 Total Claims Paid	\$2,167,584	\$3,134,740	\$1,010,209	\$1,332,773	\$1,693,340	\$9,338,647

Line Notes

- 1 Per Company Data
- 2 Per Company Data
- 3 Per Company Data
- 7 Per Company Data
- 8 Per Company Data
- 11 Line 3 (a)-(e) x Line 7 (a)-(e)
- 12 Line 3 (a)-(e) x Line 8 (a)-(e)
- 15 Line 1 (a)-(e) + Line 11 (a)-(e)
- 16 Line 2 (a)-(e) + Line 12 (a)-(e)
- 18 Line 15 + Line 16

The Narragansett Electric Company d/b/a National Grid
Workers Claims Paid

<u>Company</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>Grand Total</u>
	(a)	(b)	(c)	(d)	(e)	
1 Narragansett Electric (Electric)	\$1,335,774	\$809,276	\$1,157,117	\$881,886	\$718,358	\$4,902,410
2 Narragansett Electric (Gas)	\$320,094	\$344,513	\$340,784	\$295,834	\$368,909	\$1,670,135
3 National Grid USA Service Company	\$4,190,735	\$3,634,468	\$3,217,816	\$3,681,166	\$2,713,471	\$17,437,657
4 Grand Total	\$5,846,604	\$4,788,257	\$4,715,717	\$4,858,886	\$3,800,738	\$24,010,202
5						
6 Share of Worker's Comp Claims Paid for Rate Year Ended August 31, 2019						
7 Percentage Charged to Narragansett Electric(Electric)	100.00%					
8 Percentage Charged to Narragansett Electric(Gas)	100.00%					
9 O&M Percentage for Narragansett Electric Claims Paid	46.83%					
10 O&M Percentage for Narragansett Gas Claims Paid	44.82%					
11						
12 ServCo Percentage Charged to Narragansett Electric (Electric) - Total	7.21%					
13 ServCo Percentage Charged to Narragansett Electric(Gas) - Total	2.83%					
14						
15 ServCo Percentage Charged to Narragansett Electric O&M Labor	57.38%					
16 ServCo Percentage Charged to Narragansett Gas O&M Labor	59.14%					
17						
18 Service Co Portion Workers Comp	2013	2014	2015	2016	2017	Total
19 Narragansett Electric (Electric)	\$173,375	\$150,362	\$133,124	\$152,293	\$112,259	\$721,413
20 Narragansett Electric (Gas)	\$70,139	\$60,829	\$53,855	\$61,610	\$45,414	\$291,847
21						
22 Narragansett Electric O&M Portion	2013	2014	2015	2016	2017	Total
23 Narragansett Electric (Electric)	\$625,543	\$378,984	\$541,878	\$412,987	\$336,407	\$2,295,799
24 Narragansett Electric (Gas)	\$143,466	\$154,411	\$152,739	\$132,593	\$165,345	\$748,554
25						
26 Total Claims Paid	2013	2014	2015	2016	2017	Total
27 Narragansett Electric (Electric)	\$798,918	\$529,345	\$675,002	\$565,280	\$448,666	\$3,017,212
28 Narragansett Electric (Gas)	\$213,605	\$215,239	\$206,595	\$194,203	\$210,760	\$1,040,402
29						
30 Grand Total	\$1,012,523	\$744,585	\$881,597	\$759,484	\$659,426	\$4,057,614

Line Notes

- 1 Per Company Data
- 2 Per Company Data
- 3 Per Company Data
- 7 Per Company Data
- 8 Per Company Data
- 9 Schedule MAL-12, Page 6 Line 4(f)
- 10 Schedule MAL-12, Page 7 Line 4(f)
- 12 Per Company Data
- 13 Per Company Data
- 15 Schedule MAL-12, Page 8 Line 6(f)
- 16 Schedule MAL-12, Page 9 Line 6(f)
- 19 Line 3 (a)-(e) x Line 12(a) x Line 15(a)
- 20 Line 3 (a)-(e) x Line 13(a) x Line 16(a)
- 23 Line 1 (a)-(e) x Line 7(a) x Line 9(a)
- 24 Line 2 (a)-(e) x Line 8(a) x Line 10(a)
- 30 Line 27 (a) - (e) + Line 28 (a) - (e)

Schedule MAL-20 (REV-2)

Insurance Premium

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

	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	\$4,059	\$968	\$3,091	(\$132)	(\$132)	\$0	\$3,927	\$836	\$3,091
2 National Grid USA Service Company	\$2,922,151	\$2,096,258	\$825,893	(\$286,349)	(\$286,349)	\$0	\$2,635,802	\$1,809,909	\$825,893
3 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$2,926,210</u>	<u>\$2,097,226</u>	<u>\$828,984</u>	<u>(\$286,481)</u>	<u>(\$286,481)</u>	<u>\$0</u>	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</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>\$2,926,210</u>	<u>\$2,097,226</u>	<u>\$828,984</u>	<u>(\$286,481)</u>	<u>(\$286,481)</u>	<u>\$0</u>	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</u>
20 Sub Total	<u>\$2,926,210</u>	<u>\$2,097,226</u>	<u>\$828,984</u>	<u>(\$286,481)</u>	<u>(\$286,481)</u>	<u>\$0</u>	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</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>\$2,926,210</u>	<u>\$2,097,226</u>	<u>\$828,984</u>	<u>(\$286,481)</u>	<u>(\$286,481)</u>	<u>\$0</u>	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</u>
Line Notes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1(a) Per Company Books									
1(b) Page 3, Line 2									
1(c) Line 1(a) plus Line 1(b)									
2(a) Per Company Books									
2(c) Line 2(a) plus Line 2(b)									
19(a) Per Company Books									
19(b) Page 3, Line 19									
19(c) Line 19(a) plus Line 19(b)									
28(a) Per Company Books									
28(b) Page 3, Line 19									
28(c) Line 19(a) plus Line 19(b)									

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

	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)							Electric (g)
Provider Company:										
1	Narragansett Electric Company	\$3,927	\$836	\$3,091	\$0	\$0	\$0	\$3,927	\$836	\$3,091
2	National Grid USA Service Company	\$2,635,802	\$1,809,909	\$825,893	\$373,090	\$280,149	\$92,940	\$3,008,892	\$2,090,058	\$918,833
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</u>	<u>\$373,090</u>	<u>\$280,149</u>	<u>\$92,940</u>	<u>\$3,012,818</u>	<u>\$2,090,894</u>	<u>\$921,924</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 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	\$2,639,729	\$1,810,745	\$828,984	\$373,090	\$280,149	\$92,940	\$3,012,818	\$2,090,894	\$921,924
18	Sub Total	<u>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</u>	<u>\$373,090</u>	<u>\$280,149</u>	<u>\$92,940</u>	<u>\$3,012,818</u>	<u>\$2,090,894</u>	<u>\$921,924</u>
19										
20										
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>\$2,639,729</u>	<u>\$1,810,745</u>	<u>\$828,984</u>	<u>\$373,090</u>	<u>\$280,149</u>	<u>\$92,940</u>	<u>\$3,012,818</u>	<u>\$2,090,894</u>	<u>\$921,924</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Per Company Books
- 1(b) Page 3, Line 51 divided by (Line 1(a) divided Line 4(a))
- 1(c) Line 1(a) plus Line 1(b)
- 2(a) Per Company Books
- 2(b) Page 3, Line 51 divided by (Line 1(b) divided Line 4(b))
- 2(c) Line 2(a) plus Line 2(b)
- 19(a) Per Company Books
- 19(b) Page 3, Line 27
- 19(c) Line 19(a) plus Line 19(b)
- 28(a) Line 4(a)
- 28(b) Page 3, Line 27
- 28(c) Line 19(a) plus Line 19(b)

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

	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	\$836	\$22	\$858	\$21	\$879
2	National Grid USA Service Company	\$2,090,058	\$55,596	\$2,145,654	\$52,139	\$2,197,793
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$2,090,894</u>	<u>\$55,618</u>	<u>\$2,146,512</u>	<u>\$52,160</u>	<u>\$2,198,672</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	\$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	\$2,090,894	\$55,618	\$2,146,512	\$52,160	\$2,198,672
20	Sub Total	<u>\$2,090,894</u>	<u>\$55,618</u>	<u>\$2,146,512</u>	<u>\$52,160</u>	<u>\$2,198,672</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>\$2,090,894</u>	<u>\$55,618</u>	<u>\$2,146,512</u>	<u>\$52,160</u>	<u>\$2,198,672</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) - 3(a) Page 2, Lines 1(h) - 3(h)
- 1(b) - 3(b) Page 5, Lines 25(b) & 26(b)
- 1(d) - 3(d) Page 5, Lines 34(b) & 35(b)
- 4 Sum of Lines 1 to 3
- 19 Line 4
- 28 Line 20

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

	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	\$3,091	\$24,441	\$27,532	\$49,860
2	National Grid USA Service Company	\$918,833	\$0	\$918,833	\$918,833
3	All Other Companies	\$0	\$0	\$0	\$0
4	Total	<u>\$921,924</u>	<u>\$24,441</u>	<u>\$946,365</u>	<u>\$22,328</u>
5					<u>\$968,693</u>
6					
7	Operation:				
8	Production Expenses	\$0	\$0	\$0	\$0
9	Power Production Expenses	\$0	\$0	\$0	\$0
10	Natural Gas Storage, Terminaling and Processing Exp.	\$0	\$0	\$0	\$0
11	Transmission Expenses	\$0	\$0	\$0	\$0
12	Regional Market Expenses	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$0	\$0	\$0	\$0
14	Customer Accounts Expenses	\$0	\$0	\$0	\$0
15	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0
16	Sales Expenses	\$0	\$0	\$0	\$0
17	Administrative & General Expenses	\$921,924	\$24,441	\$946,365	\$22,328
18	Sub Total	<u>\$921,924</u>	<u>\$24,441</u>	<u>\$946,365</u>	<u>\$22,328</u>
19					<u>\$968,693</u>
20					
21	Maintenance:				
22	Transmission Expenses	\$0	\$0	\$0	\$0
23	Distribution Expenses	\$0	\$0	\$0	\$0
24	Administrative & General Expenses	\$0	\$0	\$0	\$0
25	Sub Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
26					
27					
28	TOTAL	<u>\$921,924</u>	<u>\$24,441</u>	<u>\$946,365</u>	<u>\$22,328</u>
		\$0	\$0	\$0	\$0

Line Notes

- 1(a) - 3(a) Page 2, Lines 1(i) - 3(i)
- 1(b) - 3(b) Page 5, Lines 25(c) & 26(c)
- 1(d) - 3(d) Page 5, Lines 34(c) & 35(c)
- 4 Sum of Lines 1 to 3
- 19 Line 4
- 28 Line 20

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

Explanation of Adjustments:	Provider Company	Source Workpaper	Total	Electric	Gas
			(a) = (b) + (c)	(b)	(c)
1 Page 1 Adjustments: (to normalize Historic Year)					
2 (IFA) Integrated Facilities Agreement	Narragansett Electric Company	Workpaper MAL-1, Line 10(a)	(\$132)	(\$132)	\$0
3 (IFA) Integrated Facilities Agreement	National Grid USA Service Company	Workpaper MAL-1 Line 10(b)	(\$286,349)	(\$286,349)	\$0
4			\$0	\$0	\$0
5			\$0	\$0	\$0
6			\$0	\$0	\$0
7			\$0	\$0	\$0
8					
9 TOTAL			<u>(\$286,481)</u>	<u>(\$286,481)</u>	<u>\$0</u>
10					
11					
12					
13 Page 2 Adjustments: (to reflect conditions in the Rate Year)					
14			(a) = (b) + (c)	(b)	(c)
15			\$0	\$0	\$0
16 4.63%	Narragansett Electric Company		\$373,090	\$280,149	\$92,940
17	National Grid USA Service Co.		\$0	\$0	-
18					
19					
20 TOTAL			<u>\$373,090</u>	<u>\$280,149</u>	<u>\$92,940</u>
21					
22 Page 2 Adjustments: (to reflect conditions in the Rate Year)					
23			(a) = (b) + (c)	(b)	(c)
24 General inflation %			\$104	\$22	\$82
25 2.66%	Narragansett Electric Company		\$80,037	\$55,596	\$24,441
26	National Grid USA Service Company		\$0	\$0	\$0
27	All Other Companies				
28					
29 TOTAL			<u>\$80,141</u>	<u>\$55,618</u>	<u>\$24,523</u>
30					
31 Page 2 Adjustments: (to reflect conditions in the Rate Year)					
32			(a) = (b) + (c)	(b)	(c)
33 General inflation %			\$690	\$21	\$669
34 2.43%	Narragansett Electric Company		\$74,467	\$52,139	\$22,328
35	National Grid USA Service Company		\$0	\$0	\$0
36	All Other Companies				
37					
38 TOTAL			<u>\$75,157</u>	<u>\$52,160</u>	<u>\$22,997</u>

Line Notes

- 17(b) Page 6, Line 76(j)
- 17(c) Page 7, Line 72(j)
- 25(b) Page 3, Line 1(a) x Schedule MAL-3, Page 8
- 25(c) Page 4, Line 1(a) x Schedule MAL-3, Page 8
- 26(b) Page 3, Line 2(a) x Schedule MAL-3, Page 8
- 26(c) Page 4, Line 2(a) x Schedule MAL-3, Page 8
- 34(b) Page 3, Line 1(c) x Schedule MAL-3, Page 8
- 34(c) Page 4, Line 1(c) x Schedule MAL-3, Page 8
- 35(b) Page 3, Line 2(c) x Schedule MAL-3, Page 8
- 35(c) Page 4, Line 2(c) x Schedule MAL-3, Page 8

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Insurance Premium - Electric
Rate Year Ending August 31, 2019

Line of Coverage	(a) Policy Period Begins	(b) Policy Period Ends	(c) Policy Midpoint	(d) Policy Number	(e) Carrier	(f) Total Premium Paid on the Policy	(g) Allocated % Elec	(f) x (g)		(i) Days of Inflation	(j) Inflation Adjustment	(k) = (b) + (j) Total Amortized Expense
								Annualized Expense Elec	Total Expense			
1 Aviation	4/1/2016	4/1/2017	9/30/2016	10045246	Global Aerospace	77,272	8.510%	6,572	883	255	5,187	
2 Aviation	4/1/2017	4/1/2018	9/30/2017	10045246	Global Aerospace	66,202	8.370%	5,520	518	42	1,427	
3												
4 Business Interruption	4/1/2016	4/1/2017	9/30/2016	NGUS/PD/16/031	NGI USA	984,808	8.510%	83,855	883	3,251	66,106	
5 Business Interruption	4/1/2017	4/1/2018	9/30/2017	NGUS/PD/17/001	NGI USA	787,846	8.370%	66,486	518	495	16,981	
6												
7 Business Travel Accident	1/1/2016	1/1/2017	7/2/2016	GTP9132752-A	AIG	67,099	3.970%	2,673	973	76	1,408	
8 Business Travel Accident	1/1/2017	1/1/2018	7/2/2017	GTP9132752-A	AIG	65,936	3.840%	2,552	608	45	1,311	
9												
10 Cyber Liability	4/1/2017	4/1/2018	9/30/2017	NGUS/CTP/17/035	NGI USA	1,694,420	8.370%	142,528	518	1,064	36,520	
11 Cyber Property	4/1/2017	4/1/2018	9/30/2017	NGUS/CTP/17/034	NGI USA	1,214,910	8.370%	101,697	518	763	26,185	
12												
13 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	DP5428203P	AEGIS	286,185	8.510%	24,347	1,004	599	10,747	
14 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	293270-15DO	EIM	327,346	8.510%	27,868	1,004	685	12,292	
15 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	various	various	891,500	8.510%	75,847	1,004	1,867	33,478	
16						Total		1,505,031		3,151	56,517	
17 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	DP5428204P	AEGIS	211,698	8.370%	17,738	639	384	10,720	
18 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	293270-16DO	EIM	310,979	8.370%	26,136	639	564	15,748	
19 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	various	various	802,349	8.370%	67,175	639	1,456	40,631	
20						Total		1,325,026		2,404	67,099	
21 Excess Liability	4/1/2016	4/1/2017	9/30/2016	XL5088705P	AEGIS	7,357,649	8.510%	626,602	883	24,290	493,892	
22 Excess Liability	4/1/2016	4/1/2017	9/30/2016	253357-16GL	EIM	738,937	8.510%	62,868	883	2,440	49,603	
23						Total		8,096,586		26,730	543,495	
24 Excess Liability	4/1/2017	4/1/2018	9/30/2017	XL5088706P	AEGIS	7,163,144	8.370%	600,000	518	4,499	154,388	
25 Excess Liability	4/1/2017	4/1/2018	9/30/2017	253357-17GL	EIM	738,937	8.370%	61,868	518	464	15,926	
26						Total		7,902,081		4,963	170,314	
27 Employment Practices Liability	11/30/2015	11/30/2016	5/31/2016	02-582-90-57	AIG	240,077	3.970%	9,632	1,005	235	4,206	
28 Employment Practices Liability	11/30/2016	11/30/2017	5/31/2017	02-817-52-42	AIG	196,000	3.840%	7,526	640	163	4,553	
29												
30 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	02-582-92-02	AIG	135,695	3.970%	5,386	1,005	133	2,378	
31 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	FX5040715P	AEGIS	261,000	3.970%	10,361	1,005	255	4,572	
32 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	273269-15FL	EIM	217,853	3.970%	8,648	1,005	213	3,817	
33 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	6800-2140	Chubb	70,596	3.970%	2,803	1,005	69	1,237	
34						Total		1,121,221		11,334	12,004	
35 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	02-817-52-44	AIG	74,261	3.840%	2,831	640	62	1,725	
36 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	FX5040715P	AEGIS	176,426	3.840%	6,735	640	147	4,099	
37 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	273269-16FL	EIM	147,368	3.840%	5,658	640	123	3,424	
38 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	6800-2140	Chubb	46,000	3.840%	1,757	640	38	1,068	
39						Total		444,055		9,946	10,316	
40 Fidelity Bond (Crime)	11/30/2015	11/30/2016	5/31/2016	02-582-92-71	AIG	85,359	3.970%	3,388	1,005	83	1,495	
41 Fidelity Bond (Crime)	11/30/2015	11/30/2016	5/31/2016	XSC-554-40-90-1300	Great American Ins Co	29,790	3.970%	1,188	1,005	29	522	
42						Total		115,149		1,195	2,018	
43 Fidelity Bond (Crime)	11/30/2016	11/30/2017	5/31/2017	28405318	AIG	68,237	3.840%	2,607	640	57	1,586	
44 Fidelity Bond (Crime)	11/30/2016	11/30/2017	5/31/2017	BCCRA4500245520	Berkley	17,969	3.840%	691	640	15	418	
45						Total		86,206		1,932	72	
46 Marine Cargo	2/28/2016	4/30/2017	9/28/2016	N05698625	Chubb	9,400	8.200%	775	885	30	608	
47 Marine Cargo	4/30/2017	4/30/2018	10/29/2017	N05698625	Chubb	17,158	7.880%	1,350	489	10	348	
48												
49 Public (Excess) Liability	4/1/2016	4/1/2017	9/30/2016	NGUS/PL/16/03	NGI USA	4,981,250	8.510%	423,928	883	16,445	334,373	
50 Public (Excess) Liability	4/1/2017	4/1/2018	9/30/2017	NGUS/PL/17/03	NGI USA	3,390,363	8.370%	283,500	518	2,129	73,072	
51												
52 Property	4/1/2016	4/1/2017	9/30/2016	NGUS/PD/16/031	NGI USA	17,579,285	3.280%	577,618	883	22,369	454,819	
53 Property	4/1/2017	4/1/2018	9/30/2017	NGUS/PD/17/001	NGI USA	13,512,578	6.420%	869,408	518	6,510	223,387	
54												
55 Property Terrorism	4/1/2016	4/1/2017	9/30/2016	NGUS/TE/16/029&30	NGI USA	321,389	5.981%	19,236	883	746	15,163	
56 Property Terrorism	4/1/2017	4/1/2018	9/30/2017	NGUS/TE/17/029	NGI USA	305,282	7.900%	24,120	518	181	6,210	
57												
58 Workers' Compensation - Excess	7/1/2016	7/1/2017	12/30/2016	EWI-62N-004536-556 (NY), 566 (NH & RI), 576 (MA)	Liberty Mutual	1,208,778	3.840%	46,417	792	2,148	48,565	
59												
60 Broker Fees	6/30/2016	6/30/2017	12/29/2016	various	various	30,720	69.320%	21,295	793	987	22,281	
61												
62 Inspection Fee	6/30/2016	6/30/2017	12/29/2016	various	various	25,230	69.320%	17,490	793	810	18,300	
63												
64 Surety Bonds	6/30/2016	6/30/2017	12/29/2016	various	Travelers	67,046	69.320%	46,476	793	2,153	48,630	
65												
66 Tax on Insurance Premiums	6/30/2016	6/30/2017	12/29/2016	various	various	89,390	69.320%	61,965	793	2,871	64,836	
67												
68						Grand Total Insurance Premiums		2,235,992		102,249	2,338,242	
69												
70 Test Year Insurance Premiums											\$1,810,745	
71												
72 Proforma Adjustment Before IFA											527,497	
73												
74 Less: Amount applicable to the IFA							13.66%				(247,348)	
75												
76 Proforma adjustment revised											280,149	

Column Notes

- (f) Per Company Books
- (i) Page 8 Line 7 - Column (c)
- (j) Column(h) x (1+Page 8 Line 13)* Column (i) - Column (j)

Line Notes

- 70 Page 1, Line 4(h)
- 72 Line 88(h) - Line 70(h)
- 74(a) Per Company Books
- 74 Line 70(h) x Line 74(g)
- 76 Line 72(h) + Line 74(h)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Insurance Premium - Gas
Rate Year Ending August 31, 2019

Line of Coverage	(a)		(c)	(d)	(e)	(f)		(g)		(h) x (g)		(i)	(j)	(k) = (h) + (j)
	Policy Period Begins	Policy Period Ends				Policy Midpoint	Policy Number	Carrier	Total Premium Paid on the Policy	Allocated % Gas	Annualized Expense Gas			
1 Aviation	4/1/2016	4/1/2017	9/30/2016	10045246	Global Aerospace	77,272	2.680%	1,553	883			80		1,633
2 Aviation	4/1/2017	4/1/2018	9/30/2017	10045246	Global Aerospace	66,202	2.850%	472	518			14		486
3														
4 Business Interruption	4/1/2016	4/1/2017	9/30/2016	NGUS/PD/16/031	NGI USA	984,808	2.680%	19,795	883	1,024				20,819
5 Business Interruption	4/1/2017	4/1/2018	9/30/2017	NGUS/PD/17/001	NGI USA	787,846	2.850%	5,613	518	168				5,781
6														
7 Business Travel Accident	1/1/2016	1/1/2017	7/2/2016	GTP9132752-A	AIG	67,099	4.380%	1,469	973			84		1,553
8 Business Travel Accident	1/1/2017	1/1/2018	7/2/2017	GTP9132752-A	AIG	65,936	4.070%	1,342	608			47		1,389
9														
10 Cyber Liability	4/1/2017	4/1/2018	9/30/2017	NGUS/CTP/17/035	NGI USA	1,694,420	2.850%	12,073	518	362				12,435
11 Cyber Property	4/1/2017	4/1/2018	9/30/2017	NGUS/CTP/17/034	NGI USA	1,214,910	2.850%	8,656	518	260				8,916
12														
13 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	DP5428203P	AEGIS	286,185	2.680%	3,196	1,004	189				3,385
14 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	293270-15DO	EIM	327,346	2.680%	3,655	1,004	216				3,871
15 Directors & Officers	12/1/2015	12/1/2016	6/1/2016	various	various	891,500	2.680%	9,955	1,004	588				10,543
16														
17 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	DP5428204P	AEGIS	211,698	2.850%	3,519	639	131				3,650
18 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	293270-16DO	EIM	310,979	2.850%	5,170	639	192				5,362
19 Directors & Officers	12/1/2016	12/1/2017	6/1/2017	various	various	802,349	2.850%	13,339	639	496				13,835
20														
21 Excess Liability	4/1/2016	4/1/2017	9/30/2016	XL5088705P	AEGIS	7,357,649	2.680%	147,889	883	7,650				155,539
22 Excess Liability	4/1/2016	4/1/2017	9/30/2016	253357-16GL	EIM	738,937	2.680%	14,853	883	768				15,621
23														
24 Excess Liability	4/1/2017	4/1/2018	9/30/2017	XL5088706P	AEGIS	7,163,144	2.850%	51,037	518	1,532				52,569
25 Excess Liability	4/1/2017	4/1/2018	9/30/2017	253357-17GL	EIM	738,937	2.850%	5,265	518	158				5,423
26														
27 Employment Practices Liability	11/30/2015	11/30/2016	5/31/2016	02-582-90-57	AIG	240,077	4.380%	4,381	1,005	259				4,640
28 Employment Practices Liability	11/30/2016	11/30/2017	5/31/2017	02-817-52-42	AIG	196,000	4.070%	4,653	640	173				4,826
29														
30 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	02-582-92-02	AIG	135,695	4.380%	2,476	1,005	146				2,622
31 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	FX5040715P	AEGIS	261,000	4.380%	4,763	1,005	282				5,045
32 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	273269-15FL	EIM	217,853	4.380%	3,976	1,005	235				4,211
33 Fiduciary Liability	11/30/2015	11/30/2016	5/31/2016	6800-2140	Chubb	70,596	4.380%	1,288	1,005	76				1,364
34														
35 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	02-817-52-44	AIG	685,144	4.070%	12,503	640	739,110				13,242
36 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	FX5040715P	AEGIS	176,426	4.070%	4,189	640	156				4,345
37 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	273269-16FL	EIM	147,368	4.070%	3,499	640	130				3,629
38 Fiduciary Liability	11/30/2016	11/30/2017	5/31/2017	6800-2140	Chubb	46,000	4.070%	1,092	640	41				1,133
39														
40 Fidelity Bond (Crime)	11/30/2015	11/30/2016	5/31/2016	02-582-92-71	AIG	85,359	4.380%	1,558	1,005	92				1,650
41 Fidelity Bond (Crime)	11/30/2015	11/30/2016	5/31/2016	XSC-554-40-90-1300	Great American Ins Co	29,790	4.380%	544	1,005	32				576
42														
43 Fidelity Bond (Crime)	11/30/2016	11/30/2017	5/31/2017	28405318	AIG	86,237	4.070%	1,620	640	60				1,680
44 Fidelity Bond (Crime)	11/30/2016	11/30/2017	5/31/2017	BCCR4500245520	Berkley	17,969	4.070%	427	640	16				443
45														
46 Marine Cargo	2/28/2016	4/30/2017	9/28/2016	N05698625	Chubb	9,400	3.320%	234	885	12				246
47 Marine Cargo	4/30/2017	4/30/2018	10/29/2017	N05698625	Chubb	17,158	3.490%	150	489	4				154
48														
49 Public (Excess) Liability	4/1/2016	4/1/2017	9/30/2016	NGUS/PL/16/03	NGI USA	4,981,250	2.680%	100,123	883	5,179				105,302
50 Public (Excess) Liability	4/1/2017	4/1/2018	9/30/2017	NGUS/PL/17/03	NGI USA	3,390,363	2.850%	24,156	518	725				24,881
51														
52 Property	4/1/2016	4/1/2017	9/30/2016	NGUS/PD/16/031	NGI USA	17,579,285	1.892%	249,450	883	12,903				262,353
53 Property	4/1/2017	4/1/2018	9/30/2017	NGUS/PD/17/001	NGI USA	13,512,578	1.100%	37,160	518	1,115				38,275
54														
55 Property Terrorism	4/1/2016	4/1/2017	9/30/2016	NGUS/TE/16/029&30	NGI USA	321,389	3.410%	8,220	883	425				8,645
56 Property Terrorism	4/1/2017	4/1/2018	9/30/2017	NGUS/TE/17/029	NGI USA	305,282	2.050%	1,565	518	47				1,612
57														
58 Workers' Compensation - Excess	7/1/2016	7/1/2017	12/30/2016	EW1-62N-004536-556 (NY), 566 (NH & RI), 576 (MA)	Liberty Mutual	1,208,778	4.070%	49,197	792	2,276				51,473
59														
60 Broker Fees	6/30/2016	6/30/2017	12/29/2016	various	various	30,720	30.680%	9,425	793	437				9,861
61														
62 Inspection Fee	6/30/2016	6/30/2017	12/29/2016	various	various	25,230	30.680%	7,741	793	359				8,099
63														
64 Surety Bonds	6/30/2016	6/30/2017	12/29/2016	various	Travelers	67,046	30.680%	20,570	793	953				21,523
65														
66 Tax on Insurance Premiums	6/30/2016	6/30/2017	12/29/2016	various	various	89,390	30.680%	27,425	793	1,271				28,696
67														
68														
69														
70 Test Year Insurance Premiums														882,984
71														
72 Proforma Adjustment														92,940
Column Notes														
(f) Per Company Books														
(i) Page 8 Line 7 - Column (c)														
(j) Column(h) x (1+Page 8 Line 13)^* Column (i) - Column (i)														
Line Notes														
70 Page 4, Line 4(i)														
72 Line 68(h) - Line 70(h)														
								880,495		41,429.31				921,924

Narragansett Electric Company
Insurance Premiums Inflation
Rate Year Ending August 31, 2019

<u>Line of Coverage</u>	<u>Policy Period</u>
1 Test Year begins	7/1/2016
2 Test Year ends	6/30/2017
3 Test Year Midpoint	12/30/2016
4	
5 Rate Year Begins	9/1/2018
6 Rate Year Ends	8/31/2019
7 Rate Year Midpoint	3/2/2019
8	
9 General Inflation %	4.63%
10	
11 Days Covered	792
12	
13 Daily Rate	0.0057%

Line Notes

- 1 Per Company Books
- 2 Per Company Books
- 3 Per Company Books
- 5 Per Company Books
- 6 Per Company Books
- 7 Per Company Books
- 9 Page 5 Line 16
- 11 Line 7- Line 3
- 13 $(1 + \text{Line 9}) \times (1 \text{ Divided by Line 11}) - 1$

Schedule MAL-21 (REV-2)

Regulatory Assessments

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Regulatory Commission 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) = (b) + (c)	Gas (i) = (c) + (f)
Provider Company:									
1 Narragansett Electric Company	\$6,862,284	\$4,964,621	\$1,897,662	(\$678,167)	(\$678,167)	\$0	\$6,184,116	\$4,286,454	\$1,897,662
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>\$6,862,284</u>	<u>\$4,964,621</u>	<u>\$1,897,662</u>	<u>(\$678,167)</u>	<u>(\$678,167)</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
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	<u>\$6,862,284</u>	<u>\$4,964,621</u>	<u>\$1,897,662</u>	<u>(\$678,167)</u>	<u>(\$678,167)</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
20 Sub Total	<u>\$6,862,284</u>	<u>\$4,964,621</u>	<u>\$1,897,662</u>	<u>(\$678,167)</u>	<u>(\$678,167)</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
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>
28 TOTAL	<u>\$6,862,284</u>	<u>\$4,964,621</u>	<u>\$1,897,662</u>	<u>(\$678,167)</u>	<u>(\$678,167)</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes:

- (a) Per Company Books
- (b) Per Company Books
- (c) Per Company Books
- (e) Page 5 Line 8(c)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Regulatory Commission 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)	Total (g) = (h) + (i)	Electric (h) = (b) + (e)	Gas (i) = (c) + (f)	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)							Electric (g)
Provider Company:										
1	Narragansett Electric Company	\$6,184,116	\$4,286,454	\$1,897,662	\$0	\$0	\$0	\$6,184,116	\$4,286,454	\$1,897,662
2	National Grid USA Service Co.	\$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>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</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 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	\$6,184,116	\$4,286,454	\$1,897,662	\$0	\$0	\$0	\$6,184,116	\$4,286,454	\$1,897,662
18	Sub Total	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
19										
20										
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>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$6,184,116</u>	<u>\$4,286,454</u>	<u>\$1,897,662</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes:

- (b) Page 1, Line 1(h)
- (c) Page 1, Line 1(i)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Regulatory Commission 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	\$4,286,454	\$0	\$4,286,454	\$0	\$4,286,454
2 National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, Terminaling 11 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 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$4,286,454	\$0	\$4,286,454	\$0	\$4,286,454
20 Sub Total	<u>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>
21					
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>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>	<u>\$0</u>	<u>\$4,286,454</u>
	\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Line 1(h)

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

	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	\$1,897,662	\$0	\$1,897,662	\$0	\$1,897,662
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</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
11						
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	\$0	\$0	\$0	\$0	\$0
17						
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$1,897,662	\$0	\$1,897,662	\$0	\$1,897,662
20	Sub Total	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</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>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</u>	<u>\$0</u>	<u>\$1,897,662</u>
		\$0	\$0	\$0	\$0	\$0

Column Notes

(a) Page 2, Line 1(i)

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

Explanation of Adjustments:		<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
				(a) = (b) + (c)	(b)	(c)
1	Page 1	Adjustments: (to normalize Historic Year)				
2		Integrated Facility Agreement	Narragansett Electric Company	(\$678,167)	(\$678,167)	\$0
3			Workpaper MAL-1 Line 21(a)	\$0	\$0	\$0
4			National Grid USA Service Company	\$0	\$0	\$0
5			All Other Companies	\$0	\$0	\$0
6				\$0	\$0	\$0
7						
8				<u>(\$678,167)</u>	<u>(\$678,167)</u>	<u>\$0</u>
9						
10						
11	Page 2	Adjustments: (to reflect conditions in the Rate Year)				
12						
13						
14						
15						
16						
17						
18						
19						
20						
21		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Schedule MAL-22 (REV-2)

Uncollectible Accounts

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

	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)	Gas (i)	
Provider Company:										
1	Narragansett Electric Company	\$13,021,205	\$8,985,373	\$4,035,832	(\$3,294,644)	(\$4,987,981)	\$1,693,337	\$9,726,561	\$3,997,392	\$5,729,169
2	National Grid USA Service Company	(\$43,048)	(\$32,707)	(\$10,341)	\$0	\$0	\$0	(\$43,048)	(\$32,707)	(\$10,341)
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$12,978,156</u>	<u>\$8,952,665</u>	<u>\$4,025,491</u>	<u>(\$3,294,644)</u>	<u>(\$4,987,981)</u>	<u>\$1,693,337</u>	<u>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>
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	\$12,978,156	\$8,952,665	\$4,025,491	(\$3,294,644)	(\$4,987,981)	\$1,693,337	\$9,683,512	\$3,964,684	\$5,718,828
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	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>\$12,978,156</u>	<u>\$8,952,665</u>	<u>\$4,025,491</u>	<u>(\$3,294,644)</u>	<u>(\$4,987,981)</u>	<u>\$1,693,337</u>	<u>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>
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>
28	TOTAL	<u>\$12,978,156</u>	<u>\$8,952,665</u>	<u>\$4,025,491</u>	<u>(\$3,294,644)</u>	<u>(\$4,987,981)</u>	<u>\$1,693,337</u>	<u>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (e) Page 5, Line 4, Column (b)
- 1 (f) Page 5, Line 4, Column (c)
- 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 26

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

	Test Year Ended June 30, 2017						Rate Year Ending August 31, 2019			
	(as Adjusted)			Proforma Adjustments			Total	Electric	Gas	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)	Total (d) = (e) + (f)	Electric (e)	Gas (f)	(g) = (h) + (i)	(h)	(i)	
Provider Company:										
1	Narragansett Electric Company	\$9,726,561	\$3,997,392	\$5,729,169	(\$1,854,556)	\$157,586	(\$2,012,142)	\$7,872,004	\$4,154,978	\$3,717,027
2	National Grid USA Service Company	(\$43,048)	(\$32,707)	(\$10,341)	\$0	\$0	\$0	(\$43,048)	(\$32,707)	(\$10,341)
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>	<u>(\$1,854,556)</u>	<u>\$157,586</u>	<u>(\$2,012,142)</u>	<u>\$7,828,956</u>	<u>\$4,122,270</u>	<u>\$3,706,686</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.	\$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	\$9,683,512	\$3,964,684	\$5,718,828	(\$1,854,556)	\$157,586	(\$2,012,142)	\$7,828,956	\$4,122,270	\$3,706,686
16	Customer Service and	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>	<u>(\$1,854,556)</u>	<u>\$157,586</u>	<u>(\$2,012,142)</u>	<u>\$7,828,956</u>	<u>\$4,122,270</u>	<u>\$3,706,686</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>\$9,683,512</u>	<u>\$3,964,684</u>	<u>\$5,718,828</u>	<u>(\$1,854,556)</u>	<u>\$157,586</u>	<u>(\$2,012,142)</u>	<u>\$7,828,956</u>	<u>\$4,122,270</u>	<u>\$3,706,686</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (e) Page 5, Line 16, Column (b)
- 1 (f) Page 5, Line 16, Column (c)
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Uncollectible Accounts - Electric

	Rate Year Ending August 31, 2019 Electric (a)	Adjustments to Reflect Conditions in Data Year Electric (b)	Data Year 1 Ending August 31, 2020 Electric (c)	Adjustments to Reflect Conditions in Data Year Electric (d)	Data Year 2 Ending August 31, 2021 Electric (e)	
Provider Company:						
1	Narragansett Electric Company	\$4,154,978	\$246,572	\$4,401,549	\$74,921	\$4,476,470
2	National Grid USA Service Company	(\$32,707)	(\$1,941)	(\$34,648)	(\$590)	(\$35,238)
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	\$4,122,270	\$244,631	\$4,366,901	\$74,332	\$4,441,232
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, 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	\$4,122,270	\$244,631	\$4,366,901	\$74,332	\$4,441,232
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$4,122,270	\$244,631	\$4,366,901	\$74,332	\$4,441,232
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	\$4,122,270	\$244,631	\$4,366,901	\$74,332	\$4,441,232
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (b) Page 5, Line 24, Column (b)
- 1 (d) Page 5, Line 33, Column (b)
- 2 (b) Page 5, Line 25, Column (b)
- 2 (d) Page 5, Line 34, Column (b)
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Uncollectible Accounts - Gas

	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)	(d)	(e)	
Provider Company:						
1	Narragansett Electric Company	\$3,717,027	\$284,995	\$4,002,022	\$168,414	\$4,170,435
2	National Grid USA Service Company	(\$10,341)	(\$793)	(\$11,134)	(\$469)	(\$11,602)
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	<u>\$3,706,686</u>	<u>\$284,202</u>	<u>\$3,990,888</u>	<u>\$167,945</u>	<u>\$4,158,833</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, 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	\$3,706,686	\$284,202	\$3,990,888	\$167,945	\$4,158,833
16	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	<u>\$3,706,686</u>	<u>\$284,202</u>	<u>\$3,990,888</u>	<u>\$167,945</u>	<u>\$4,158,833</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>\$3,706,686</u>	<u>\$284,202</u>	<u>\$3,990,888</u>	<u>\$167,945</u>	<u>\$4,158,833</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (b) Page 5, Line 24, Column (c)
- 1 (d) Page 5, Line 33, Column (c)
- 2 (b) Page 5, Line 25, Column (c)
- 2 (d) Page 5, Line 34, Column (c)
- 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 26

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

	Explanation of Adjustments	Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1	Page 1	Adjustments: (to normalize Historic Year)				
2						
3						
4		Test Year Bad Debt Expense Normalizing Adjustment	Page 6 and 7	(\$3,294,644)	(\$4,987,981)	\$1,693,337
5						
6		TOTAL		<u>(\$3,294,644)</u>	<u>(\$4,987,981)</u>	<u>\$1,693,337</u>
7						
8						
9						
10						
11						
12						
13	Page 2	Adjustments: (Known and Measurable Adjustment)				
14						
15						
16		Apply Five Year Average net Write-Off Rate	Page 6 and 7	(\$1,854,556)	\$157,586	(\$2,012,142)
17						
18				<u>(\$1,854,556)</u>	<u>\$157,586</u>	<u>(\$2,012,142)</u>
19						
20						
21	Page 3 & 4	Adjustments: (to reflect conditions in the Data Year 2020)				
22						
23		Adjustment for year 1 revenue requirement increase				
24		Narragansett Electric Company		\$531,567	\$246,572	\$284,995
25		National Grid USA Service Company		(\$2,734)	(\$1,941)	(\$792.85)
26		All Other Companies		\$0	\$0	\$0
27						
28		TOTAL		<u>\$528,833</u>	<u>\$244,631</u>	<u>\$284,202</u>
29						
30	Page 3 & 4	Adjustments: (to reflect conditions in the Data Year 2021)				
31						
32		Adjustment for year 2 revenue requirement increase				
33		Narragansett Electric Company		\$243,335	\$74,921	\$168,414
34		National Grid USA Service Company		(\$1,058)	(\$590)	(\$468.52)
35		All Other Companies		\$0	\$0	\$0
36						
37		TOTAL		<u>\$242,277</u>	<u>\$74,332</u>	<u>\$167,945</u>

Line Notes

- 4 (b) Page 6, Line 30, Column (d)
- 4 (c) Page 7, Line 30, Column (d)
- 6 Line 4
- 16 (b) Page 6, Line 44, Column (d)
- 16 (c) Page 7, Line 44, Column (d)
- 28 (b) Schedule MAL-1-ELEC, Page 1, Line 7, Column (f)
- 28 (c) Schedule MAL-1-GAS, Page 1, Line 7, Column (f)
- 37 (b) Schedule MAL-1-ELEC, Page 2, Line 7, Column (f)
- 37 (c) Schedule MAL-1-GAS, Page 2, Line 7, Column (f)

The Narragansett Electric Company d/b/a National Grid
Adjustments To Operating Expenses
Test Year Ended June 30, 2017
Five Year Average of Uncollectibles Summary

		Electric		
Description		(a)	(b)	(c) = (b) / (a)
		Total Revenue	Net Write-Offs	% of Write-Offs Distribution Revenue
1	Year:			
2				
3	2017	\$942,004,304	\$10,482,616	1.11%
4				
5	2016	\$953,099,808	\$11,564,520	1.21%
6				
7	2015	\$1,008,035,760	\$14,432,374	1.43%
8				
9	2014	\$957,941,438	\$13,671,739	1.43%
10				
11	2013	\$835,172,255	\$11,035,934	1.32%
12				
13		\$4,696,253,565	\$61,187,182	1.30%
14				
15	Five Year Average net Write-Off Rate			1.30%
16				
17				
18				
19				Base Rate
20				Distribution Revenue
21				(d)
22	Test Year Normalized Revenue			\$317,174,745
23				
24	Current Allowed Average Write-Off Rate			1.25%
25				
26	Allowable Bad Debt Expenses			\$3,964,684
27				
28	Less: Test Year Bad Debt Expense			\$8,952,665
29				
30	Test Year Bad Debt Expense Normalizing Adjustment			(\$4,987,981)
31				
32	Total Adjusted Test Year Revenue			\$317,174,745
33				
34	Add: Pro Forma Adjustments			(\$781,261)
35				
36	Total Rate Year Revenue			\$316,393,484
37				
38	Five Year Weighted Average Of Net Write-Offs			1.30%
39				
40	Rate Year Allowable Bad Debt Expenses			\$4,122,270
41				
42	Adjusted Test Year Bad Debt Expense			\$3,964,684
43				
44	Total Pro Forma Bad Debt Expense Adjustment			\$157,586

Line Notes

13 (a)	Sum of Lines 3 through 11	30	Line 26 - Line Line 28
13 (b)	Sum of Lines 3 through 11	32	Line 22
13 (c)	Line 13, Column B / Line 13, Column (a)	34	Page 8, Line 24 + Line 32 + Line 53, Column (c)
15	Line 13, Column (c)	36	Line 32 + Line 34
22	Page 8, Line 24 + Line 32 + Line 53, Column (b)	38	Line 15, Column (c)
24	Per RIPUC Docket No. 4323	40	Line 36 x Line 38
26	Line 22 x Line 24	42	Line 26
28	Page 1, Line 4, Column (b)	44	Line 40 - Line 44

The Narragansett Electric Company d/b/a National Grid
Adjustments To Operating Expenses
Test Year Ended June 30, 2017
Five Year Average of Uncollectibles Summary

		Gas		
Description		(a)	(b)	(c)
		<u>Total Revenue</u>	<u>Net Write-Offs</u>	<u>% of Write-Offs Distribution Revenue</u>
1	Year:			
2				
3	2017	\$351,000,976	\$4,581,913	1.31%
4				
5	2016	\$328,129,033	\$6,447,486	1.96%
6				
7	2015	\$411,397,186	\$10,542,786	2.56%
8				
9	2014	\$406,386,502	\$6,980,499	1.72%
10				
11	2013	<u>\$352,646,214</u>	<u>\$9,946,453</u>	2.82%
12				
13		\$1,849,559,910	\$38,499,138	2.08%
14				
15	Five Year Average net Write-Off Rate			2.08%
16				
17				
18				Base Rate
19				<u>Distribution Revenue</u>
20				(d)
21				
22	Test Year Normalized Revenue			\$179,837,361
23				
24	Current Allowed Average Write-Off Rate			3.18%
25				
26	Allowable Bad Debt Expenses			\$5,718,828
27				
28	Less: Test Year Bad Debt Expense			\$4,025,491
29				
30	Test Year Bad Debt Expense Normalizing Adjustment			\$1,693,337
31				
32	Total Adjusted Test Year Revenue			\$179,837,361
33				
34	Add: Pro Forma Adjustments			(\$1,762,267)
35				
36	Total Rate Year Revenue			\$178,075,094
37				
38	Five Year Weighted Average Of Net Write-Offs			2.08%
39				
40	Rate Year Allowable Bad Debt Expenses			\$3,706,686
41				
42	Adjusted Test Year Bad Debt Expense			\$5,718,828
43				
44	Total Pro Forma Bad Debt Expense Adjustment			(\$2,012,142)

Line Notes

13 (a)	Sum of Lines 3 through 11	30	Line 26 - Line Line 28
13 (b)	Sum of Lines 3 through 11	32	Line 22
13 (c)	Line 13, Column B / Line 13, Column (a)	34	Page 9, Line 25, Column (d)
15	Line 13, Column (c)	36	Line 32 + Line 34
22	Page 9, Line 25, Column (c)	38	Line 15, Column (c)
24	Per RIPUC Docket No. 4323	40	Line 36 x Line 38
26	Line 22 x Line 24	42	Line 26
28	Page 1, Line 4, Column (b)	44	Line 40 - Line 44

The Narragansett Electric Company d/b/a National Grid
Adjustments To Revenue-Electric
Test Year Ended June 30, 2017
Test Year and Rate Year Billings

	Test Year Ended June 30, 2017 (a)	Adjusted Test Year June 30, 2017 (b)	Proforma Adjustment (c)	Rate Year Ending August 31, 2019 (d)
<u>Distribution Revenue</u>				
1 Customer	\$56,691,544	\$56,203,043	\$2,265,282	\$58,468,325
2 Distribution	\$181,979,904	\$184,989,411	(\$5,602,581)	\$179,386,831
3 RDM Adjutment	\$2,933,071	\$9,980,546	\$3,337,299	\$13,317,844
4 Subtotal of Annual Target Revenue	\$241,604,519	\$251,173,000	(\$0)	\$251,173,000
5				
6 Infrastructure, Safety and Reliability Capital	\$18,366,740	\$16,584,730	(\$538,335)	\$16,046,396
7 Infrastructure, Safety and Reliability Capital Adjustment	\$0	\$2,904,568	\$538,335	\$3,442,903
8 Subtotal of Infrastructure, Safety and Reliability Capital Revenue	\$18,366,740	\$19,489,298	\$0	\$19,489,298
9				
10 Base Distribution	\$259,971,259	\$270,662,298	(\$0)	\$270,662,298
11				
12				
<u>Other Distribution Revenue</u>				
14 Forfeited Discounts-Electric	\$1,657,293	\$1,657,293	\$0	\$1,657,293
15 Misc Service Revenue-Electric	\$233,788	\$1,510,311	(\$141,992)	\$1,368,319
16 Rent From Electric Property	\$3,822,134	\$2,884,893	\$0	\$2,884,893
17 Other Elec Rev-Misc	\$1,882,811	\$1,882,811	\$0	\$1,882,811
18 Other Elec Rev-IFA	\$9,680,425	\$0	\$0	\$0
19 Other Elec Rev-CIAC	\$1,197,705	\$0	\$0	\$0
20 Other Elec Rev-RISE EE Billing	\$131,920	\$0	\$0	\$0
21 M-1 Distribution Revenue	\$146,486	\$142,527	\$0	\$142,527
22 Total Other Dist Revenue	\$18,752,562	\$8,077,836	(\$141,992)	\$7,935,844
23				
24 Subtotal Distribution Revenue	\$278,723,821	\$278,740,134	(\$141,992)	\$278,598,142
25				
<u>Other Delivery Revenue with Uncollectible Recovered through Base Distribution</u>				
27 ISR O&M	\$8,360,493	\$10,281,965	(\$235,742)	\$10,046,223
28 CTC (Transition)	\$978,140	\$4,253,693	(\$93,139)	\$4,160,554
29 Pension Adjustment Factor	\$4,724,675	(\$6,340,259)	\$138,891	(\$6,201,368)
30 Storm Fund Replenishment Factor	\$0	\$21,482,289	(\$470,596)	\$21,011,693
31 Net Metering Surcharge	\$3,283,480	\$1,715,599	(\$37,582)	\$1,678,017
32 Subtotal	\$17,346,788	\$31,393,288	(\$698,168)	\$30,695,120
33				
<u>Other Delivery and Commodity Revenue with Uncollectible Recovered Outside Base Distribution</u>				
34 Standard Offer Service Admm	\$10,331,312	\$10,331,312	\$0	\$10,331,312
35 Commodity	\$269,132,978	\$269,132,978	\$0	\$269,132,978
36 Transmission	\$181,281,258	\$209,424,626	(\$4,904,102)	\$204,520,523
37 Energy Efficiency	\$78,518,199	\$83,879,844	(\$1,836,632)	\$82,043,212
38 LTCRER	\$34,690,580	\$49,528,610	(\$1,084,986)	\$48,443,625
39 RE Growth	\$2,033,798	\$7,843,670	\$271,489	\$8,115,159
40 Subtotal	\$575,988,125	\$630,141,040	(\$7,554,230)	\$622,586,810
41				
42				
<u>Gross Earnings Tax</u>				
43 GET	\$34,789,546	n/a	n/a	n/a
44				
45				
46 Total Other & GET	\$628,124,459	\$661,534,328	(\$8,252,398)	\$653,281,929
47				
48 Total Revenue	\$906,848,280	\$940,274,462	(\$8,394,390)	\$931,880,071
49				
<u>Non-Revenue Billings</u>				
50 Renewables	\$2,233,376	\$2,238,786	(\$49,020)	\$2,189,765
51 LIHEAP Enhancement	\$4,578,123	\$4,802,538	\$107,919	\$4,910,457
52 Subtotal	\$6,811,500	\$7,041,324	\$58,898	\$7,100,222
53				
54 Total Billings	\$913,659,780	\$947,315,785	(\$8,335,492)	\$938,980,293
55				

The Narragansett Electric Company d/b/a National Grid
Adjustments To Revenue-Gas
Test Year Ended June 30, 2017
Test Year and Rate Year Billings

	Test Year Ended June 30, 2017	Normalizing Adjustment	Normalized Test Year	Proforma Adjustment	Rate Year Ending August 31, 2019
Billed Base Revenue	(a)	(b)	(c)	(d)	(e)
1 Delivery	\$169,061,454	\$2,391,422	\$171,452,876	\$1,955,965	\$173,408,841
2 Environmental in Base Rates	\$1,402,848	(\$92,848)	\$1,310,000	\$0	\$1,310,000
3 Paperless Bill Credits	\$0	\$0	\$0	\$0	\$0
4 RDM Adjustment	\$1,332,052	\$0	\$1,332,052	(\$3,916,702)	(\$2,584,650)
5					
6 Sub-Total	\$171,796,354	\$2,298,574	\$174,094,928	(\$1,960,737)	\$172,134,190
7					
8 Other Dominion & Gas Lights	\$247,144	\$0	\$247,144	\$0	\$247,144
9 Non-Firm Revenue	\$2,466,036	(\$1,077,919)	\$1,388,117	\$0	\$1,388,117
10					
11 Sub-Total	\$174,509,534	\$1,220,655	\$175,730,189	(\$1,960,737)	\$173,769,452
12					
13 Rental Expense	\$248,262	\$0	\$248,262	\$0	\$248,262
14 Miscellaneous Fees	(\$1,143)	\$556,663	\$555,520	\$198,470	\$753,990
15 AFUDC/Equity	\$0	(\$23,725)	(\$23,725)	\$0	(\$23,725)
16					
17 Miscellaneous Bill Adj	(\$51,583)	\$0	(\$51,583)	\$0	(\$51,583)
18 Non Utility Billing	\$0	\$937,241	\$937,241	\$0	\$937,241
19					
20 Total	\$174,705,070	\$2,690,832	\$177,395,903	(\$1,762,267)	\$175,633,636
21					
22 Other Charges Not in Revenue	\$0	\$0	\$0	\$0	\$0
23 LIHEAP Enhancement Revenue	\$2,441,458	\$0	\$2,441,458	\$0	\$2,441,458
24					
25 Total Revenues	\$177,146,529	\$2,690,832	\$179,837,361	(\$1,762,267)	\$178,075,094

Schedule MAL-23 (REV-2)

Postage

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

	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	\$10,968	\$7,126	\$3,841	(\$600)	(\$526)	(\$73)	\$10,368	\$6,600	\$3,768
2 National Grid USA Service Company	\$3,769,462	\$2,453,825	\$1,315,636	(\$23,507)	(\$16,171)	(\$7,337)	\$3,745,955	\$2,437,655	\$1,308,300
3 All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$3,780,429</u>	<u>\$2,460,952</u>	<u>\$1,319,478</u>	<u>(\$24,107)</u>	<u>(\$16,697)</u>	<u>(\$7,410)</u>	<u>\$3,756,323</u>	<u>\$2,444,255</u>	<u>\$1,312,068</u>
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.	\$74	\$0	\$74	\$0	\$0	\$0	\$74	\$0	\$74
12 Transmission Expenses	\$1,037	\$1,037	\$0	(\$1,037)	(\$1,037)	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$8,941	\$5,714	\$3,228	\$0	\$0	\$0	\$8,941	\$5,714	\$3,228
15 Customer Accounts Expenses	\$3,748,165	\$2,439,497	\$1,308,668	(\$21,103)	(\$13,749)	(\$7,354)	\$3,727,062	\$2,425,748	\$1,301,314
16 Customer Service and 17 Informational Expenses	\$487	\$192	\$295	\$0	\$0	\$0	\$487	\$192	\$295
18 Sales Expenses	\$52	\$34	\$18	\$0	\$0	\$0	\$52	\$34	\$18
19 Administrative & General Expenses	\$20,654	\$13,959	\$6,696	(\$1,914)	(\$1,908)	(\$6)	\$18,740	\$12,051	\$6,689
20 Sub Total	<u>\$3,779,411</u>	<u>\$2,460,433</u>	<u>\$1,318,978</u>	<u>(\$24,054)</u>	<u>(\$16,694)</u>	<u>(\$7,360)</u>	<u>\$3,755,357</u>	<u>\$2,443,739</u>	<u>\$1,311,618</u>
22 Maintenance:									
23 Transmission Expenses	\$53	\$53	\$0	(\$53)	(\$53)	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$966	\$466	\$500	\$0	\$50	(\$50)	\$966	\$516	\$450
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$1,019</u>	<u>\$518</u>	<u>\$500</u>	<u>(\$53)</u>	<u>(\$3)</u>	<u>(\$50)</u>	<u>\$966</u>	<u>\$516</u>	<u>\$450</u>
27									
28 TOTAL	<u>\$3,780,429</u>	<u>\$2,460,952</u>	<u>\$1,319,478</u>	<u>(\$24,107)</u>	<u>(\$16,697)</u>	<u>(\$7,410)</u>	<u>\$3,756,323</u>	<u>\$2,444,255</u>	<u>\$1,312,068</u>
	\$0	\$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
Postage

		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	\$10,368	\$6,600	\$3,768	\$480	\$306	\$174	\$10,848	\$6,905	\$3,943
2	National Grid USA Service Company	\$3,745,955	\$2,437,655	\$1,308,300	\$173,438	\$112,863	\$60,574	\$3,919,392	\$2,550,518	\$1,368,874
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$3,756,323	\$2,444,255	\$1,312,068	\$173,918	\$113,169	\$60,749	\$3,930,240	\$2,557,424	\$1,372,817
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.	\$74	\$0	\$74	\$3	\$0	\$3	\$78	\$0	\$78
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	\$8,941	\$5,714	\$3,228	\$414	\$265	\$149	\$9,355	\$5,978	\$3,377
15	Customer Accounts Expenses	\$3,727,062	\$2,425,748	\$1,301,314	\$172,563	\$112,312	\$60,251	\$3,899,625	\$2,538,060	\$1,361,565
16	Customer Service and Informational Expenses	\$487	\$192	\$295	\$23	\$9	\$14	\$509	\$201	\$308
17										
18	Sales Expenses	\$52	\$34	\$18	\$2	\$2	\$1	\$54	\$36	\$18
19	Administrative & General Expenses	\$18,740	\$12,051	\$6,689	\$868	\$558	\$310	\$19,608	\$12,609	\$6,999
20	Sub Total	\$3,755,357	\$2,443,739	\$1,311,618	\$173,873	\$113,145	\$60,728	\$3,929,230	\$2,556,884	\$1,372,346
21										
22	Maintenance:									
23	Transmission Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Distribution Expenses	\$966	\$516	\$450	\$45	\$24	\$21	\$1,011	\$540	\$471
25	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Sub Total	\$966	\$516	\$450	\$45	\$24	\$21	\$1,011	\$540	\$471
27										
28	TOTAL	\$3,756,323	\$2,444,255	\$1,312,068	\$173,918	\$113,169	\$60,749	\$3,930,240	\$2,557,424	\$1,372,817
		\$0	\$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
Postage

	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	\$6,905	\$184	\$7,089	\$172	\$7,261
2 National Grid USA Service Company	\$2,550,518	\$67,844	\$2,618,362	\$63,626	\$2,681,988
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$2,557,424</u>	<u>\$68,027</u>	<u>\$2,625,451</u>	<u>\$63,798</u>	<u>\$2,689,250</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, 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	\$5,978	\$159	\$6,137	\$149	\$6,286
15 Customer Accounts Expenses	\$2,538,060	\$67,512	\$2,605,572	\$63,315	\$2,668,888
16 Customer Service and 17 Informational Expenses	\$201	\$5	\$206	\$5	\$212
18 Sales Expenses	\$36	\$1	\$37	\$1	\$38
19 Administrative & General Expenses	\$12,609	\$335	\$12,944	\$315	\$13,259
20 Sub Total	<u>\$2,556,884</u>	<u>\$68,013</u>	<u>\$2,624,897</u>	<u>\$63,785</u>	<u>\$2,688,682</u>
21					
Maintenance:					
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$540	\$14	\$554	\$13	\$568
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$540</u>	<u>\$14</u>	<u>\$554</u>	<u>\$13</u>	<u>\$568</u>
27					
28 TOTAL	<u>\$2,557,424</u>	<u>\$68,027</u>	<u>\$2,625,451</u>	<u>\$63,798</u>	<u>\$2,689,250</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
Postage

	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	\$3,943	\$105	\$4,047	\$98	\$4,146
2 National Grid USA Service Company	\$1,368,874	\$36,412	\$1,405,286	\$34,148	\$1,439,435
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$1,372,817</u>	<u>\$36,517</u>	<u>\$1,409,334</u>	<u>\$34,247</u>	<u>\$1,443,580</u>
5					
6					
Operation:					
8 Production Expenses	\$0	\$0	\$0	\$0	\$0
9 Power Production Expenses	\$0	\$0	\$0	\$0	\$0
10 Natural Gas Storage, Terminaling and Processing Exp.	\$78	\$2	\$80	\$2	\$82
12 Transmission Expenses	\$0	\$0	\$0	\$0	\$0
13 Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
14 Distribution Expenses	\$3,377	\$90	\$3,467	\$84	\$3,551
15 Customer Accounts Expenses	\$1,361,565	\$36,218	\$1,397,783	\$33,966	\$1,431,749
16 Customer Service and Informational Expenses	\$308	\$8	\$316	\$8	\$324
18 Sales Expenses	\$18	\$0	\$19	\$0	\$19
19 Administrative & General Expenses	\$6,999	\$186	\$7,185	\$175	\$7,360
20 Sub Total	<u>\$1,372,346</u>	<u>\$36,504</u>	<u>\$1,408,850</u>	<u>\$34,235</u>	<u>\$1,443,085</u>
21					
Maintenance:					
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$471	\$13	\$483	\$12	\$495
25 Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
26 Sub Total	<u>\$471</u>	<u>\$13</u>	<u>\$483</u>	<u>\$12</u>	<u>\$495</u>
27					
28 TOTAL	<u>\$1,372,817</u>	<u>\$36,517</u>	<u>\$1,409,334</u>	<u>\$34,247</u>	<u>\$1,443,580</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
Postage

	Explanation of Adjustments	Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1	Page 1	Adjustments: (to normalize Historic Year)					
2		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	Workpaper MAL-1	(\$541)	(\$541)	\$0
3		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	Workpaper MAL-1	(\$2,455)	(\$2,455)	\$0
4		(IFA) Integrated Facilities Agreement	All Other Companies	Workpaper MAL-1	\$0	\$0	\$0
5		Segment Reclassification	Narragansett Electric Company		\$0	\$50	(\$50)
6		Segment Reclassification	National Grid USA Service Company		(\$0)	\$6	(\$6)
7		Segment Reclassification	All Other Companies		\$0	\$0	\$0
8		Postal rate change	Narragansett Electric Company		(\$51)	(\$28)	(\$23)
9		Postal rate change	National Grid USA Service Company		(\$21,052)	(\$13,721)	(\$7,331)
10		Postal rate change	National Grid USA Service Company		\$0	\$0	\$0
11		Parent Company Funding Initiatives	Narragansett Electric Company		(\$7)	(\$7)	\$0
12		Total			<u>(\$24,107)</u>	<u>(\$16,697)</u>	<u>(\$7,410)</u>
13							
14	Page 2	Adjustments: (to reflect conditions in the Rate Year 2019)					
15							
16		General Inflation%					
17			4.63% Narragansett Electric Company		\$480	\$306	\$174
18			National Grid USA Service Company		\$173,438	\$112,863	\$60,574
19			All Other Companies		\$0	\$0	\$0
20		TOTAL			<u>\$173,918</u>	<u>\$113,169</u>	<u>\$60,749</u>
21							
22	Page 3 & 4	Adjustments: (to reflect conditions in the Data Year 2020)					
23		General inflation %					
24			2.66% Narragansett Electric Company		\$289	\$184	\$105
25			National Grid USA Service Company		\$104,256	\$67,844	\$36,412
26			All Other Companies		\$0	\$0	\$0
27		TOTAL			<u>\$104,544</u>	<u>\$68,027</u>	<u>\$36,517</u>
28							
29	Page 3 & 4	Adjustments: (to reflect conditions in the Data Year 2021)					
30		General inflation %					
31			2.43% Narragansett Electric Company		\$271	\$172	\$98
32			National Grid USA Service Company		\$97,775	\$63,626	\$34,148
33			All Other Companies		\$0	\$0	\$0
34		TOTAL			<u>\$98,045</u>	<u>\$63,798</u>	<u>\$34,247</u>

Line Notes

- 12 Sum of Lines 1 through 5
- 17 (b) Page 2, Line 1, Column (b) x Schedule MAL-3, Page 8
- 17 (c) Page 2, Line 1, Column (c) x Schedule MAL-3, Page 8
- 18 (b) Page 2, Line 2, Column (b) x Schedule MAL-3, Page 8
- 18 (c) Page 2, Line 2, Column (c) x Schedule MAL-3, Page 8
- 20 Sum of Lines 17 through 19
- 24 (b) Page 3, Line 1, Column (a) x Schedule MAL-3, Page 8
- 24 (c) Page 4, Line 1, Column (a) x Schedule MAL-3, Page 8
- 25 (b) Page 3, Line 2, Column (a) x Schedule MAL-3, Page 8
- 25 (c) Page 4, Line 2, Column (a) x Schedule MAL-3, Page 8
- 27 Sum of Lines 24 through 26
- 31 (b) Page 3, Line 1, Column (c) x Schedule MAL-3, Page 8
- 31 (c) Page 4, Line 1, Column (c) x Schedule MAL-3, Page 8
- 32 (b) Page 3, Line 1, Column (c) x Schedule MAL-3, Page 8
- 32 (c) Page 4, Line 1, Column (c) x Schedule MAL-3, Page 8
- 34 Sum of Lines 31 through 33

OUR NETWORK GET INVOLVED FIND HELP

 Alliance of Nonprofit Mailers

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USPS Announces Pricing Changes For 2017

Alerts

The USPS has released the following Industry Alert, announcing the pricing changes for 2017 filed with the PRC today.

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FACEDBOOK
TWITTER
LINKDIN



Postal Service Announces 2017 Mailing Services Prices

Single Price for Commercial Letters up to 3.5 ounces, Adjusts FSS Pricing; Allows Extra Weight for Standard Flats

WASHINGTON — The United States Postal Service today filed notice with the Postal Regulatory Commission (PRC) of price changes for Mailing Services products planning to take effect in January 2017. The proposal includes a two cent increase in the price of a First-Class Mail Forever stamp, returning the price to 49 cents, which was the price of a Forever stamp before the Postal Service was required to remove the exigent surcharge by the PRC. The new prices, if approved, include a single price for First-Class Mail commercial presort letters weighing up to 3.5 ounces and a reduction in the one ounce meter price to 46 cents. This pricing strategy is designed to keep bills and statements in the mail by continuing to add value to commercial First-Class Mail.

Standard Mail is being rebranded as USPS Marketing Mail to better align the product name with our customer's use of this mail class. Proposed changes in Marketing Mail include removing the Flats Sequencing System (FSS) pricing which was of concern to mailers. This change will ensure that mailers pay for flats based on their volume density instead of the equipment flats are processed on. In addition, other changes include increasing the piece

pound breakpoint from 3.3 to 4.0 ounces for Marketing Mail Flats and Parcel shaped pieces to encourage mailers to include more content, which will lead to more sales for mailers and support volume growth.

Some examples of new prices as follows:

	Exigent Price	Current Price	Proposed Price	% Change
				(Current to Proposed)
First-Class Letters				
Meters	\$0.485	\$0.465	\$0.460	-1.1%
Auto AADC	\$0.416	\$0.399	\$0.403	1.0%
Auto 5-D	\$0.391	\$0.376	\$0.373	-0.8%
Marketing Mail Letters				
Auto 5-D DSCF	\$0.221	\$0.211	\$0.217	2.8%
Saturation DSCF	\$0.157	\$0.151	\$0.155	2.7%
Flats – Piece Rated				
Auto 5-D DSCF	\$0.348	\$0.333	\$0.335	0.6%
CR Basic DSCF	\$0.256	\$0.245	\$0.252	2.9%
CR/CR Pallet DSCF	\$0.251	\$0.240	\$0.232	-3.3%
CR/CR Pallet DDU	\$0.243	\$0.233	\$0.221	-5.2%

The last time Single Piece First-Class prices increased was in January 2014. Today's price change filing does not include any price change for Postcards, for letters being mailed to international destinations or for additional ounces for Single Piece Letters. Stamp prices have stayed consistent with the average annual rate of inflation since the Postal Service was formed in 1971. In addition, the incentive for Full-Service IMB remains the same at three tenths of a cent for First-Class and one tenth of a cent for Marketing Mail and Periodicals. The PRC will review the prices before they are scheduled to take effect on January 22, 2017.

Pricing for Periodicals, Package Services and Extra Services will also be adjusted next year and can be found at <http://www.prc.gov/docs/97/97431/NOTICE-FINAL.pdf>. Today's filing does not affect Postal Service Shipping products and services.

The Postal Service receives no tax dollars for operating expenses and relies on the sale of postage, products and services to fund its operations.

We will be providing members with information regarding the impact on nonprofit rates as soon as possible.

Schedule MAL-24 (REV-2)

Strike Contingency

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Strike Contingency Costs

	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	\$8,019	\$8,019	\$0	\$0	\$0	\$0	\$8,019	\$8,019	\$0
2	National Grid USA Service Company	\$175	\$175	\$0	\$0	\$0	\$0	\$175	\$175	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$8,194	\$8,194	\$0	\$0	\$0	\$0	\$8,194	\$8,194	\$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	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	\$8,194	\$8,194	\$0	\$0	\$0	\$0	\$8,194	\$8,194	\$0
18	Sub Total	\$8,194	\$8,194	\$0	\$0	\$0	\$0	\$8,194	\$8,194	\$0
19										
20										
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	\$8,194	\$8,194	\$0	\$0	\$0	\$0	\$8,194	\$8,194	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) (b) + (c)
- (b) Per Company Books
- (c) Per Company Books
- (d) (e) + (f)
- (g) (h) + (i)
- (h) (b) + (e)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Strike Contingency Costs

	Test Year Ended June 30, 2017			Proforma Adjustments			Rate Year Ending August 31, 2019			
	(as Adjusted)			Total	Electric	Gas	Total	Electric	Gas	
	Total (a) = (b) + (c)	Electric (b)	Gas (c)							(d) = (e) + (f)
Provider Company:										
1	Narragansett Electric Company	\$8,019	\$8,019	\$0	\$371	\$371	\$0	\$8,390	\$8,390	\$0
2	National Grid USA Service Company	\$175	\$175	\$0	\$8	\$8	\$0	\$183	\$183	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$8,194	\$8,194	\$0	\$379	\$379	\$0	\$8,573	\$8,573	\$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, Terminaling 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	\$8,194	\$8,194	\$0	\$379	\$379	\$0	\$8,573	\$8,573	\$0
20	Sub Total	\$8,194	\$8,194	\$0	\$379	\$379	\$0	\$8,573	\$8,573	\$0
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	\$8,194	\$8,194	\$0	\$379	\$379	\$0	\$8,573	\$8,573	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 1, Column (g)
- (b) Page 1, Column (h)
- (d) (e) + (f)
- (e) Page 5, Line 26
- (g) (h) + (i)
- (h) (b) + (e)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Strike Contingency Costs

	Rate Year Ending August 31, 2019 Electric (a)	Adjustments to Reflect Conditions in Data Year Electric (b)	Data Year 1 Ending August 31, 2020 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	\$8,390	\$223	\$8,614	\$209	\$8,823
2 National Grid USA Service Company	\$183	\$5	\$188	\$5	\$192
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$8,573</u>	<u>\$228</u>	<u>\$8,801</u>	<u>\$214</u>	<u>\$9,015</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 Storang, 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	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	<u>\$8,573</u>	<u>\$228</u>	<u>\$8,801</u>	<u>\$214</u>	<u>\$9,015</u>
20 Sub Total	<u>\$8,573</u>	<u>\$228</u>	<u>\$8,801</u>	<u>\$214</u>	<u>\$9,015</u>
21					
22 Maintenance:					
23 Transmission Expenses	\$0	\$0	\$0	\$0	\$0
24 Distribution Expenses	\$0	\$0	\$0	\$0	\$0
25 Administrative & General Expenses	<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>
27					
28 TOTAL	<u>\$8,573</u>	<u>\$228</u>	<u>\$8,801</u>	<u>\$214</u>	<u>\$9,015</u>
	\$0	\$0	\$0	\$0	\$0

Column Notes

- (a) Page 2, Column (h)
- (b) Page 5, Line 37
- (c) (a) + (b)
- (d) Page 5, Line 48
- (e) (c) + (d)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Strike Contingency Costs

	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 Storing, 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
Strike Contingency Costs

	<u>Provider Company</u>	<u>Source Workpaper</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
			(a) = (b) + (c)	(b)	(c)
Explanation of Adjustments:					
1	Page 1	Adjustments: (to normalize Historic Year)			
2			\$0	\$0	\$0
3			\$0	\$0	\$0
4					
5			\$0	\$0	\$0
6			\$0	\$0	\$0
7			\$0	\$0	\$0
8			\$0	\$0	\$0
9		TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
10					
11					
12					
13					
14					
15					
16	Page 2	Adjustments: (to reflect conditions in the Rate Year 2019)			
17					
18					
19		General inflation %			
20		4.63% Narragansett Electric Company	\$371	\$371	\$0
21		National Grid USA Service Company	\$8	\$8	\$0
22		All Other Companies	\$0	\$0	\$0
23			\$0	\$0	\$0
24			\$0	\$0	\$0
25			\$0	\$0	\$0
26		TOTAL	<u>\$379</u>	<u>\$379</u>	<u>\$0</u>
27					
28	Page 3	Adjustments: (to reflect conditions in the Data Year 2020)			
29					
30					
31		General inflation %			
32		2.66% Narragansett Electric Company	\$223	\$223	\$0
33		National Grid USA Service Company	\$5	\$5	0
34		All Other Companies	\$0	\$0	0
35					
36					
37		TOTAL	<u>\$228</u>	<u>\$228</u>	<u>\$0</u>
38					
39	Page 3	Adjustments: (to reflect conditions in the Data Year 2021)			
40					
41					
42		General inflation %			
43		2.43% Narragansett Electric Company	\$209	\$209	\$0
44		National Grid USA Service Company	\$5	\$5	\$0
45		All Other Companies	\$0	\$0	\$0
46					
47					
48		TOTAL	<u>\$214</u>	<u>\$214</u>	<u>\$0</u>

Line Notes

20 Schedule MAL-3, Page 8
32 Schedule MAL-3, Page 8
43 Schedule MAL-3, Page 8

Schedule MAL-25 (REV-2)
Environmental Response Fund

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Environmental Response Fund

	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	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$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>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>
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, Terminaling 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	\$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	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>
20 Sub Total	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>
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	<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>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$3,078,000</u>	<u>\$0</u>
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 Per RIPUC Docket No. 2930
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Environmental Response Fund

	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	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$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	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
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, Terminaling	\$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	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
20	Sub Total	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
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	\$3,078,000	\$3,078,000	\$0	\$0	\$0	\$3,078,000	\$3,078,000	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 Per RIPUC Docket No. 2930
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Environmental Response Fund

	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	\$3,078,000	\$0	\$3,078,000	\$0	\$3,078,000
2 National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3 All Other Companies	\$0	\$0	\$0	\$0	\$0
4 Total	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</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 11 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 17 Informational Expenses	\$0	\$0	\$0	\$0	\$0
18 Sales Expenses	\$0	\$0	\$0	\$0	\$0
19 Administrative & General Expenses	\$3,078,000	\$0	\$3,078,000	\$0	\$3,078,000
20 Sub Total	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</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>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</u>	<u>\$0</u>	<u>\$3,078,000</u>
	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 Per RIPUC Docket No. 2930
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Environmental Response Fund

	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, 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

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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Environmental Response Fund

	Explanation of Adjustments	Provider Company	Source Workpaper	Total	Electric	Gas
				(a) = (b) + (c)	(b)	(c)
1	Page 1		Adjustments: (to normalize Historic Year)			
2		Narragansett Electric Company		\$0	\$0	\$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						
9		TOTAL		<u>\$0</u>	<u>\$0</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 Company	\$0	\$0	\$0
18			All Other Companies			
19	Forecast specific initiatives - amount different from general inflation					
20						
21		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Schedule MAL-26 (REV-2)

Paperless Bill Credit

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Paperless Bill Credit

	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	\$0	\$0	\$0	\$816,516	\$551,281	\$265,235	\$816,516	\$551,281	\$265,235
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	\$816,516	\$551,281	\$265,235	\$816,516	\$551,281	\$265,235
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	\$816,516	\$551,281	\$265,235	\$816,516	\$551,281	\$265,235
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	\$0	\$0	\$0	\$816,516	\$551,281	\$265,235	\$816,516	\$551,281	\$265,235
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	\$816,516	\$551,281	\$265,235	\$816,516	\$551,281	\$265,235
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (e) Page 5, Line 3, Column (b)
- 1 (f) Page 5, Line 3, Column (c)
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Paperless Bill Credit

		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
		(a) = (b) + (c)	(b)	(c)	(d) = (e) + (f)	(e)	(f)	(g) = (h) + (i)	(h) = (b) + (c)	(i) = (c) + (f)
Provider Company:										
1	Narragansett Electric Company	\$816,516	\$551,281	\$265,235	\$0	\$0	\$0	\$816,516	\$551,281	\$265,235
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>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</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	\$816,516	\$551,281	\$265,235	\$0	\$0	\$0	\$816,516	\$551,281	\$265,235
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>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</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>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</u>
		\$0	\$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 26									

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Paperless Bill 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	
	Electric	Electric	Electric	Electric	Electric	
	(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$551,281	\$0	\$551,281	\$0	\$551,281
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	\$551,281	\$0	\$551,281	\$0	\$551,281
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	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$551,281	\$0	\$551,281	\$0	\$551,281
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$551,281	\$0	\$551,281	\$0	\$551,281
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	\$551,281	\$0	\$551,281	\$0	\$551,281
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (b) Page 5, Line 22, Column (b)
- 1 (d) Page 5, Line 31, Column (b)
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Paperless Bill 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	\$265,235	\$0	\$265,235	\$0	\$265,235
2	National Grid USA Service Company	\$0	\$0	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0
4	Total	\$265,235	\$0	\$265,235	\$0	\$265,235
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	\$0	\$0	\$0	\$0	\$0
15	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
16	Customer Service and	\$265,235	\$0	\$265,235	\$0	\$265,235
17	Informational Expenses					
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$0	\$0	\$0	\$0	\$0
20	Sub Total	\$265,235	\$0	\$265,235	\$0	\$265,235
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	\$265,235	\$0	\$265,235	\$0	\$265,235
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1 (b) Page 5, Line 22, Column (c)
- 1 (d) Page 5, Line 31, Column (c)
- 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 26

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Paperless Bill Credit

	Explanation of Adjustments	Workpaper Reference	Total (a) = (b) + (c)	Electric (b)	Gas (c)
1	Page 1	Adjustments: (to normalize Historic Year)			
2					
3		Narragansett Electric Company	\$816,516	\$551,281	\$265,235
4		National Grid USA Service Company			
5		All Other Companies			
6					
7		All Other Companies			
8		TOTAL	<u>\$816,516</u>	<u>\$551,281</u>	<u>\$265,235</u>
9					
10					
11	Page 2	Adjustments: (to reflect conditions in the Rate Year)			
12		General inflation %			
13					
14		4.63% Narragansett Electric Company	\$0	\$0	\$0
15		National Grid USA Service Co.	\$0	\$0	\$0
16		All Other Companies	\$0	\$0	\$0
17		Forecast specific initiatives - amount different from general inflation			
18		TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
19	Page 3	Adjustments: (to reflect conditions in the Data Year 2020)			
20		General inflation %			
21					
22		2.66% Narragansett Electric Company	\$0	\$0	\$0
23		National Grid USA Service Co.	\$0	\$0	\$0
24		All Other Companies	\$0	\$0	\$0
25		Forecast specific initiatives - amount different from general inflation			
26		TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
27					
28	Page 4	Adjustments: (to reflect conditions in the Data Year 2021)			
29		General inflation %			
30					
31		2.43% Narragansett Electric Company	\$0	\$0	\$0
32		National Grid USA Service Co.	\$0	\$0	\$0
33		All Other Companies	\$0	\$0	\$0
34		Forecast specific initiatives - amount different from general inflation			
35		TOTAL	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Line Notes

- 3 (b) Page 6, Line 9
- 3 (c) Page 6, Line 10
- 8 Sum of Lines 1 through 5
- 14 (b) Page 2, Line 1, Column (b) x Schedule MAL-3, Page 8
- 14 (c) Page 2, Line 1, Column (c) x Schedule MAL-3, Page 8
- 18 Sum of Lines 14 through 16
- 22 (b) Page 3, Line 1, Column (a) x Schedule MAL-3, Page 8
- 22 (c) Page 4, Line 1, Column (a) x Schedule MAL-3, Page 8
- 26 Sum of Lines 22 through 24
- 31 (b) Page 3, Line 1, Column (c) x Schedule MAL-3, Page 8
- 31 (c) Page 4, Line 1, Column (c) x Schedule MAL-3, Page 8
- 35 Sum of Lines 31 through 33

The Narragansett Electric Company d/b/a National Grid
Paperless Billing Adjustment
Paper Billing and Electronic Billing Costs for Historic Test Year ending 06/30/2017

1	Proposed Paperless Bill Credit	\$0.37
2		
3		
4	Test Year Volume of Electric Electronic Bills	1,489,949
5	Test Year Volume of Gas Electronic Bills	716,851
6	Test Year Volume of Electronic Bills	2,206,800
7		
8		
9	Adjustment to Electric Revenue Requirement for Implementing Paperless Bill Credit	\$551,281
10	Adjustment to Gas Revenue Requirement for Implementing Paperless Bill Credit	\$265,235

Line Notes

- 1 Page 7, Line 17, Column (m)
- 4 Per Billing System
- 5 Per Billing System
- 6 Line 4 + Line 5
- 9 Line 1 x Line 4
- 10 Line 1 x Line 5

The Narragansett Electric Company d/b/a National Grid - Electric & Gas
Paper Billing and Electronic Billing Costs for Historic Test Year ending 06/30/2017

	Jul-2016 (a)	Aug-2016 (b)	Sep-2016 (c)	Oct-2016 (d)	Nov-2016 (e)	Dec-2016 (f)	Jan-2017 (g)	Feb-2017 (h)	Mar-2017 (i)	Apr-2017 (j)	May-2017 (k)	Jun-2017 (l)	Total (m)
<u>Paper Bill Costs:</u>													
1	\$8,099	\$8,184	\$8,229	\$8,192	\$8,175	\$8,246	\$8,049	\$8,419	\$8,388	\$8,459	\$9,147	\$10,966	\$102,552
2	\$12,639	\$12,763	\$12,830	\$12,616	\$12,392	\$12,412	\$12,087	\$12,680	\$12,601	\$12,723	\$12,217	\$12,481	\$150,442
3	\$230,109	\$237,506	\$233,089	\$229,867	\$230,845	\$225,876	\$229,542	\$230,061	\$228,359	\$230,532	\$221,564	\$227,048	\$2,754,397
4	\$17,123	\$17,302	\$17,397	\$17,320	\$17,283	\$17,433	\$17,017	\$17,798	\$17,733	\$17,883	\$19,339	\$23,183	\$216,813
5	\$8,865	\$8,952	\$8,999	\$8,849	\$8,692	\$8,706	\$8,478	\$8,893	\$8,838	\$8,923	\$8,569	\$8,754	\$105,518
6	\$1,398	\$2,122	\$1,743	\$7,280	\$2,092	\$1,609	\$1,288	\$2,184	\$2,309	\$1,962	\$2,385	\$2,351	\$28,723
7	\$278,234	\$286,829	\$282,286	\$284,125	\$279,478	\$274,283	\$276,460	\$280,035	\$278,228	\$280,482	\$273,221	\$284,784	\$3,358,445
8	603,061	608,990	612,144	601,975	591,262	592,235	576,724	604,985	601,252	607,036	582,909	595,528	7,178,101
9													\$0.47
<u>Electronic Bill Costs</u>													
10	\$3,764	\$3,805	\$3,851	\$3,907	\$3,956	\$3,989	\$4,048	\$4,082	\$4,131	\$4,167	\$4,155	\$4,163	\$48,019
11	\$3,441	\$3,464	\$3,507	\$3,201	\$3,134	\$3,505	\$3,197	\$3,123	\$3,468	\$3,138	\$3,273	\$3,480	\$39,732
12	\$8,097	\$13,039	\$8,103	\$7,733	\$7,422	\$8,252	\$9,071	\$7,637	\$8,171	\$8,797	\$8,086	\$14,452	\$108,859
13	\$1,316	\$1,184	\$1,122	\$1,108	\$1,015	\$1,204	\$846	\$791	\$1,015	\$818	\$844	\$892	\$12,153
14	\$16,618	\$21,493	\$16,383	\$15,948	\$15,526	\$16,950	\$17,162	\$15,633	\$16,785	\$16,920	\$16,357	\$22,988	\$208,762
15	171,096	172,953	175,059	177,593	179,804	181,306	183,997	185,550	187,779	189,427	188,874	189,243	2,182,681
16													\$0.10
17													\$0.37

*Other Costs include: Presort Fees (Bills only), Reports, SHU(Manual processing), tax and Tier 2 Volume Pricing Credit
**Cost includes a 12 month estimate.

- 1 - 6 Costs of producing a paper bill
- 7 Sum of Lines 1 through 6
- 8 Monthly paper bill volume
- 9 Line 7 ÷ Line 8
- 10 Fees paid for anything pertaining to the on-line access to customer bills.
- 11 Represents the payment to FISERV to facilitate electronic payment
- 12 Represents the payment to Striatra to facilitate electronic payment
- 13 Represents estimated payment to DOXO to facilitate electronic payment
- 14 Sum of Lines 10 through 13
- 15 Monthly Electronic Bill Volumes
- 16 Line 14 ÷ Line 15
- 17 Line 9 - Line 16

Schedule MAL-27 (REV-2)

Post-Retirement Benefits Other than Pension

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

	Test Year Ended June 30, 2017			Normalizing Adjustments			Test Year Ended June 30, 2017			
	(Per Books)			(as Adjusted)			(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	\$4,555,289	\$3,098,970	\$1,456,319	(\$423,319)	(\$423,319)	\$0	\$4,131,970	\$2,675,651	\$1,456,319
2	National Grid USA Service Company	\$3,133,185	\$2,163,854	\$969,332	(\$295,582)	(\$295,582)	\$0	\$2,837,603	\$1,868,271	\$969,332
3	All Other Companies	\$225,604	\$158,760	\$66,844	(\$21,687)	(\$21,687)	\$0	\$203,917	\$137,073	\$66,844
4	Total	<u>\$7,914,078</u>	<u>\$5,421,584</u>	<u>\$2,492,494</u>	<u>(\$740,588)</u>	<u>(\$740,588)</u>	<u>\$0</u>	<u>\$7,173,490</u>	<u>\$4,680,995</u>	<u>\$2,492,494</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 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	\$7,914,078	\$5,421,584	\$2,492,494	(\$740,588)	(\$740,588)	\$0	\$7,173,490	\$4,680,995	\$2,492,494
18	Sub Total	<u>\$7,914,078</u>	<u>\$5,421,584</u>	<u>\$2,492,494</u>	<u>(\$740,588)</u>	<u>(\$740,588)</u>	<u>\$0</u>	<u>\$7,173,490</u>	<u>\$4,680,995</u>	<u>\$2,492,494</u>
19										
20										
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>\$7,914,078</u>	<u>\$5,421,584</u>	<u>\$2,492,494</u>	<u>(\$740,588)</u>	<u>(\$740,588)</u>	<u>\$0</u>	<u>\$7,173,490</u>	<u>\$4,680,995</u>	<u>\$2,492,494</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes
1(b) Per Company Books
1(c) Per Company Books
1(e) Page 5, Line 2(b)
2(e) Page 5, Line 3(b)
3(e) Page 5, Line 4(b)
19(a) - (i) Line 4(a) - (i)
28(a) - (i) Line 20(a) - (i)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

	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)							Total (g) = (h) + (i)
Provider Company:										
1	Narragansett Electric Company	\$4,131,970	\$2,675,651	\$1,456,319	(\$2,250,630)	\$1,061,923	(\$3,312,553)	\$1,881,339	\$3,737,573	(\$1,856,234)
2	National Grid USA Service Company	\$2,837,603	\$1,868,271	\$969,332	(\$1,315,443)	(\$911,146)	(\$404,297)	\$1,522,159	\$957,125	\$565,035
3	All Other Companies	\$203,917	\$137,073	\$66,844	\$0	\$0	\$0	\$203,917	\$137,073	\$66,844
4	Total	\$7,173,490	\$4,680,995	\$2,492,494	(\$3,566,074)	\$150,776	(\$3,716,850)	\$3,607,416	\$4,831,771	(\$1,224,355)
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	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	\$7,173,490	\$4,680,995	\$2,492,494	(\$3,566,074)	\$150,776	(\$3,716,850)	\$3,607,416	\$4,831,771	(\$1,224,355)
18	Sub Total	\$7,173,490	\$4,680,995	\$2,492,494	(\$3,566,074)	\$150,776	(\$3,716,850)	\$3,607,416	\$4,831,771	(\$1,224,355)
19										
20										
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	\$7,173,490	\$4,680,995	\$2,492,494	(\$3,566,074)	\$150,776	(\$3,716,850)	\$3,607,416	\$4,831,771	(\$1,224,355)
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(b) Page 1, Line 1(h)
- 2(b) Page 1, Line 2(h)
- 3(b) Page 1, Line 3(h)
- 1(c) Page 1, Line 1(i)
- 2(c) Page 1, Line 2(i)
- 3(c) Page 1, Line 3(i)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

	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	\$3,737,573	\$0	\$3,737,573	\$0	\$3,737,573
2	National Grid USA Service Company	\$957,125	\$0	\$957,125	\$0	\$957,125
3	All Other Companies	<u>\$137,073</u>	<u>\$0</u>	<u>\$137,073</u>	<u>\$0</u>	<u>\$137,073</u>
4	Total	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></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 and Processing Exp.	\$0	\$0	\$0	\$0	\$0
11	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
12	Regional Market Expenses	\$0	\$0	\$0	\$0	\$0
13	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
14	Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0
15	Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0
16	Sales Expenses	\$0	\$0	\$0	\$0	\$0
17	Administrative & General Expenses	<u>\$4,831,771</u>	<u>\$0</u>	<u>\$4,831,771</u>	<u>\$0</u>	<u>\$4,831,771</u>
18	Sub Total	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></u>
19						
20						
21	Maintenance:					
22	Transmission Expenses	\$0	\$0	\$0	\$0	\$0
23	Distribution Expenses	\$0	\$0	\$0	\$0	\$0
24	Administrative & General Expenses	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
25	Sub Total	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>
26						
27						
28	TOTAL	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></u>	<u><u>\$0</u></u>	<u><u>\$4,831,771</u></u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Page 2, Line 1(h)
- 2(a) Page 2, Line 2(h)
- 3(a) Page 2, Line 3(h)
- 4(a) Sum of Lines 1-3
- 19(a) - (e) Line 4(a)
- 28(a) - (e) Line 20(a)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

	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	(\$1,856,234)	\$0	(\$1,856,234)	\$0	(\$1,856,234)
2	National Grid USA Service Company	\$565,035	\$0	\$565,035	\$0	\$565,035
3	All Other Companies	\$66,844	\$0	\$66,844	\$0	\$66,844
4	Total	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</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, 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	\$0	\$0	\$0	\$0	\$0
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>
20	Sub Total	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</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>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>	<u>\$0</u>	<u>(\$1,224,355)</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Page 2, Line 1(i)
- 2(a) Page 2, Line 2(i)
- 3(a) Page 2, Line 3(i)
- 4(a) Sum of Lines 1-3
- 19(a) - (e) Line 4(a)
- 28(a) - (e) Line 20(a)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

Explanation of Adjustments:		Provider Company	Source Workpaper	Total (a) = (b) + (c)	Electric (b)	Gas (c)	
1							
2	Page 1	Adjustments: (to normalize Historic Year)					
3		(IFA) Integrated Facilities Agreement	Narragansett Electric Company	Workpaper MAL-1 Page 1, Line 16(a)	(\$423,319)	(\$423,319)	\$0
4		(IFA) Integrated Facilities Agreement	National Grid USA Service Company	Workpaper MAL-1 Page 1, Line 16(b)	(\$295,582)	(\$295,582)	\$0
5		(IFA) Integrated Facilities Agreement	All Other Companies	Workpaper MAL-1 Page 1, Line 16(c)	(\$21,687)	(\$21,687)	\$0
6				\$0	\$0	\$0	
7				\$0	\$0	\$0	
8				\$0	\$0	\$0	
9				\$0	\$0	\$0	
10				\$0	\$0	\$0	
11		TOTAL		(\$740,588)	(\$740,588)	\$0	
12							
13							
14							
15	Page 2	Adjustments: (to reflect conditions in the Rate Year)					
16							
17		General inflation %					
18		4.6300%	Narragansett Electric Company		\$0	\$0	
19			National Grid USA Service Co.		\$0	\$0	
20		Adjustment for Rate Year estimate	Narragansett Electric Company	Page 6 Line 26(c)	(\$2,250,630)	\$1,061,923	(\$3,312,553)
21		Adjustment for Rate Year estimate	National Grid USA Service Co.	Page 6 Line 26(f)	(\$1,315,443)	(\$911,146)	(\$404,297)
22		TOTAL			(\$3,566,074)	\$150,776	(\$3,716,850)

The Narragansett Electric Company d/b/a National Grid
Summary of PBOP Expense Forecast
FAS 106 - Post-Retirement Benefits Other Than Pensions (PBOP)

	Electric			Gas		
	FY 2019 (a)	FY 2020 (b)	Total Rate Year (c)	FY 2019 (d)	FY 2020 (e)	Total Rate Year (f)
1 OPEB Expense	\$ 4,086,484	\$ 3,891,288	\$ 4,005,152	\$ (605,172)	\$ (643,440)	\$ (621,117)
2 Service Cost	\$ 1,871,382	\$ 1,820,818	\$ 1,850,314	\$ 659,679	\$ 642,663	\$ 652,589
3 Non-Service Cost	\$ 2,215,102	\$ 2,070,470	\$ 2,154,839	\$ (1,264,851)	\$ (1,286,103)	\$ (1,273,706)
4						
5 Fair Value Adjustment Amortization	\$ (1,843,927)	\$ (651,450)	\$ (1,347,062)	\$ 1,585,752	\$ 1,585,752	\$ 1,585,752
6						
7 Less: Amount Capitalized	\$ (14,598)	\$ (621,753)	\$ (267,579)	\$ (1,239,029)	\$ (1,229,640)	\$ (1,235,117)
8						
9 NGUSA Service Company Allocation (including NY ServCo emp., KeySpan Corporate Service, KeySpan Utility Services)	\$ 1,441,633	\$ 1,371,059	\$ 1,412,227	\$ 834,673	\$ 793,812	\$ 817,647
10 Service Cost	\$ 1,080,530	\$ 1,050,011	\$ 1,067,814	\$ 625,602	\$ 607,933	\$ 618,240
11 Non-Service Cost	\$ 361,103	\$ 321,047	\$ 344,413	\$ 209,071	\$ 185,879	\$ 199,408
12						
13 FMV Amortization	0	0	0	0	0	0
14						
15 Less: Amount Capitalized	(460,522)	(447,515)	(455,102)	(255,621)	(248,401)	(252,613)
16						
17						
18 Total OPEB Expense	<u>5,052,997</u>	<u>4,193,079</u>	<u>\$ 4,694,698</u>	<u>\$ (1,265,149)</u>	<u>\$ (1,327,669)</u>	<u>\$ (1,291,199)</u>
19						
20 Other Affiliates			\$ 137,073			\$ 66,844
21						
22 Grand Total Rate Year			<u>4,831,771</u>			<u>(1,224,355)</u>
23						
24 Test Year Amount			4,680,995			2,492,494
25						
26 Proforma Adjustment			<u>150,776</u>			<u>(3,716,850)</u>

Notes:

- | | | |
|--|---|---|
| 1(a) Page 7, Line 4(b) | 7(a) Line 2(a) + Line 5(a) x 1 - Schedule MAL-12, Page 6 Line 20(f) | 10(a) Page 7, Line 27(a) x Schedule MAL-12, Page 8, Line 13(e) |
| 1(b) Page 7, Line 4(e) | 7(b) Line 2(b) + Line 5(b) x 1 - Schedule MAL-12, Page 6 Line 20(f) | 10(b) Page 7, Line 27(d) x Schedule MAL-12, Page 8, Line 13(e) |
| 1(c) Line 1(a) divided by 12 x 7 + Line 1(b) divided by 12 x 5 | 7(c) Line 1(a) divided by 12 x 7 + Line 1(b) divided by 12 x 5 | 10(c) Line 10(a) divided by 12 x 7 + Line 10(b) divided by 12 x 5 |
| 1(d) Page 7, Line 4(c) | 7(d) Line 2(d) + Line 5(d) x 1 - Schedule MAL-12, Page 7 Line 20(f) | 10(d) Page 7, Line 27(a) x Schedule MAL-12, Page 9, Line 13(e) |
| 1(e) Page 7, Line 4(f) | 7(e) Line 2(e) + Line 5(d) x 1 - Schedule MAL-12, Page 7 Line 20(f) | 10(e) Page 7, Line 27(d) x Schedule MAL-12, Page 9, Line 13(e) |
| 1(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | 7(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | 10(f) Line 10(d) divided by 12 x 7 + Line 10(e) divided by 12 x 5 |
| 2(a) Page 7, Line 2(b) | 9(a) Page 7, Line 29(a) x Schedule MAL-12 Page 8, Line 13(e) | 11(a) Page 7, Line 28(a) x Schedule MAL-12, Page 8, Line 13(e) |
| 2(b) Page 7, Line 2(e) | 9(b) Page 7, Line 29(d) x Schedule MAL-12 Page 8, Line 13(e) | 11(b) Page 7, Line 28(d) x Schedule MAL-12, Page 8, Line 13(e) |
| 2(c) Line 2(a) divided by 12 x 7 + Line 2(b) divided by 12 x 5 | 9(c) Line 9(a) divided by 12 x 7 + Line 9(b) divided by 12 x 5 | 11(c) Line 11(a) divided by 12 x 7 + Line 11(b) divided by 12 x 5 |
| 2(d) Page 7, Line 2(c) | 9(d) Page 7, Line 29(a) x Schedule MAL-12 Page 8, Line 13(e) | 11(d) Page 7, Line 27(a) x Schedule MAL-12, Page 9, Line 13(e) |
| 2(e) Page 7, Line 2(f) | 9(e) Page 7, Line 29(d) x Schedule MAL-12 Page 9, Line 13(e) | 11(e) Page 7, Line 27(d) x Schedule MAL-12, Page 9, Line 13(e) |
| 2(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | 9(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | 11(f) Line 11(d) divided by 12 x 7 + Line 11(e) divided by 12 x 5 |
| 3(a) Page 7, Line 3(b) | | 15(a) Line 10(a) x Schedule MAL-12 Page 8, Line 6(f) |
| 3(b) Page 7, Line 3(e) | | 15(b) Line 10(b) x Schedule MAL-12 Page 8, Line 6(f) |
| 3(c) Line 2(a) divided by 12 x 7 + Line 2(b) divided by 12 x 5 | | 15(c) Line 10(a) divided by 12 x 7 + Line 10(b) divided by 12 x 5 |
| 3(d) Page 7, Line 3(c) | | 15(d) Line 10(d) x Schedule MAL-12 Page 9, Line 6(f) |
| 3(e) Page 7, Line 3(f) | | 15(e) Line 10(e) x Schedule MAL-12 Page 9, Line 6(f) |
| 3(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | | 15(f) Line 10(d) divided by 12 x 7 + Line 10(e) divided by 12 x 5 |
| 5(a) Minus Workpaper MAL-8, Page 11 Line 24(d) | | 18(a) - (f) Line 1 + Line 7 + Line 9 + Line 15 |
| 5(b) Minus Workpaper MAL-8, Page 11 Line 24(f) | | 20(c) Page 2 Line 3(b) |
| 5(c) Line 1(a) divided by 12 x 7 + Line 1(b) divided by 12 x 5 | | 20(f) Page 2 Line 3(c) |
| 5(d) Workpaper MAL-8 Page 12 Line 9(d) | | 24(c) & 24(f) Page 2, Line 4(b) & 4(c) |
| 5(e) Workpaper MAL-8 Page 12 Line 9(f) | | 26 Line 22 - Line 24 |
| 5(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5 | | |

Narragansett Electric Company d/b/a National Grid
Summary of PBOP Expense Forecast
FAS 106 Projection

	Estimated 2018-2019			Estimated 2019-2020		
	(a) = (b) + (c) Total	(b) Electric	(c) Gas	(d) = (e) + (f) Total	(e) Electric	(f) Gas
1 NMPC FAS 106 PBOP Cost						
2 Service Cost	2,531,061	1,871,382	659,679	2,463,481	1,820,818	642,663
3 Non-Service Cost	950,251	2,215,102	(1,264,851)	784,367	2,070,470	(1,286,103)
4 Total	3,481,312	4,086,484	(605,172)	3,247,848	3,891,288	(643,440)
5						
6 NGRID USA Serv Co:						
FAS 106 PBOP Cost						
(NMPC Plan)						
7 Service Cost	2,843,022	-	-	2,816,206	-	-
8 Non-Service Cost	625,618	-	-	863,106	-	-
9 Total	3,468,640	-	-	3,679,312	-	-
10						
11 NGRID USA Serv Co						
FAS 106 PBOP Cost						
12 Service Cost	7,793,365	-	-	7,371,725	-	-
13 Non-Service Cost	1,763,318	-	-	2,296,928	-	-
14 Total	9,556,683	-	-	9,668,653	-	-
15						
16 NGRID USA Serv Co:						
KeySpan Corp Serv Co						
FAS 106 PBOP Cost						
17 Service Cost	6,271,364	-	-	6,242,224	-	-
18 Non-Service Cost	2,776,071	-	-	1,522,274	-	-
19 Total	9,047,435	-	-	7,764,498	-	-
20						
21 NGRID USA Serv Co:						
KeySpan Utility Serv Co						
FAS 106 PBOP Cost						
22 Service Cost	833	-	-	863	-	-
23 Non-Service Cost	485,688	-	-	341,578	-	-
24 Total	486,521	-	-	342,441	-	-
25						
26 Total NGRID USA Serv Co						
FAS 106 PBOP Cost						
27 Service Cost	16,908,584	-	-	16,431,018	-	-
28 Non-Service Cost	5,650,695	-	-	5,023,886	-	-
29 Total	22,559,279	-	-	21,454,904	-	-
30						
31 KeySpan Eng Serv Co						
FAS 106 PBOP Cost						
32 Service Cost	2,655,693	-	-	2,735,305	-	-
33 Non-Service Cost	(2,074,813)	-	-	(2,179,634)	-	-
34 Total	580,880	-	-	555,671	-	-

Line Notes

2(b) Workpaper MAL-8 Page 14, Line 131(a)	22(a) Workpaper MAL-8 Page 14, Line 99(a)
2(c) Workpaper MAL-8 Page 14, Line 134(a)	22(d) Workpaper MAL-8 Page 17, Line 100(a)
2(e) Workpaper MAL-8 Page 17, Line 132(a)	23(a) Workpaper MAL-8 Page 14, Line 99(b) - 99(e)
2(f) Workpaper MAL-8 Page 17, Line 135(a)	23(d) Workpaper MAL-8 Page 17, Line 100(b) - 100(e)
3(b) Workpaper MAL-8 Page 14, Line 131(b) - 131(e)	24 Sum of Lines 22 & 23
3(c) Workpaper MAL-8 Page 14, Line 134(b) - 134(e)	27(a) Sum of Lines 7(a) + 12(a) + 17(a) + 22(a)
3(e) Workpaper MAL-8 Page 17, Line 132(b) - 132(e)	27(d) Sum of Lines 7(d) + 12(d) + 17(d) + 22(d)
3(f) Workpaper MAL-8 Page 17, Line 135(b) - 135(e)	28(a) Sum of Lines 8(a) + 13(a) + 18(a) + 23(a)
4 Sum of Lines 2 & 3	28(d) Sum of Lines 8(d) + 13(d) + 18(d) + 23(d)
7(a) Workpaper MAL-8 Page 14, Line 138(a)	29 Sum of Lines 17 + 28
7(d) Workpaper MAL-8 Page 17, Line 139(a)	32(a) Workpaper MAL-8 Page 14, Line 100(a)
8(a) Workpaper MAL-8 Page 14, Line 138(b) - 138(e)	32(d) Workpaper MAL-8 Page 17, Line 101(a)
8(d) Workpaper MAL-8 Page 17, Line 139(b) - 139(e)	33(a) Workpaper MAL-8 Page 14, Line 100(b) - 100(e)
9 Sum of lines 7 & 8	33(d) Workpaper MAL-8 Page 17, Line 101(b) - 101(e)
12(a) Workpaper MAL-8 Page 14, Line 133(a)	34 Sum of Lines 32 + 33
12(d) Workpaper MAL-8 Page 17, Line 134(a)	
13(a) Workpaper MAL-8 Page 14, Line 133(b) - 133(e)	
13(d) Workpaper MAL-8 Page 17, Line 134(b) - 134(e)	
14 Sum of Lines 12 & 13	
17(a) Workpaper MAL-8 Page 14, Line 98(a)	
17(d) Workpaper MAL-8 Page 17, Line 99(a)	
18(a) Workpaper MAL-8 Page 14, Line 98(b) - 98(e)	
18(d) Workpaper MAL-8 Page 17, Line 99(b) - 99(e)	
19 Sum of Lines 17 & 18	

Schedule MAL-28 (REV-2)

Pension

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

	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)	
1	Provider Company:									
1	Narragansett Electric Company	\$12,284,547	\$7,986,224	\$4,298,323	(\$1,251,826)	(\$1,251,826)	\$0	\$11,032,721	\$6,734,398	\$4,298,323
2	National Grid USA Service Company	\$9,794,597	\$6,757,380	\$3,037,218	(\$923,058)	(\$923,058)	\$0	\$8,871,539	\$5,834,322	\$3,037,218
3	All Other Companies	\$160,690	\$112,881	\$47,809	(\$15,420)	(\$15,420)	\$0	\$145,270	\$97,461	\$47,809
4	Total	\$22,239,834	\$14,856,485	\$7,383,350	(\$2,190,304)	(\$2,190,304)	\$0	\$20,049,531	\$12,666,181	\$7,383,350
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	\$22,239,834	\$14,856,485	\$7,383,350	(\$2,190,304)	(\$2,190,304)	\$0	\$20,049,530	\$12,666,181	\$7,383,350
20	Sub Total	\$22,239,834	\$14,856,485	\$7,383,350	(\$2,190,304)	(\$2,190,304)	\$0	\$20,049,530	\$12,666,181	\$7,383,350
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	\$22,239,834	\$14,856,485	\$7,383,350	(\$2,190,304)	(\$2,190,304)	\$0	\$20,049,530	\$12,666,181	\$7,383,350

- Line Notes
1(b) Per Company Books
1(c) Per Company Books
1(e) Page 5, Line 2(b) + Line 5(b)+Line 8(b)
2(e) Page 5, Line 3(b)
3(e) Page 5, Line 4(b)
19(a) - (i) Line 4(a) - (i)
28(a) - (i) Line 20(a) - (i)

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

	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)							Total (g) = (h) + (i)
Provider Company:										
1	Narragansett Electric Company	\$11,032,721	\$6,734,398	\$4,298,323	(\$7,885,350)	(\$4,582,469)	(\$3,302,881)	\$3,147,371	\$2,151,930	\$995,442
2	National Grid USA Service Company	\$8,871,539	\$5,834,322	\$3,037,218	(\$2,828,434)	(\$2,023,670)	(\$804,763)	\$6,043,106	\$3,810,651	\$2,232,454
3	All Other Companies	\$145,270	\$97,461	\$47,809	\$0	\$0	\$0	\$145,270	\$97,461	\$47,809
4	Total	<u>\$20,049,531</u>	<u>\$12,666,181</u>	<u>\$7,383,350</u>	<u>(\$10,713,783)</u>	<u>(\$6,606,139)</u>	<u>(\$4,107,644)</u>	<u>\$9,335,747</u>	<u>\$6,060,042</u>	<u>\$3,275,705</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 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	\$20,049,530	\$12,666,181	\$7,383,350	(\$10,713,783)	(\$6,606,139)	(\$4,107,644)	\$9,335,747	\$6,060,042	\$3,275,705
18	Sub Total	<u>\$20,049,530</u>	<u>\$12,666,181</u>	<u>\$7,383,350</u>	<u>(\$10,713,783)</u>	<u>(\$6,606,139)</u>	<u>(\$4,107,644)</u>	<u>\$9,335,747</u>	<u>\$6,060,042</u>	<u>\$3,275,705</u>
19										
20										
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>\$20,049,530</u>	<u>\$12,666,181</u>	<u>\$7,383,350</u>	<u>(\$10,713,783)</u>	<u>(\$6,606,139)</u>	<u>(\$4,107,644)</u>	<u>\$9,335,747</u>	<u>\$6,060,042</u>	<u>\$3,275,705</u>
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(b) Page 1, Line 1(h)
- 2(b) Page 1, Line 2(h)
- 3(b) Page 1, Line 3(h)
- 1(c) Page 1, Line 1(i)
- 2(c) Page 1, Line 2(i)
- 3(c) Page 1, Line 3(i)

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

	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	\$2,151,930	\$0	\$2,151,930	\$2,151,930
2	National Grid USA Service Company	\$3,810,651	\$0	\$3,810,651	\$3,810,651
3	All Other Companies	\$97,461	\$0	\$97,461	\$97,461
4	Total	<u>\$6,060,042</u>	<u>\$0</u>	<u>\$6,060,042</u>	<u>\$6,060,042</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	\$6,060,042	\$0	\$6,060,042	\$6,060,042
20	Sub Total	<u>\$6,060,042</u>	<u>\$0</u>	<u>\$6,060,042</u>	<u>\$6,060,042</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>\$6,060,042</u>	<u>\$0</u>	<u>\$6,060,042</u>	<u>\$6,060,042</u>
		(\$0)	\$0	(\$0)	\$0

Line Notes

- 1(a) Page 2, Line 1(h)
- 2(a) Page 2, Line 2(h)
- 3(a) Page 2, Line 3(h)
- 4(a) Sum of Lines 1-3
- 19(a) - (e) Line 4(a)
- 28(a) - (e) Line 20(a)

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

	Rate Year Ending August 31, 2019 Gas (a)	Adjustments to Reflect Conditions in Data Year Gas (b)	Data Year 1 Ending August 31, 2020 Gas (c) = (a) + (b)	Adjustments to Reflect Conditions in Data Year Gas (d)	Data Year 2 Ending August 31, 2021 Gas (e) = (c) + (d)	
Provider Company:						
1	Narragansett Electric Company	\$995,442	\$0	\$995,442	\$0	\$995,442
2	National Grid USA Service Company	\$2,232,454	\$0	\$2,232,454	\$0	\$2,232,454
3	All Other Companies	\$47,809	\$0	\$47,809	\$0	\$47,809
4	Total	<u>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</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 and Processing Exp.	\$0	\$0	\$0	\$0	\$0
11						
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	\$0	\$0	\$0	\$0	\$0
17						
18	Sales Expenses	\$0	\$0	\$0	\$0	\$0
19	Administrative & General Expenses	\$3,275,705	\$0	\$3,275,705	\$0	\$3,275,705
20	Sub Total	<u>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</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>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</u>	<u>\$0</u>	<u>\$3,275,705</u>
		\$0	\$0	\$0	\$0	\$0

Line Notes

- 1(a) Page 2, Line 1(i)
- 2(a) Page 2, Line 2(i)
- 3(a) Page 2, Line 3(i)
- 4(a) Sum of Lines 1-3
- 19(a) - (e) Line 4(a)
- 28(a) - (e) Line 20(a)

The Narragansett Electric Company d/b/a National Grid
Summary of Pension Expense Forecast
Pension Expense

	Electric			Gas		
	FY 2019 (a)	FY 2020 (b)	Total Rate Year (c)	FY 2019 (d)	FY 2020 (e)	Total Rate Year (f)
1 Pension Expense	\$4,474,036	\$3,454,886	\$4,049,390	\$2,736,856	\$2,308,472	\$2,558,363
2 Service Cost	\$3,640,961	\$3,467,457	\$3,568,668	\$2,889,783	\$2,752,075	\$2,832,405
3 Non-Service Cost	\$833,075	(\$12,571)	\$480,723	(\$152,927)	(\$443,603)	(\$274,042)
4						
5 FMV Amortization	\$0	\$0	\$0	\$0	\$0	\$0
6						
7 Less: Amount Capitalized	(\$1,935,899)	(\$1,843,647)	(\$1,897,461)	(\$1,594,582)	(\$1,518,595)	(\$1,562,921)
8						
9 NGUSA Service Company Allocation (including NY ServCo emp., KeySpan Corporate Service, KeySpan Utility Services)	\$5,748,977	\$3,724,326	\$4,905,373	\$3,328,528	\$2,156,301	\$2,840,100
10 Service Cost	\$2,627,255	\$2,486,394	\$2,568,563	\$1,521,121	\$1,439,566	\$1,487,140
11 Non-Service Cost	\$3,121,722	\$1,237,932	\$2,336,810	\$1,807,407	\$716,735	\$1,352,960
12						
13 FMV Amortization	\$0	\$0	\$0	\$0	\$0	\$0
14						
15 Less: Amount Capitalized	(\$1,119,736)	(\$1,059,701)	(\$1,094,722)	(\$621,530)	(\$588,207)	(\$607,645)
16						
17						
18 Total Pension Expense	<u>\$7,167,378</u>	<u>\$4,275,864</u>	<u>\$5,962,581</u>	<u>\$3,849,271</u>	<u>\$2,357,971</u>	<u>\$3,227,896</u>
19						
20 Other Affiliates			\$97,461			\$47,809
21						
22 Grand Total Rate Year			<u>\$6,060,042</u>			<u>\$3,275,705</u>
23						
24 Test Year Amount			\$12,666,181			\$7,383,350
25						
26 Proforma Adjustment			<u>(\$6,606,139)</u>			<u>(\$4,107,644)</u>

Notes:

- 1(a) Page 7, Line 4(b)
- 1(b) Page 7, Line 4(e)
- 1(c) Line 1(a) divided by 12 x 7 + Line 1(b) divided by 12 x 5
- 1(d) Page 7, Line 4(c)
- 1(e) Page 7, Line 4(f)
- 1(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5
- 2(a) Page 7, Line 2(b)
- 2(b) Page 7, Line 2(e)
- 2(c) Line 2(a) divided by 12 x 7 + Line 2(b) divided by 12 x 5
- 2(d) Page 7, Line 2(c)
- 2(e) Page 7, Line 2(f)
- 2(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5
- 3(a) Page 7, Line 3(b)
- 3(b) Page 7, Line 3(e)
- 3(c) Line 2(a) divided by 12 x 7 + Line 2(b) divided by 12 x 5
- 3(d) Page 7, Line 3(c)
- 3(e) Page 7, Line 3(f)
- 3(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5

- 7(a) Line 2(a) x 1 - Schedule MAL-12, Page 6 Line 20(f)
- 7(b) Line 2(b) x 1 - Schedule MAL-12, Page 6 Line 20(f)
- 7(c) Line 1(a) divided by 12 x 7 + Line 1(b) divided by 12 x 5
- 7(d) Line 2(d) x 1 - Schedule MAL-12, Page 7 Line 20(f)
- 7(e) Line 2(e) x 1 - Schedule MAL-12, Page 7 Line 20(f)
- 7(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5
- 9(a) Page 7, Line 29(a) x Schedule MAL-12 Page 8, Line 13(e)
- 9(b) Page 7, Line 29(d) x Schedule MAL-12 Page 8, Line 13(e)
- 9(c) Line 9(a) divided by 12 x 7 + Line 9(b) divided by 12 x 5
- 9(d) Page 7, Line 29(a) x Schedule MAL-12 Page 8, Line 13(e)
- 9(e) Page 7, Line 29(d) x Schedule MAL-12 Page 9, Line 13(e)
- 9(f) Line 1(d) divided by 12 x 7 + Line 1(e) divided by 12 x 5

- 10(a) Page 7, Line 27(a) x Schedule MAL-12, Page 8, Line 13(e)
- 10(b) Page 7, Line 27(d) x Schedule MAL-12, Page 8, Line 13(e)
- 10(c) Line 10(a) divided by 12 x 7 + Line 10(b) divided by 12 x 5
- 10(d) Page 7, Line 27(a) x Schedule MAL-12, Page 9, Line 13(e)
- 10(e) Page 7, Line 27(d) x Schedule MAL-12, Page 9, Line 13(e)
- 10(f) Line 10(d) divided by 12 x 7 + Line 10(e) divided by 12 x 5
- 11(a) Page 7, Line 28(a) x Schedule MAL-12, Page 8, Line 13(e)
- 11(b) Page 7, Line 28(d) x Schedule MAL-12, Page 8, Line 13(e)
- 11(c) Line 11(a) divided by 12 x 7 + Line 11(b) divided by 12 x 5
- 11(d) Page 7, Line 27(a) x Schedule MAL-12, Page 9, Line 13(e)
- 11(e) Page 7, Line 27(d) x Schedule MAL-12, Page 9, Line 13(e)
- 11(f) Line 11(d) divided by 12 x 7 + Line 11(e) divided by 12 x 5
- 15(a) Line 10(a) x Schedule MAL-12 Page 8, Line 6(f)
- 15(b) Line 10(b) x Schedule MAL-12 Page 8, Line 6(f)
- 15(c) Line 10(a) divided by 12 x 7 + Line 10(b) divided by 12 x 5
- 15(d) Line 10(d) x Schedule MAL-12 Page 9, Line 6(f)
- 15(e) Line 10(e) x Schedule MAL-12 Page 9, Line 6(f)
- 15(f) Line 10(d) divided by 12 x 7 + Line 10(e) divided by 12 x 5
- 18(a) - (f) Line 1 + Line 7 + Line 9 + Line 15
- 20(c) Page 2, Line 3(b)
- 20(f) Page 2, Line 3(c)
- 24(c) & 24(f) Page 2, Line 3(b) & 3(c)
- 26(c) & 26(f) Line 24 - Line 26

Narragansett Electric Company
Summary of Pension Expense Forecast
FAS 87 Projection

	Estimated 2018-2019			Estimated 2019-2020		
	(a) = (b) + (c) Total	(b) Electric	(c) Gas	(d) = (e) + (f) Total	(e) Electric	(f) Gas
Projected NECO Pension						
1 NECO FAS 87 Pension Cost						
2 Service Cost	6,530,744	3,640,961	2,889,783	6,219,532	3,467,457	2,752,075
3 Non-Service Cost	680,148	833,075	(152,927)	(456,174)	(12,571)	(443,603)
4 Total	7,210,892	4,474,036	2,736,856	5,763,358	3,454,886	2,308,472
5						
6 NGRID USA Serv Co: FAS 87 Pension Cost (NMPC Plan)						
7 Service Cost	4,095,535	-	-	3,997,908	-	-
8 Non-Service Cost	925,563	-	-	(1,358,664)	-	-
9 Total	5,021,098	-	-	2,639,244	-	-
10						
11 NGRID USA Serv Co: FAS 87 Pension Cost						
12 Service Cost	16,079,514	-	-	15,328,261	-	-
13 Non-Service Cost	13,243,101	-	-	9,654,962	-	-
14 Total	29,322,615	-	-	24,983,223	-	-
15						
16 NGRID USA Serv Co: KeySpan Corp Serv Co FAS 87 Pension Cost						
17 Service Cost	20,937,340	-	-	19,581,980	-	-
18 Non-Service Cost	32,544,310	-	-	10,636,536	-	-
19 Total	53,481,650	-	-	30,218,516	-	-
20						
21 NGRID USA Serv Co: KeySpan Utility Serv Co FAS 87 Pension Cost						
22 Service Cost	-	-	-	-	-	-
23 Non-Service Cost	2,137,054	-	-	438,848	-	-
24 Total	2,137,054	-	-	438,848	-	-
25						
26 Total NGRID USA Serv Co: FAS 87 Pension Cost						
27 Service Cost	41,112,389	-	-	38,908,149	-	-
28 Non-Service Cost	48,850,028	-	-	19,371,682	-	-
29 Total	89,962,417	-	-	58,279,831	-	-
30						
31 KeySpan Eng Serv Co: FAS 87 Pension Cost						
32 Service Cost	4,508,349	-	-	4,170,071	-	-
33 Non-Service Cost	2,723,843	-	-	158,879	-	-
34 Total	7,232,192	-	-	4,328,950	-	-

Line Notes

2(b) Workpaper MAL-8 Page 3, Line 41(a)	22(a) Workpaper MAL-8 Page 3, Line 8(a)
2(c) Workpaper MAL-8 Page 3, Line 44(a)	22(d) Workpaper MAL-8 Page 4, Line 8(a)
2(e) Workpaper MAL-8 Page 4, Line 41(a)	23(a) Workpaper MAL-8 Page 3, Line 8(b) - 8(e)
2(f) Workpaper MAL-8 Page 4, Line 44(a)	23(d) Workpaper MAL-8 Page 4, Line 8(b) - 8(e)
3(b) Workpaper MAL-8 Page 3, Line 41(b) - 41(e)	24 Sum of Lines 22 & 23
3(c) Workpaper MAL-8 Page 3, Line 44(b) - 44(e)	27(a) Sum of Lines 7(a) + 12(a) + 17(a) + 22(a)
3(e) Workpaper MAL-8 Page 4, Line 41(b) - 41(e)	27(d) Sum of Lines 7(d) + 12(d) + 17(d) + 22(d)
3(f) Workpaper MAL-8 Page 4, Line 44(b) - 44(e)	28(a) Sum of Lines 8(a) + 13(a) + 18(a) + 23(a)
4 Sum of Lines 2 & 3	28(d) Sum of Lines 8(d) + 13(d) + 18(d) + 23(d)
7(a) Workpaper MAL-8 Page 3, Line 49(a)	29 Sum of Lines 17 + 28
7(d) Workpaper MAL-8 Page 4, Line 49(a)	32(a) Workpaper MAL-8 Page 3, Line 9(a)
8(a) Workpaper MAL-8 Page 3, Line 49(b) - 49(e)	32(d) Workpaper MAL-8 Page 4, Line 9(a)
8(d) Workpaper MAL-8 Page 4, Line 49(b) - 49(e)	33(a) Workpaper MAL-8 Page 3, Line 9(b) - 9(e)
9 Sum of lines 7 & 8	33(d) Workpaper MAL-8 Page 4, Line 9(b) - 9(e)
12(a) Workpaper MAL-8 Page 3, Line 43(a)	34 Sum of Lines 32 + 33
12(d) Workpaper MAL-8 Page 4, Line 43(a)	
13(a) Workpaper MAL-8 Page 3, Line 43(b) - 43(e)	
13(d) Workpaper MAL-8 Page 4, Line 43(b) - 43(e)	
14 Sum of Lines 12 & 13	
17(a) Workpaper MAL-8 Page 3, Line 7(a)	
17(d) Workpaper MAL-8 Page 4, Line 7(a)	
18(a) Workpaper MAL-8 Page 3, Line 7(b) - 7(e)	
18(d) Workpaper MAL-8 Page 4, Line 7(b) - 7(e)	
19 Sum of Lines 17 & 18	

Schedule MAL-29 (REV-2)

Energy Efficiency Program

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Energy Efficiency Program

	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	\$92,573,536	\$70,053,666	\$22,519,870	(\$92,573,536)	(\$70,053,666)	(\$22,519,870)	\$0	\$0	\$0
2	National Grid USA Service Company	\$4,596,137	\$3,414,077	\$1,182,060	(\$4,596,137)	(\$3,414,077)	(\$1,182,060)	\$0	\$0	\$0
3	All Other Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Total	\$97,169,672	\$73,467,743	\$23,701,929	(\$97,169,672)	(\$73,467,743)	(\$23,701,929)	\$0	\$0	\$0
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	\$97,169,672	\$73,467,743	\$23,701,929	(\$97,169,672)	(\$73,467,743)	(\$23,701,929)	\$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	\$97,169,672	\$73,467,743	\$23,701,929	(\$97,169,672)	(\$73,467,743)	(\$23,701,929)	\$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	TOTAL	\$97,169,672	\$73,467,743	\$23,701,929	(\$97,169,672)	(\$73,467,743)	(\$23,701,929)	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Column Notes:

- (a) Per Company Books
- (c) (a) + (b)

Line Notes:

- 1-3 Column (e), Page 5, Line 2 through Line 4, Column (b)
- 1-3 Column (f), Page 5, Line 2 through Line 4, Column (c)
- 16 Column (e), Page 5, Line 8, Column (b)
- 16 Column (f), Page 5, Line 8, Column (c)

The Narragansett Electric Company d/b/a National Grid
Operating Expenses by Component
Energy Efficiency Program

	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	\$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
Operating Expenses by Component
Energy Efficiency 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	\$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 and Processing Exp.	\$0	\$0	\$0	\$0
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
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
Energy Efficiency Program

	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
Energy Efficiency Program

		<u>Provider Company</u>	<u>Source Work</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>
				(a) = (b) + (c)	(b)	(c)
Explanation of Adjustments:						
1	Page 1	Adjustments: (to normalize Historic Year)				
2		Boston Gas Company		(\$92,573,536)	(\$70,053,666)	(\$22,519,870)
3		National Grid USA Service Company		(\$4,596,137)	(\$3,414,077)	(\$1,182,060)
4		All Other Companies		\$0	\$0	\$0
5				\$0	\$0	\$0
6		All Other Companies		\$0	\$0	\$0
7				\$0	\$0	\$0
8		TOTAL		<u>(\$97,169,672)</u>	<u>(\$73,467,743)</u>	<u>(\$23,701,929)</u>
9						
10						
11						
12						
13						
14						
15	Page 2	Adjustments: (to reflect conditions in the Rate Year 2017)				
16				\$0	\$0	\$0
17				\$0	\$0	\$0
18				\$0	\$0	\$0
19				\$0	\$0	\$0
20						
21						
22						
23						
24						
25		TOTAL		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Line Notes
2-4 Energy Efficiency cost is recovered through Net Energy Efficiency Charge and stripped out for general rate case