STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

IN RE: NATIONAL GRID APPLICATION TO CHANGE ELECTRIC AND GAS DISTRIBUTION REVENUE REQUIREMENTS AND ASSOCIATED RATES)	DOCKET NO. 4770
IN RE: REVIEW OF NATIONAL GRID PROPOSED POWER SECTOR TRANSFORMATION VISION AND IMPLEMENTATION PLAN	-))))	DOCKET NO. 4780

PRE-FILED SETTLEMENT TESTIMONY OF MARK LeBEL, ON BEHALF OF ACADIA CENTER

Exhibit AC-Settlement-1

June 5, 2018

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I. INTRODUCTION

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- 2 Rhode Island has laid out bold plans to embrace a consumer-friendly clean energy future,
- which includes an ambitious set of utility regulatory reforms. In November 2017, National Grid
- 4 filed, in Docket No. 4770, an Investigation as to the Propriety of Proposed Tariff Changes, along
- 5 with a Power Sector Transformation Plan, which was docketed in Docket 4780. On June 5, 2018,
- 6 National Grid, the Division of Public Utilities and Carriers, Acadia Center and other intervening
- 7 parties have submitted a combined settlement of the issues raised in both Dockets 4770 and
- 8 4780. Acadia Center believes that this settlement, although imperfect, represents significant
- 9 progress on numerous issues and sets the stage for more rigorous and ambitious reforms.

II. PURPOSE AND OVERVIEW OF TESTIMONY

- 11 Q. Please state your name, title, employer, and business address.
- A. My name is Mark LeBel. I am a Staff Attorney for Acadia Center, located at 31 Milk
- 13 Street, Suite 501, Boston, MA 02109.
- 14 Q. Did you previously file testimony in Dockets 4770 and 4780?
- 15 A. Yes. I filed direct testimony in Docket 4770, Exhibit AC-ML-1, on April 6, 2018,
- including Exhibits AC-ML-2 through AC-ML-8. In addition, I filed direct testimony in
- Docket 4780, Exhibit AC-PST-1, on April 25, 2018, including Exhibits AC-PST-2
- through AC-PST-8.
- 19 Q. Please summarize the purpose of today's testimony.
- 20 A. The purpose of my testimony today is to support the settlement filed today for Dockets
- 21 4770 and 4780, with a general overview on issues covered by my previous testimony and
- specific details on the resolution of the issues around (1) residential and small
- commercial and industrial (C&I) customer charges and (2) the Charging Station
- 24 Demonstration Program.

III. GENERAL OVERVIEW OF SETTLEMENT

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2	Q.	What are the key parts of the settlement from your perspective?
3	A.	On the issues I addressed in my earlier testimony, there are three key pieces to the
4		settlement: (1) several initial changes to the utility business model, (2) significant
5		investments in grid modernization and beneficial clean energy programs, and (3) a path
6		forward for more rigorous and ambitious reforms.
7	Q.	Please describe your view of the changes to the utility business model in the
8		settlement.
9	A.	The settlement includes several changes to the utility business model, which should begin
10		to change the incentives of National Grid – away from traditional capital investments and
11		towards outcomes that benefit consumers and the environment. This includes a multi-year
12		rate plan, a reduction in the baseline return on equity from 9.5% to 9.275%, a set of new
13		performance incentives around system efficiency and distributed energy resources, and
14		exhibition metrics to begin tracking other important issues, including adoption levels for
15		the low-income discount rate.
16	Q.	What is your opinion on the investments in grid modernization and beneficial clean
17		energy programs?
18	A.	There are a wide range of significant investments directly incorporated into the overall
19		yearly revenue requirements. This includes funding for a range of investments that should
20		lead to a smarter, more efficient, and more secure electricity system, as well as an
21		Advanced Metering Functionality (AMF) study. The settlement also includes funding for
22		three new clean energy programs around (1) electric transportation, (2) electric heating,
23		and (3) advanced energy storage. The details of the new clean energy programs have
24		changed significantly in some respects from the original National Grid proposals and
25		should provide for higher adoption levels to meet important public policy goals.
26	Q.	Please describe the path forward from Dockets 4770 and 4780 and this settlement.
27	A.	Several elements of this settlement lay out a concrete path forward for further reforms
28		and stakeholder engagement. This includes a new proceeding around AMF, time-varying

rates, and a grid modernization plan. The settlement also provides for a new Power Sector

Transformation Advisory Group to review progress on key Power Sector Transformation

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programs and stakeholder feedback on next steps. Lastly, there is agreement that the next rate case filing by National Grid must include at least a three-year rate plan, which should enable further utility business model reforms.

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IV. SETTLEMENT PROVISIONS ON RESIDENTIAL AND SMALL C&I CUSTOMER CHARGES

- Q. What did National Grid propose with respect to residential and small C&I customercharges?
- 9 A. In its initial testimony, National Grid proposed an increase in the residential customer charge from \$5 to \$8.50 and an increase in the small C&I customer charge from \$10 to \$13. National Grid argued that these increases were justified based on two elements of the allocated cost of service study: (1) estimated customer-related costs of \$9.61 per month for residential customers and \$13.78 for small C&I customers and (2) inclusion of a portion of demand-related costs into the customer charge.
- 15 Q. What was your position on these customer charge proposals in your original 16 testimony in Docket 4770?
- 17 A. I raised several questions about National Grid's methodology for calculating customer18 related costs to justify these proposed increases and I opposed any consideration of
 19 demand-related costs in the calculation of customer charges. I also performed a simple
 20 calculation showing that removal of administrative and general expenses from National
 21 Grid's calculation of residential customer-related costs would bring customer-related
 22 costs below the proposed \$8.50 per month level.

23 Q. Did National Grid update these calculations throughout this proceeding?

A. National Grid subsequently updated the allocated cost of service study to account for changes in federal tax law, and, in rebuttal testimony, conceded that a few minor categories of expenses were not appropriate for inclusion in customer-related costs. These changes reduced National Grid's estimate of customer-related costs to \$9.38 per month for residential customers and \$13.56 for small C&I customers. See Attachment AC-2-1-1 to National Grid's Response to Acadia Center Data Request 2-1.

- Q. Please describe the settlement provisions regarding residential and small C&I
 customer charges.
 A. The settlement includes a modest increase in residential customer charges from \$5 to \$6
- and holds small C&I customer charges flat at \$10.
 Why do you support this result?

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- A. Both of these results are either within or below a reasonable range of estimates of 6 customer-related costs for the relevant rate class. As mentioned above, National Grid's 7 updated estimate of customer-related costs was \$9.38 per month for residential customers 8 and \$13.56 for small C&I customers. I still believe that these calculations are 9 overinclusive. I have developed two other scenarios, based on National Grid's latest 10 active spreadsheet provided in response to Acadia Center Data Request 2-1, to show what 11 I believe is a more reasonable range for customer-related costs. First, Exhibit AC-12 Settlement-2 shows a relatively restrictive definition of customer-related costs, which 13 removes the following categories of costs from the calculation: 14
 - Account 390 (General Plant) and the associated category of depreciation reserve;
 - Account 588 (miscellaneous expenses for distribution operation);
 - Account 910 (miscellaneous expenses for customer service); and
 - All administrative and general expense accounts.

These deletions are highlighted in yellow in Exhibit AC-Settlement-2. This leads to an estimate of \$6.54 for residential customer-related costs and \$8.56 for small C&I customer-related costs. Exhibit AC-Settlement-3 shows a slightly less restrictive calculation of customer-related costs, which adds back in three categories of administrative and general expenses, at least some of which could be considered customer-related, namely Account 925 (Injuries and Damages Insurance), Account 926 (Employee Pensions and Benefits), and Account 931 (A&G Rents). This scenario leads to an estimate of \$7.89 for residential customer-related costs and \$10.87 for small C&I customer-related costs. These two scenarios indicate to me that the settlement provisions for a \$6 residential customer charge and a \$10 small C&I customer charge are reasonable.

1	Q.	What do you recommend on customer charges, cost of service studies, and rate
2		design going forward?
3	A.	The settling parties do not agree on the specifics of the calculation to be used for
4		customer-related costs. Future proceedings at the Rhode Island Public Utilities
5		Commission could provide more concrete guidance on key rate design issues and lay the
6		groundwork for future reforms.
7	\mathbf{V}	. SETTLEMENT PROVISIONS ON THE CHARGING STATION
8		DEMONSTRATION PROGRAM
9	Q.	Please describe the proposed charging station demonstration program.
LO	A.	National Grid's proposal for the charging station demonstration program is multi-faceted,
l1		incorporating a number of different investment and incentive approaches for a wide array
L2		of market segments. First, for Level 2 charging stations, National Grid reasonably
L3		proposed to target locations with longer dwell times. For the consumer vehicles, this
L4		includes workplaces, apartment buildings, income-eligible communities, and public
L5		transit stations. The proposed Level 2 program would also address private commercial
L6		fleets and government fleets. Second, there is a program for DC fast charging stations.
L7		This includes sites for public charging, public transit vehicles, municipal school buses, a
L8		rideshare company hub, and other heavy-duty applications. Many of the features of this
L9		proposal have stayed roughly the same, but other aspects have changed significantly
20	Q.	What changes are most significant to you?
21	A.	Two changes are particularly significant in my opinion: (1) the market segments where
22		utility ownership of charging stations is allowed and (2) the composition of sites in the
23		Level 2 program.
24	Q.	What did National Grid originally propose with respect to utility ownership of
25		charging stations?
26	A.	National Grid proposed that up to 50% of the sites for each consumer segment of the
27		Level 2 program could include utility ownership of the end use charging station, and the

other 50% would be under the "make-ready" model. The details of the two models are

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- described in my original testimony in Docket 4780. National Grid also proposed owning four public DC fast charging stations.
- What opinion did you state on utility ownership of end use charging stations in your original testimony in Docket 4780?
- 5 A. I argued that, in general, the utility-owned model is inferior to the make-ready model, because utility ownership interferes with the development of a competitive charging 6 station market and incentivizes capital investment by the utility. I also stated that there 7 may be exceptions to this general principle, particularly where markets and rebate 8 programs are not able to adequately serve certain areas of need. I additionally observed 9 that National Grid's proposals for Site Host Participation Payments and a Program 10 Recovery Factor do appear to be sensible improvements on the utility ownership model 11 that has been proposed in other states. 12
- 13 Q. Please describe the provisions of the settlement with respect to utility ownership of 14 end use charging stations.
- Under the terms of the settlement, National Grid will not be able to own end use charging 15 A. stations in two market segments: workplaces and corporate light-duty fleets. In my 16 opinion, these segments are the ones which are best suited for further development 17 through markets, including private investment and rebate programs. National Grid will be 18 allowed to own up to 100% of the sites in three market segments: income-eligible 19 community sites, multi-family apartment buildings, and government light-duty fleets. 20 Income-eligible communities and multi-family apartment buildings are the areas where 21 there are significant hurdles to market development and utility ownership may better 22 23 facilitate electric vehicle adoption for population segments who currently find it difficult. 24 The case of government light-duty fleets is also a special one, where there may be government contracting hurdles that may be difficult to resolve or take a substantial 25 26 amount of time. Lastly, there are two areas that I view as compromises, where National 27 Grid will be allowed to own up to 50% of the sites at public transit parking lots and up to two DC fast charging sites. 28

Q. Why do you support this result?

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A. While certain aspects of this result represent a compromise, it also protects the role of the competitive market in key areas where private investments and rebate programs should be sufficient. Allowing, but not requiring, utility ownership in certain segments will also allow for experimentation and comparison of results across models. Lastly, allowing utility ownership in the income-eligible community and multi-family apartment segments provides greater certainty of progress in underserved areas.

8 Q. What changes were made in the composition of the Level 2 program?

9 A. The original proposal was heavily weighted towards charging station sites at workplaces.
10 While workplace charging represents a significant need, the settlement has decreased the
11 overall number of workplace sites and increased the number of sites located in income12 eligible communities, multi-family apartments, and public transit parking. I believe this
13 represents a more balanced portfolio of investments that should help develop the EV
14 market in a manner that is more equitable and better integrated with public transit.

VI. CONCLUSION

- 17 Q. Do you believe the Commission should approve this proposed settlement?
- 18 A. Yes, I do. Although no settlement is perfect, it represents a major advance for the State of
 19 Rhode Island and the region with significant reforms to the utility business model and
 20 new investments in grid modernization and clean energy, while addressing a wide variety
 21 of stakeholder concerns with the original proposal.
- 22 Q. Does this conclude your testimony?
- 23 A. Yes, it does.

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s) Rate Year Ending August 31, 2019 (REV-1)

Custome	**				Customer-Kei	atcu Costs					
					\$6.54	\$8.56	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
1	I. ELECTRIC PLANT IN SER	VICE									
2	A. HYDRO PRODUCTION PI	L∤									
3	Production Plant	302	<u>-</u>			-	-	-	-	-	<u>-</u>
4	Hydro Production Plant	_			-	-	-	-	-	-	
5											
6	C. TRANSMISSION PLANT										
7	Transmission Plant	361				-	-	-	-	-	
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-
9											
10	D. DISTRIBUTION PLANT										
11	Land and Land Rights	360	-		-	-	-	-	-	-	-
12	Structures and Improvements	361	-		-	-	-	-	-	-	-
13	Station Equipment	362	-		-	-	-	-	-	-	-
14	Poles, Towers and Fixtures	364	-		-	-	-	-	-	-	-
15	OH Conductors and Devices	365	-		-	-	-	-	-	-	-
16	UG Conduit	366	-		-	-	-	-	-	-	-
17	UG Conductors & Devices	367	-		-	-	-	-	-	-	-
18	Line Transformers	368	-		-	-	-	-	-	-	-
19	Services	369	107,009		95,006	10,647	1,328	27	0	-	-
20	Meters	370	57,072		32,234	16,965	6,034	1,825	7	-	7
21	Install on Cust Premises	371	120		104	12	2	0	0	1	0
22	Street Light & Signal	373	39,684		-	-	-	-	-	39,684	-
23	Electric Plant ARO	374				-	-	-	-	-	
24	Distribution Plant	360-373	203,885		127,344	27,624	7,364	1,853	8	39,685	7
25											
26	E. GENERAL PLANT										
27	Land and Land Rights	389	-		-	-	-	-	-	-	-
28	General Plant	390	2,506				530	137	18	1,821	0
29	General Plant	389-399	2,506		-	-	530	137	18	1,821	0
30		_									
31	TOTAL UTILITY PLANT	_	206,391		127,344	27,624	7,894	1,989	26	41,507	7
32											

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s) Rate Year Ending August 31, 2019 (REV-1)

Name	Custome	•				\$6.54	\$8.56	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Production Plant 108.3	Line	Account	No.	Balance	Check	Residential					Lighting	Propulsion
Structures and Improvements 108.5	33	II. DEPRECIATION RESERVE	E									
Station Equipment 108.5	34	Production Plant	108.3	-		-	-	-	-	-	-	-
Poles, Towers and Fixtures 108.5 - - - - - - - - -	35	Structures and Improvements	108.5	-		-	-	-	-	-	-	-
OH Conductors and Devices 108.5 - - - - - - - - -	36	Station Equipment	108.5	-		-	-	-	-	-	-	-
UG Conduit	37	Poles, Towers and Fixtures	108.5	-		-	-	-	-	-	-	-
UG Conductors & Devices 108.5 -	38	OH Conductors and Devices	108.5	-		-	-	-	-	-	-	-
Line Transformers 108.5 - - - - - - - - -	39	UG Conduit	108.5	-		-	-	-	-	-	-	-
Services 108.5 41,311 36,677 4,110 513 11 0 0 0 0 0 0 0 0	40	UG Conductors & Devices	108.5	-		-	-	-	-	-	-	-
Meters 108.5 46,003 22,983 13,675 4,864 1,471 6 - 5	41	Line Transformers	108.5	-		-	-	-	-	-	-	-
Install on Cust Premises 108.5 10 9 1 0 0 0 0 0 0 0 0 0	42	Services	108.5	41,311		36,677	4,110	513	11	0	-	-
Street Light & Signal 108.5 37,190 - - - 37,190 - - -	43	Meters	108.5	46,003		25,983	13,675	4,864	1,471	6	-	5
163 42 6 560 0 0 0 0 0 0 0 0 0	44	Install on Cust Premises	108.5	10		9	1	0	0	0	0	0
Net Additions / Retirements 108.6 5,183 3,247 702 189 48 1 996 0	45	Street Light & Signal	108.5	37,190		-	-	-	-	-	37,190	-
Depreciation Reserve 108 130,468 65,916 18,488 5,729 1,571 12 38,746 6	46	General Plant	108.5	771				163	42	6	560	0
HIL OTHER RATE BASE ITEMS III. OTHER RATE BASE ITEMS Property Held for Future Use 356 219 51 14 4 0 68 0 Unamortized Debt costs 485 269 50 78 69 15 5 0 Materials and Supp / Prepay 1,044 704 128 57 36 7 112 0 Injuries & Damages Reserve	47	Net Additions / Retirements	108.6	5,183		3,247	702	189	48	1	996	0
Solid Head for Future Use 356 219 51 14 4 4 0 68 0	48	Depreciation Reserve	108	130,468		65,916	18,488	5,729	1,571	12	38,746	6
51 Property Held for Future Use 356 219 51 14 4 0 68 0 52 Unamortized Debt costs 485 269 50 78 69 15 5 0 53 Materials and Supp / Prepay 1,044 704 128 57 36 7 112 0 54 Injuries & Damages Reserve -	49											
52 Unamortized Debt costs 485 269 50 78 69 15 5 0 53 Materials and Supp / Prepay 1,044 704 128 57 36 7 112 0 54 Injuries & Damages Reserve -	50	III. OTHER RATE BASE ITEM	/IS									
53 Materials and Supp / Prepay 1,044 704 128 57 36 7 112 0 54 Injuries & Damages Reserve -	51	Property Held for Future Use		356		219	51	14	4	0	68	0
54 Injuries & Damages Reserve -<	52	Unamortized Debt costs		485		269	50	78	69	15	5	0
55 Cash Working Capital 5,183 3,494 636 282 178 36 556 2 56 Accumulated Deferred FIT (20,601) (16,706) (2,558) (540) (104) (3) (689) (0) 57 Customer Deposits (8,889) (400) (3,692) (3,778) (1,017) - (2) - 58 Net Additions / Retirements 8,768 7,110 1,089 230 44 1 293 0 59 Other Rate Base 131-283 (13,654) (5,310) (4,298) (3,657) (791) 56 344 2 60 1 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	53	Materials and Supp / Prepay		1,044		704	128	57	36	7	112	0
56 Accumulated Deferred FIT (20,601) (16,706) (2,558) (540) (104) (3) (689) (0) 57 Customer Deposits (8,889) (400) (3,692) (3,778) (1,017) - (2) - 58 Net Additions / Retirements 8,768 7,110 1,089 230 44 1 293 0 59 Other Rate Base 131-283 (13,654) (5,310) (4,298) (3,657) (791) 56 344 2 60 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	54	Injuries & Damages Reserve		-		-	-	-	-	-	-	-
57 Customer Deposits (8,889) (400) (3,692) (3,778) (1,017) - (2) - 58 Net Additions / Retirements 8,768 7,110 1,089 230 44 1 293 0 59 Other Rate Base 131-283 (13,654) (5,310) (4,298) (3,657) (791) 56 344 2 60 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	55	Cash Working Capital		5,183		3,494	636	282	178	36	556	2
58 Net Additions / Retirements 8,768 7,110 1,089 230 44 1 293 0 59 Other Rate Base 131-283 (13,654) (5,310) (4,298) (3,657) (791) 56 344 2 60 60 56,119 4,839 (1,492) (373) 69 3,104 3	56	Accumulated Deferred FIT		(20,601)		(16,706)	(2,558)	(540)	(104)	(3)	(689)	(0)
59 Other Rate Base 131-283 (13,654) (5,310) (4,298) (3,657) (791) 56 344 2 60 61 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	57	Customer Deposits		(8,889)		(400)	(3,692)	(3,778)	(1,017)	-	(2)	-
60 61 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	58	Net Additions / Retirements		8,768		7,110	1,089	230	44	1	293	0
61 TOTAL RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3	59	Other Rate Base	131-283	(13,654)		(5,310)	(4,298)	(3,657)	(791)	56	344	2
	60											
62	61	TOTAL RATE BASE	_	62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
	62		=									

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

\$26.13

\$98.96

\$1,576.03 \$101.20

\$796.92

Rate Year Ending August 31, 2019 (REV-1)

\$8.56

					Ф0.5 т	\$6.50	\$20.13	\$70.70	\$1,570.05	\$101.20	\$170.72
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
63	I. OPERATING AND MAINTE	NANCE	EXPENSES								
64	B. TRANSMISSION EXPENSE	Ξ									
65	Transmission Expense		-		-	-	-	-	-	-	-
66	Transmission Expense	-	=		-	-	=	=	-	-	=
67											
68	C. DISTRIBUTION EXPENSE										
69	Purchased Power- Borderline	555	-		-	-	-	-	-	-	-
70	Dist Oper-Supervision & Eng	580	255		85	45	16	5	0	104	0
71	Dist Oper-Load Dispatching	581	-		-	-	-	-	-	-	-
72	Dist Oper-Substations	582	-		-	-	-	-	-	-	-
73	Dist Oper-Overhead Lines	583	-		-	-	-	-	-	-	-
74	Dist Oper-Underground Lines	584	-		-	-	-	-	-	-	-
75	Dist Oper-Outdoor Lighting	585	318		-	-	-	-	-	318	-
76	Dist Oper-Electric Meters	586	1,420		802	422	150	45	0	-	0
77	Dist Oper-Cust Install	587	-		-	-	-	-	-	-	-
78	Dist Oper-Misc Expenses	588	388				50	15	0	324	0
79	Dist Oper-Rents	589	42		26	6	2	0	0	8	0
80	Dist Maint-Supervision & Eng	590	111		37	20	7	2	0	45	0
81	Dist Maint-Structures	591	-		-	-	-	-	-	-	-
82	Dist Maint-Substations	592	-		-	-	-	-	-	-	-
83	Dist Maint-Overhead Lines	593	-		-	-	-	-	-	-	-
84	Dist Maint-Underground Lines	594	-		-	-	-	-	-	-	-
85	Dist Maint-Line Transformers	595	-		-	-	-	-	-	-	-
86	Dist Maint-Outdoor Lighting	596	916		-	-	-	-	-	916	-
87	Dist Maint-Electric Meters	597	57		32	17	6	2	0	-	0
88	Oper. & Maint. Exp.	500-599	3,508		983	509	230	70	0	1,715	0
89											
90	D. CUSTOMER ACCOUNTS A	AND SER	VICE								
91	Supervision	901	707		604	69	22	4	2	6	0
92	Meter Reading Exp- Comp	902	383		216	114	40	12	0	-	0
93	Cust Recs & Coll	903	12,306		10,511	1,192	385	76	35	107	0
94	Uncollectible- Delivery	904	4,122		2,200	438	654	593	100	126	11
95	Misc Cust Acct	905	920		798	95	16	2	0	9	0
96	Customer Accts. Exp.	901-905	18,438		14,329	1,907	1,118	688	137	248	11
97	1		Ź		,	,	,				
98	Cust Service-Supervision	907	62		25	5	11	17	4	1	0
99	Cust Assistance Expenses	908	1,138		460	93	201	305	66	10	4
100	Info&Instruct Advertising Exp	9090	, <u>-</u>								
101	Cust Service-Misc Expenses	910	566				195	295	63	9	4
102	Demo & Selling Expenses	912	=								

ACADIA CENTER RIPUC Dockets No. 4770 and 4780 Exhibit AC-Settlement-2 Sheet 4 of 7

Total_Cust HSG-1C-4R(R) Tot

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Narragansett Electric Company d/b/a National Grid

Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Customer-Related Costs

\$6.54 \$8.56 \$26.13 \$98.96 \$1,576.03 \$101.20 \$796.92

Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
103	Sales-Misc Expenses	916	-								
104	Customer Serv. Exp.	_	1,766		485	99	407	616	133	20	8
105	Customer Accts. & Serv. Exp.	901-919	20,204		14,814	2,005	1,525	1,304	270	268	18

Total_Cust
HSG-1C-4R(R)
Tot
Customer

Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Cubtonie	•				Customer-Ite	aica Costs					
					\$6.54	\$8.56	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
106											
107	E. ADMINISTRATIVE AND G	ENERAI									
108	A&G-Salaries	920	987				209	54	7	717	0
109	A&G-Office Supplies	921	336				71	18	2	244	0
110	A&G-Outside Services	923	287				61	16	2	209	0
111	Property Insurance	924	279				43	11	0	225	0
112	Injuries & Damages Insurance	925	117				18	5	0	95	0
113	Employee Pensions & Benefits	926	1,298				274	71	9	943	0
114	Regulatory Comm Expenses	928	140				65	58	12	5	0
115	A&G-Misc Expenses	930200	0				0	0	0	0	0
116	A&G-Rents	931	854				180	47	6	621	0
117	A&G Maint-Gen Plant-Elec	935	11				2	1	0	8	0
118	Admin & Genl. Exp.	920-932	4,308		-	-	923	279	39	3,066	1
119	Total Operating Expenses	-	28,020		15,797	2,515	2,678	1,652	310	5,049	19
120		-									
121	II. DEPRECIATION EXPENSE	3									
122	Structures and Improvements		-		-	-	-	-	-	-	-
123	Station Equipment		-		-	-	-	-	-	_	_
124	Poles, Towers and Fixtures		-		-	-	-	-	-	-	-
125	OH Conductors and Devices		-		-	-	-	-	-	_	_
126	UG Conduit		-		-	-	-	-	-	-	-
127	UG Conductors & Devices		-		-	-	-	-	-	_	_
128	Line Transformers		-		-	-	-	-	-	_	_
129	Services		10,572		9,386	1,052	131	3	0	-	_
130	Meters		3,223		1,820	958	341	103	0	_	0
131	Install on Cust Premises		654		568	67	11	1	0	6	0
132	Street Light & Signal		476		-	-	-	-	-	476	-
133	General Plant		-		-	_	-	-	-	-	_
134	Net Additions / Retirements		653		409	88	24	6	0	126	0
135	Depreciation Expense	403	15,578		12,183	2,166	507	113	1	608	0
136	•										

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Cubtonie	•				Customer-Iter	ateu Costs					
					\$6.54	\$8.56	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
137	III. TAXES and OTHER										
138	A. GENERAL TAXES										
139	Municipal property tax	408140	3,054		2,476	379	80	15	0	102	0
140	Payroll related	408110	1,062		700	142	47	12	2	160	0
141	Other tax, Reg deferrals	408170	75		41	8	12	11	2	1	0
142	General Taxes	_	4,191		3,218	528	139	38	4	263	0
143											
144	B. FEDERAL / STATE INCOM	IE TAXES	S								
145	Income Tax Exp		(116)		(1,470)	(185)	912	976	162	(531)	19
146	Income Taxes	409-411	(116)		(1,470)	(185)	912	976	162	(531)	19
147	Total Taxes	408-411	4,074		1,748	344	1,051	1,014	166	(267)	19
148		_									
149	Interest on Customer deposits	_	132		6	55	56	15	-	0	_
150	TOTAL EXPENSES	_	47,805		29,733	5,079	4,293	2,795	476	5,390	39
151		_			(0)						
152	IV. OPERATING REVENUES	at Present	Rates								
153	Distribution charge revenue		61,558		32,853	6,534	9,772	8,859	1,497	1,886	157
154	Forfeited discounts		1,657		884	176	263	238	40	51	4
155	Rent from Utility Property		-		-	-	-	-	-	-	-
156	Misc Service Revenue		1,368		730	145	217	197	33	42	3
157	Other revenue		135		72	14	21	19	3	4	0
158	CIAC / Cost Recovery		562		379	69	31	19	4	60	0
159	M1 Revenue	_	32		17	3	5	5	1	1	0
160	Operating Revenues		65,313		34,936	6,942	10,309	9,337	1,579	2,044	166
161											
162	TOTAL EXPENSES	_	47,805		29,733	5,079	4,293	2,795	476	5,390	39
163	V. NET INCOME at Present Ra	ites _	17,508		5,203	1,863	6,016	6,543	1,103	(3,346)	127
164		_	36,148		14,801	3,075	7,380	9,306	764	940	(118)

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

No. Section No. No. Section No. N	Customic	4				Customer-Kei	ateu Costs					
SUMMARY REPORT						\$6.54	\$8.56	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Column New	Line	Account	No.	Balance	Check	Residential					Lighting	Propulsion
Other Operating Revenues	165	SUMMARY REPORT										
Total Operating Revenues 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166 Total Operating Revenues 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166 Total Operating Expenses 90,1919 20,204 14,814 2,005 1,525 1,304 270 268 18 Total Operating Expenses 28,020 15,797 2,515 2,678 1,652 310 5,049 19 Total Operating Expenses 28,020 15,797 2,515 2,678 1,652 310 5,049 19 Total Operating Expenses 403 15,578 12,183 2,166 507 113 1 608 0 Taxes Other Than Inc / Other 408 43,233 3,224 583 195 533 4 263 0 Total Income Expense 403 15,578 12,183 2,167 6,929 7,518 1,265 3,877 146 Total Operating Expenses 409-411 (116) (1,470) (185) 912 976 162 (531) 19 Total NET INCOME 17,508 56,119 4,839 (1,492) 3,733 69 3,104 3 RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 REVENUE REQUIREMENT 1,4300% 7,4300% 7,4300% 7,4300% 7,4300% 7,4300% 7,4300% 7,4300% Rate Base 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 REVENUE REQUIREMENT 1,001 566 109 149 124 26 26 0 Depreciation expense 1,5578 1,261 3,244	166	Utility Revenues	440-446	61,558		32,853	6,534	9,772	8,859	1,497	1,886	157
170 Distribution Transmission 580-599 3,508 983 509 230 70 0 1,715 0 268 18 172 Admin & General 920-932 4,308 0 0 923 279 39 3,066 1 1 1 1 1 1 1 1 1	167	Other Operating Revenues	450-456	3,755		2,083	408	537	479	82	158	8
Distribution Transmission Seventic 901-919 20,204 14,814 2,005 1,255 1,304 270 2,688 1,715	168	Total Operating Revenues		65,313		34,936	6,942	10,309	9,337	1,579	2,044	166
Customer Acctg & Service 901-919 20,204 14,814 2,005 1,525 1,304 270 268 18 17 Admin & General 920-932 4,308 0 0 0 23 279 39 3,066 1 18 18 18 18 18 19 16 16 18 19 19 19 19 19 19 19	169											
Admin & General 920-932 4,308 15,778 15,779 2,515 2,678 1,652 310 3,066 1,779	170	Distribution / Transmission	580-599	3,508		983	509	230	70	0	1,715	0
Total Operating Expenses 28,020 15,797 2,515 2,678 1,652 310 5,049 19 Total Operating Expense 403 15,578 12,183 2,166 507 113 1 608 0 Taxes Other Than Inc / Other 408 4,323 3,224 5,83 195 5,3 4 26,3 0 To Taxes Other Than Inc / Other 408 4,323 3,224 5,83 195 5,33 4 26,3 0 Total Income before Income tax 17,392 3,732 1,678 6,929 7,518 1,265 (3,877) 146 Total Income Taxes 409-411 (116) (1,470 (1,875 912 976 162 (3,371 146 127 146 147 14	171	Customer Acctg & Service	901-919	20,204		14,814	2,005	1,525	1,304	270	268	18
175 Depreciation Expense 403 15,578 12,183 2,166 507 113 1 608 0 0 0 0 0 0 0 0 0	172	Admin & General	920-932	4,308					279	39	3,066	
Page	173	Total Operating Expenses	_	28,020		15,797	2,515	2,678	1,652	310	5,049	19
Taxes Other Than Inc / Other 408 4,323 3,224 583 195 53 4 263 0.0 To loome before Income tax 17,392 3,732 1,678 6,929 7,518 1,265 3,877 146 To loome Taxes 409-411 1(16) (11470) (185) 9.21 0.0 6,543 1,103 0.346 1.02 To NET INCOME 17,508 5,203 1,863 6,016 6,543 1,103 0.346 1.02 To NET INCOME 28,129 56,119 4,839 0.1492 0.373 6.9 3,104 361,829 RATE BASE 62,269 56,119 4,839 0.1492 0.373 6.9 3,104 0.381,829 REVENUE REQUIREMENTS 7,4300%	174											
Income before Income tax	175	Depreciation Expense	403	15,578		12,183	2,166	507	113	1	608	0
NET INCOME 17,508 1,863 6,016 6,543 1,103 (3,346) 127 128	176	Taxes Other Than Inc / Other	408	4,323		3,224	583	195	53	4	263	0
NET INCOME 17,508 5,203 1,863 6,016 6,543 1,103 (3,346) 127	177	Income before Income tax	_	17,392		3,732	1,678		7,518	1,265	(3,877)	146
RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 3 3 3 3 3 3 3 3	178	Income Taxes	409-411								(531)	
RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 3 4 4	179	NET INCOME	_	17,508		5,203	1,863	6,016	6,543	1,103	(3,346)	127
Return on Rate Base 28.12% 9.27% 38.50% -403.15% -1754.99% 1593.24% -107.81% 3861.82% 183 184 REVENUE REQUIREMENTS	180		_									
REVENUE REQUIREMENTS REVENUE REQUIREMENTS Revenue at Present rates	181	RATE BASE		62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
REVENUE REQUIREMENTS Target Rate of Return 7.4300%	182	Return on Rate Base	=	28.12%		9.27%	38.50%	-403.15%	-1754.99%	1593.24%	-107.81%	3861.82%
185 Target Rate of Return 7.4300%	183											
185 Target Rate of Return 7.4300%	184	REVENUE REQUIREMENTS										
188 Operating expenses 23,898 13,597 2,077 2,024 1,059 209 4,923 9 189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 194 Target Return on Rate Base- Aft 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 190 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	185	Target Rate of Return		7.4300%		7.4300%	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%
188 Operating expenses 23,898 13,597 2,077 2,024 1,059 209 4,923 9 189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 0 196 196 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0	186	Rate Base		62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
189 Uncollectibles Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	187											
190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 193	188	Operating expenses		23,898		13,597	2,077	2,024	1,059	209	4,923	9
191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	189	Uncollectibles- Delivery		1,001		566	109	149	124	26	26	0
192 Subtotal- Operating Costs to recc 44,801 29,570 4,935 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	190	Depreciation expense		15,578		12,183	2,166	507	113	1	608	0
193 194 Target Return on Rate Base- Aftι 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	191	General taxes / Other		4,323		3,224	583	195	53	4	263	0
193 194 Target Return on Rate Base- Afti	192	Subtotal- Operating Costs to reco	· _	44,801		29,570	4,935	2,875	1,350	240	5,821	9
195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 <t< td=""><td>193</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	193											
196 197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	194	Target Return on Rate Base- Aft	;t	4,627		4,170	360	(111)	(28)	5	231	0
197 Subtotal- Rev Req before GRT 50,356 34,577 5,367 2,742 1,317 246 6,098 10 198 GRT needed 0 <	195	Income taxes to recover		929		837	72	(22)	(6)	1	46	0
198 GRT needed 0 <t< td=""><td>196</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	196											
199 TOTAL REVENUE REQ. 50,356 34,577 5,367 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	197	Subtotal- Rev Req before GRT		50,356		34,577	5,367	2,742	1,317	246	6,098	10
200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	198	GRT needed		0			0	0	0	0	0	0
201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	199	TOTAL REVENUE REQ.		50,356		34,577	5,367	2,742	1,317	246	6,098	10
	200		=			-						
202 Revenue Excess (Deficiency) 14,957 360 1,575 7,567 8,020 1,332 (4,054) 156	201	Revenue at Present rates		65,313		34,936	6,942	10,309	9,337	1,579	2,044	166
	202	Revenue Excess (Deficiency)		14,957		360	1,575	7,567	8,020	1,332	(4,054)	156

\$796.92

Total_Cust HSG-1C-4R(R) Tot

Customei

Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

\$26.13

\$98.96

\$1,576.03 \$101.20

Rate Year Ending August 31, 2019 (REV-1)

\$10.87

Customer-Related Costs

\$7.89

					Ψ7.05	φ10.07	Ψ=0.12	Ψ, σ., σ	φ1,070.00	Ψ101.20	Ψ,,,,,,
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
1	I. ELECTRIC PLANT IN SER	VICE									
2	A. HYDRO PRODUCTION P	L∤									
3	Production Plant	302	-		-	-	-	-	-	-	-
4	Hydro Production Plant		-		-	-	-	-	-	-	-
5											
6	C. TRANSMISSION PLANT										
7	Transmission Plant	361	-		-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-
9											
10	D. DISTRIBUTION PLANT										
11	Land and Land Rights	360	-		-	-	-	-	-	-	-
12	Structures and Improvements	361	-		-	-	-	-	-	-	-
13	Station Equipment	362	-		-	-	-	-	-	-	-
14	Poles, Towers and Fixtures	364	-		-	-	-	-	-	-	-
15	OH Conductors and Devices	365	-		-	-	-	-	-	-	-
16	UG Conduit	366	-		-	-	-	-	-	-	-
17	UG Conductors & Devices	367	-		-	-	-	-	-	-	-
18	Line Transformers	368	-		-	-	-	-	-	-	-
19	Services	369	107,009		95,006	10,647	1,328	27	0	-	-
20	Meters	370	57,072		32,234	16,965	6,034	1,825	7	-	7
21	Install on Cust Premises	371	120		104	12	2	0	0	1	0
22	Street Light & Signal	373	39,684		-	-	-	-	-	39,684	-
23	Electric Plant ARO	374	<u>-</u>			-	-	-	-	-	
24	Distribution Plant	360-373	203,885		127,344	27,624	7,364	1,853	8	39,685	7
25											
26	E. GENERAL PLANT										
27	Land and Land Rights	389	-		-	-	-	-	-	-	-
28	General Plant	390	2,506				530	137	18	1,821	0
29	General Plant	389-399	2,506		-	-	530	137	18	1,821	0
30											
31	TOTAL UTILITY PLANT	_	206,391		127,344	27,624	7,894	1,989	26	41,507	7
32		_									

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s) Rate Year Ending August 31, 2019 (REV-1)

					\$7.89	\$10.87	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
33	II. DEPRECIATION RESERVE	Ξ									
34	Production Plant	108.3	-		-	-	-	-	-	-	-
35	Structures and Improvements	108.5	-		-	-	-	-	-	-	-
36	Station Equipment	108.5	-		-	-	-	-	-	-	-
37	Poles, Towers and Fixtures	108.5	-		-	-	-	-	-	-	-
38	OH Conductors and Devices	108.5	-		-	-	-	-	-	-	-
39	UG Conduit	108.5	-		-	-	-	-	-	-	-
40	UG Conductors & Devices	108.5	-		-	-	-	-	-	-	-
41	Line Transformers	108.5	-		-	-	-	-	-	-	-
42	Services	108.5	41,311		36,677	4,110	513	11	0	-	-
43	Meters	108.5	46,003		25,983	13,675	4,864	1,471	6	-	5
44	Install on Cust Premises	108.5	10		9	1	0	0	0	0	0
45	Street Light & Signal	108.5	37,190		-	-	-	-	-	37,190	-
46	General Plant	108.5	771				163	42	6	560	0
47	Net Additions / Retirements	108.6	5,183		3,247	702	189	48	1	996	0
48	Depreciation Reserve	108	130,468		65,916	18,488	5,729	1,571	12	38,746	6
49											
50	III. OTHER RATE BASE ITEM	1S									
51	Property Held for Future Use		356		219	51	14	4	0	68	0
52	Unamortized Debt costs		485		269	50	78	69	15	5	0
53	Materials and Supp / Prepay		1,044		704	128	57	36	7	112	0
54	Injuries & Damages Reserve		-		-	-	-	-	-	-	-
55	Cash Working Capital		5,183		3,494	636	282	178	36	556	2
56	Accumulated Deferred FIT		(20,601)		(16,706)	(2,558)	(540)	(104)	(3)	(689)	(0)
57	Customer Deposits		(8,889)		(400)	(3,692)	(3,778)	(1,017)	_	(2)	-
58	Net Additions / Retirements		8,768		7,110	1,089	230	44	1	293	0
59	Other Rate Base	131-283	(13,654)		(5,310)	(4,298)	(3,657)	(791)	56	344	2
60											
61	TOTAL RATE BASE	_	62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
62		=			-						

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Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

\$26.13

\$98.96

\$1,576.03 \$101.20

\$796.92

Rate Year Ending August 31, 2019 (REV-1)

\$10.87

Customer-Related Costs

\$7.89

Account No. Balance Check Residentia C&l Demand Demand Demand Problishing Problems						Φ7.62	\$10.67	φ20.13	\$70.70	\$1,570.05	\$101.20	Ψ170.72
B. TRANSMISSION EXPENSE	Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
Transmission Expense	63	I. OPERATING AND MAINTE	ENANCE	EXPENSES								
C. DISTRIBUTION EXPENSE	64	B. TRANSMISSION EXPENSE	Ξ									
C. DISTRIBUTION EXPENSE Purchased Power- Borderline 555	65	Transmission Expense		-		-	-	-	-	-	-	-
C. DISTRIBUTION EXPENSE	66	Transmission Expense	-	=		-	-	=	-	-	-	-
Purchased Power- Borderline 555		a prampipiyation pyripiya										
Dist Oper-Supervision & Eng 580 255 85 45 16 5 0 104 0												
Dist Oper-Load Dispatching S81				-		-	- 45	-	-	-	104	-
Dist Oper-Substations 582 -				255		85	45	16	5	0	104	0
Dist Oper-Overhead Lines 583 -				-		-	-	-	-	-	-	-
Dist Oper-Underground Lines 584				-		-	-	-	-	-	-	-
Dist Oper-Outdoor Lighting 585 318				-		-	-	-	-	-	-	-
Dist Oper-Electric Meters 586 1,420 802 422 150 45 0 - 0 0 0 0 0 0 0 0		1 0		-		-	-	-	-	-	-	-
Dist Oper-Cust Install 587 - - - - - - - - -						-	-	-	-	-	318	-
78 Dist Oper-Misc Expenses 588 388 50 15 0 324 0 79 Dist Oper-Rents 589 42 26 6 2 0 0 8 0 80 Dist Maint-Supervision & Eng 590 111 37 20 7 2 0 45 0 81 Dist Maint-Supervision & Eng 591 -		=		1,420		802	422	150	45	0	-	0
79 Dist Oper-Rents 589 42 26 6 2 0 0 8 0 80 Dist Maint-Supervision & Eng 590 111 37 20 7 2 0 45 0 81 Dist Maint-Structures 591 -	77		587	-		-	-	-		-	-	-
80 Dist Maint-Supervision & Eng 590 111 37 20 7 2 0 45 0 81 Dist Maint-Structures 591 -	78		588									0
Dist Maint-Structures 591 - - - - - - - - -	79		589							-		-
Dist Maint-Substations 592 - - - - - - - -	80		590	111		37	20	7	2	0	45	0
Signature Sign	81	Dist Maint-Structures	591	-		-	-	-	-	-	-	-
Dist Maint-Underground Lines 594 - - - - - - - - -	82	Dist Maint-Substations	592	-		-	-	-	-	-	-	-
85 Dist Maint-Line Transformers 595 - <t< td=""><td>83</td><td>Dist Maint-Overhead Lines</td><td>593</td><td>-</td><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>	83	Dist Maint-Overhead Lines	593	-		-	-	-	-	-	-	-
86 Dist Maint-Outdoor Lighting 596 916 - - - - - - 916 - - 910 - 92 92 93	84	Dist Maint-Underground Lines	594	-		-	-	-	-	-	-	-
87 Dist Maint-Electric Meters 597 57 32 17 6 2 0 - 0 88 Oper. & Maint. Exp. 500-599 3,508 983 509 230 70 0 1,715 0 89 90 D. CUSTOMER ACCOUNTS AND SERVICE	85	Dist Maint-Line Transformers	595	-		-	-	-	-	-	-	-
88 Oper. & Maint. Exp. 500-599 3,508 983 509 230 70 0 1,715 0 89 90 D. CUSTOMER ACCOUNTS AND SERVICE	86	Dist Maint-Outdoor Lighting	596	916		-	-	-	-	-	916	-
89 90 D. CUSTOMER ACCOUNTS AND SERVICE	87	Dist Maint-Electric Meters	597	57		32	17	6	2	0	-	0
90 D. CUSTOMER ACCOUNTS AND SERVICE	88	Oper. & Maint. Exp.	500-599	3,508		983	509	230	70	0	1,715	0
	89											
01 0 11	90	D. CUSTOMER ACCOUNTS A	AND SER	VICE								
91 Supervision 901 $\frac{70}{}$ 604 69 22 4 2 6 0	91	Supervision	901	707		604	69	22	4	2	6	0
92 Meter Reading Exp- Comp 902 383 216 114 40 12 0 - 0	92	Meter Reading Exp- Comp	902	383		216	114	40	12	0	-	0
93 Cust Recs & Coll 903 12,306 10,511 1,192 385 76 35 107 0	93		903	12,306		10,511	1,192	385	76	35	107	0
94 Uncollectible- Delivery 904 4,122 2,200 438 654 593 100 126 11	94	Uncollectible- Delivery	904	4,122		2,200	438	654	593	100	126	11
95 Misc Cust Acct 905 920 798 95 16 2 0 9 0	95	•	905	920		798	95	16	2	0	9	0
96 Customer Acets. Exp. 901-905 18,438 14,329 1,907 1,118 688 137 248 11	96	Customer Accts. Exp.	901-905	18,438		14,329	1,907	1,118	688	137	248	11
97	97	•		ŕ		ŕ		•				
98 Cust Service-Supervision 907 62 25 5 11 17 4 1 0	98	Cust Service-Supervision	907	62		25	5	11	17	4	1	0
99 Cust Assistance Expenses 908 1,138 460 93 201 305 66 10 4		•	908								10	4
100 Info&Instruct Advertising Exp 9090 -		=		_								
101 Cust Service-Misc Expenses 910 566 195 295 63 9 4				566				195	295	63	9	4
102 Demo & Selling Expenses 912 -				-								

ACADIA CENTER RIPUC Dockets No. 4770 and 4780 Exhibit AC-Settlement-3 Sheet 4 of 7

Total_Cust HSG-1C-4R(R) Tot

Customei

Narragansett Electric Company d/b/a National Grid

Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Customer-Related Costs

\$7.89 \$10.87 \$26.13 \$98.96 \$1,576.03 \$101.20 \$796.92

Residential C&I C&I Demand Demand Lighting Propulsion

Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
103	Sales-Misc Expenses	916	-								
104	Customer Serv. Exp.	_	1,766		485	99	407	616	133	20	8
105	Customer Accts. & Serv. Exp.	901-919	20,204		14,814	2,005	1,525	1,304	270	268	18

Total_Cust
HSG-1C-4R(R)
Tot
Customer

Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Custome	•				Customer-Ite	aica Cosis					
					\$7.89	\$10.87	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
106											
107	E. ADMINISTRATIVE AND G	GENERAL	_								
108	A&G-Salaries	920	987				209	54	7	717	0
109	A&G-Office Supplies	921	336				71	18	2	244	0
110	A&G-Outside Services	923	287				61	16	2	209	0
111	Property Insurance	924	279				43	11	0	225	0
112	Injuries & Damages Insurance	925	493		309	67	18	5	0	95	0
113	Employee Pensions & Benefits	926	6,246		4,117	832	274	71	9	943	0
114	Regulatory Comm Expenses	928	140				65	58	12	5	0
115	A&G-Misc Expenses	930200	0				0	0	0	0	0
116	A&G-Rents	931	4,110		2,709	548	180	47	6	621	0
117	A&G Maint-Gen Plant-Elec	935	11				2	1	0	8	0
118	Admin & Genl. Exp.	920-932	12,889		7,135	1,447	923	279	39	3,066	1
119	Total Operating Expenses	_	36,601		22,931	3,961	2,678	1,652	310	5,049	19
120		_									
121	II. DEPRECIATION EXPENSE	Ξ									
122	Structures and Improvements		-		-	-	-	-	-	-	-
123	Station Equipment		-		-	-	-	-	-	-	-
124	Poles, Towers and Fixtures		-		-	-	-	-	-	-	-
125	OH Conductors and Devices		-		-	-	-	-	-	-	-
126	UG Conduit		-		-	-	-	-	-	-	-
127	UG Conductors & Devices		-		-	-	-	-	-	-	-
128	Line Transformers		-		-	-	-	-	-	-	-
129	Services		10,572		9,386	1,052	131	3	0	-	-
130	Meters		3,223		1,820	958	341	103	0	-	0
131	Install on Cust Premises		654		568	67	11	1	0	6	0
132	Street Light & Signal		476		-	-	-	-	-	476	-
133	General Plant		-		-	-	-	-	-	-	-
134	Net Additions / Retirements		653		409	88	24	6	0	126	0
135	Depreciation Expense	403	15,578		12,183	2,166	507	113	1	608	0
136	-										

Customei

Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s)

Rate Year Ending August 31, 2019 (REV-1)

Cubtonie	•				Customer-Iter	ateu Costs					
					\$7.89	\$10.87	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Line	Account	No.	Balance	Check	Residential	Small C&I	General C&I	200 kW Demand	5000 kW Demand	Lighting	Propulsion
137	III. TAXES and OTHER										
138	A. GENERAL TAXES										
139	Municipal property tax	408140	3,054		2,476	379	80	15	0	102	0
140	Payroll related	408110	1,062		700	142	47	12	2	160	0
141	Other tax, Reg deferrals	408170	75		41	8	12	11	2	1	0
142	General Taxes	_	4,191		3,218	528	139	38	4	263	0
143											
144	B. FEDERAL / STATE INCO	ME TAXES	S								
145	Income Tax Exp	_	(116)		(1,470)	(185)	912	976	162	(531)	19
146	Income Taxes	409-411	(116)		(1,470)	(185)	912	976	162	(531)	19
147	Total Taxes	408-411	4,074		1,748	344	1,051	1,014	166	(267)	19
148		_									
149	Interest on Customer deposits	_	132		6	55	56	15	-	0	_
150	TOTAL EXPENSES		56,386		36,868	6,526	4,293	2,795	476	5,390	39
151					0						
152	IV. OPERATING REVENUE	S at Present	Rates								
153	Distribution charge revenue		61,558		32,853	6,534	9,772	8,859	1,497	1,886	157
154	Forfeited discounts		1,657		884	176	263	238	40	51	4
155	Rent from Utility Property		-		-	-	-	-	-	-	-
156	Misc Service Revenue		1,368		730	145	217	197	33	42	3
157	Other revenue		135		72	14	21	19	3	4	0
158	CIAC / Cost Recovery		562		379	69	31	19	4	60	0
159	M1 Revenue	_	32		17	3	5	5	1	1	0
160	Operating Revenues	_	65,313		34,936	6,942	10,309	9,337	1,579	2,044	166
161											
162	TOTAL EXPENSES	_	56,386		36,868	6,526	4,293	2,795	476	5,390	39
163	V. NET INCOME at Present R	lates	8,927		(1,932)	416	6,016	6,543	1,103	(3,346)	127
164		_	36,148		14,801	3,075	7,380	9,306	764	940	(118)

Customei

Narragansett Electric Company d/b/a National Grid Class Cost of Service Study (\$000s) Rate Year Ending August 31, 2019 (REV-1)

No. Property Pr	Custome					Customer-Kei	attu Costs					
SUMMARY REPORT						\$7.89	\$10.87	\$26.13	\$98.96	\$1,576.03	\$101.20	\$796.92
Chillity Revenues	Line	Account	No.	Balance	Check	Residential					Lighting	Propulsion
Other Operating Revenues	165	SUMMARY REPORT										
Total Operating Revenues 6.5,313 34,936 6.942 10,309 9,337 1,579 2,044 166 Total Distribution / Transmission 580-599 3,508 983 509 230 70 0 1,715 0 Total Customer Acetge Service 901-919 20,204 14,814 2,005 1,525 1,304 270 268 18 Total Operating Expenses 36,601 22,931 3,961 2,678 1,652 310 5,049 19 Total Operating Expenses 36,601 22,931 3,961 2,678 1,652 310 5,049 19 Total Operating Expenses 403 15,578 12,183 2,166 507 113 1 608 0 Taxes Other Than Inc / Other 408 4,323 3,224 583 195 533 4 263 0 Total Income before Income tax 8,810 (3,402) 2331 6,929 7,518 1,652 (3,877) 146 Total Department of the tax 409-411 (116) (1,470) (185) 912 976 1662 (531) 19 Total NCOME 49,8927 (1,932) 416 6,016 6,543 1,103 (3,346) 127 Total RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 RATE BASE 14,34% 5,44% 5,44% 8,60% 403,15% 1754,99% 1593,24% 107,81% 3816,82% REVENUE REQUIREMENTS 1872	166	Utility Revenues	440-446	61,558		32,853	6,534	9,772	8,859	1,497	1,886	157
170 Distribution Transmission 580-59 3,508 983 509 230 70 0 1,715 0 268 18 170 268 18 27 27 27 27 27 27 28 28	167	Other Operating Revenues	450-456	3,755		2,083	408	537	479	82	158	8
Distribution Transmission Sev. 59 3.508 9.83 5.09 2.30 7.0 0.17,15 0.0 Transmission Sev. 59 0.1919 0.2024 14.814 2.005 1.525 1.304 2.70 2.68 8.18 Transmission Sev. 59 2.2891 3.961 2.678 1.652 3.10 5.049 1.715 Total Operating Expenses 36,601 2.2931 3.961 2.678 1.652 3.10 5.049 1.715 Total Operating Expenses 403 15,578 12,183 2.166 5.07 113 1.068 0.0 Taxes Other Than Inc / Other 408 4.323 3.224 5.83 1.95 5.3 4 2.63 0.0 Taxes Other Than Inc / Other 408 4.323 3.224 5.83 1.95 5.3 4 2.63 0.00 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 4.924 4.924 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 5.937 4.9304 5.934 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 5.937 4.9304 5.934 4.924 4.924 4.924 4.924 4.924 4.924 Transmission Sev. 59 5.937 4.9304 5.934 4.934 4.934 4.934 4.934 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmission Sev. 59 5.937 4.171 6.813 2.742 1.317 2.46 6.098 1.004 Transmissio	168	Total Operating Revenues	_	65,313		34,936	6,942	10,309	9,337	1,579	2,044	166
14 14 14 14 14 15 15 15	169											
Admin & General 920-932 12,889 7,135 1,447 923 279 39 3,066 1 1 1 1 1 1 1 1 1	170	Distribution / Transmission	580-599	3,508		983	509	230	70	0	1,715	0
Total Operating Expenses 36,601 22,931 3,961 2,678 1,652 310 5,049 19 Total Operating Expense 403 15,578 12,183 2,166 507 113 1 608 0 Taxes Other Than Inc / Other 408 4,323 3,224 583 195 53 4 263 0 To Taxes Other Than Inc / Other 408 4,323 3,224 583 195 53 4 263 0 To Income before Income tax 8,810 (1,470 0,185 9,12 976 162 (3,877 146 1,972 1,972 1,976 162 (3,311 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,976 1,972 1,978	171	Customer Acctg & Service	901-919	20,204		14,814	2,005	1,525	1,304	270	268	18
Part	172	Admin & General	920-932	12,889		7,135	1,447	923	279	39	3,066	1_
Page	173	Total Operating Expenses	_	36,601		22,931	3,961	2,678	1,652	310	5,049	19
Table Take Other Than Inc / Other 408 4,323 3,224 583 195 533 4 263 0 Table Income before Income tax 409-411 (116) (116) (1470) (185) 912 976 162 (531) 19 Table	174											
Income before Income tax	175	Depreciation Expense	403	15,578		12,183	2,166	507	113	1	608	0
Target Rate of Return Target Return Targ	176	Taxes Other Than Inc / Other	408	4,323		3,224	583	195	53	4	263	0
NET INCOME 8,927 (1,932) 416 6,016 6,543 1,103 (3,346) 127	177	Income before Income tax		8,810		(3,402)	231	6,929	7,518	1,265	(3,877)	146
RATE BASE 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 3 3 3 3 3 3 3 3	178	Income Taxes	409-411				(185)				\ /	
RATE BASE	179	NET INCOME	_	8,927		(1,932)	416	6,016	6,543	1,103	(3,346)	127
Return on Rate Base	180											
REVENUE REQUIREMENTS Target Rate of Return 7.4300%	181	RATE BASE	_	62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
REVENUE REQUIREMENTS Target Rate of Return 7.4300%	182	Return on Rate Base	_	14.34%		-3.44%	8.60%	-403.15%	-1754.99%	1593.24%	-107.81%	3861.82%
185 Target Rate of Return 7.4300%	183											
186 Rate Base 62,269 56,119 4,839 (1,492) (373) 69 3,104 3 187 188 Operating expenses 32,479 20,731 3,524 2,024 1,059 209 4,923 9 189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193 Target Return on Rate Base- Aft 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 <t< td=""><td>184</td><td>REVENUE REQUIREMENTS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	184	REVENUE REQUIREMENTS										
188 Operating expenses 32,479 20,731 3,524 2,024 1,059 209 4,923 9 189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afta 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 Operating Costs to recc 929 837 72 (22) (6) 1 46 0 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 190 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	185	Target Rate of Return		7.4300%		7.4300%	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%
188 Operating expenses 32,479 20,731 3,524 2,024 1,059 209 4,923 9 189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Aft 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	186	Rate Base		62,269		56,119	4,839	(1,492)	(373)	69	3,104	3
189 Uncollectibles- Delivery 1,001 566 109 149 124 26 26 0 190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193	187											
190 Depreciation expense 15,578 12,183 2,166 507 113 1 608 0 191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193	188	Operating expenses		32,479		20,731	3,524	2,024	1,059	209	4,923	9
191 General taxes / Other 4,323 3,224 583 195 53 4 263 0 192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	189	Uncollectibles- Delivery		1,001		566	109	149	124	26		0
192 Subtotal- Operating Costs to recc 53,382 36,704 6,382 2,875 1,350 240 5,821 9 193 194 Target Return on Rate Base- Afti 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	190									1		0
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194 Target Return on Rate Base- Aftı 4,627 4,170 360 (111) (28) 5 231 0 195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166		Subtotal- Operating Costs to rec	C	53,382		36,704	6,382	2,875	1,350	240	5,821	9
195 Income taxes to recover 929 837 72 (22) (6) 1 46 0 196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 <t< td=""><td>193</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	193											
196 197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 0 0 0 0 0 0 0 0 199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	194	Target Return on Rate Base- Aft	t(,		,		` /	` /			
197 Subtotal- Rev Req before GRT 58,937 41,711 6,813 2,742 1,317 246 6,098 10 198 GRT needed 0 <	195	Income taxes to recover		929		837	72	(22)	(6)	1	46	0
198 GRT needed 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
199 TOTAL REVENUE REQ. 58,937 41,711 6,813 2,742 1,317 246 6,098 10 200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166		<u>*</u>		58,937		· ·						
200 201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166	198		_									
201 Revenue at Present rates 65,313 34,936 6,942 10,309 9,337 1,579 2,044 166		TOTAL REVENUE REQ.	=	58,937		41,711	6,813	2,742	1,317	246	6,098	10
	200		_									
202 Revenue Excess (Deficiency) 6,376 (6,775) 128 7,567 8,020 1,332 (4,054) 156	201											
	202	Revenue Excess (Deficiency)	_	6,376		(6,775)	128	7,567	8,020	1,332	(4,054)	156