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January 25, 2023

VIA ELECTRONIC MAIL

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

RE: Docket No. 22-54-NG – The Narragansett Electric Company Proposed Fiscal Year 2024 Gas Infrastructure, Safety, and Reliability Plan <u>Responses to Division Data Requests – Division Set 2 (Complete Set)</u>

Dear Ms. Massaro:

I have enclosed an electronic version of The Narragansett Electric Company d/b/a Rhode Island Energy's¹ complete set of responses to the Division's Second Set of Data Requests in the above-referenced matter.²

Thank you for your attention to this matter. If you have any questions, please contact me at 401-316-7429.

Very truly yours,

In Bus Hello

Jennifer Brooks Hutchinson

Enclosure

cc: Docket 22-54-NG Service List Leo Wold, Esq. John Bell, Division Al Mancini, Division

¹ The Narragansett Electric Company d/b/a Rhode Island Energy ("Rhode Island Energy" or the "Company").

² Per communication from Commission counsel on October 4, 2021, the Company is submitting an electronic version of this filing followed by six (6) hard copies filed with the Clerk within 24 hours of the electronic filing.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

January 25, 2023 Date

No. 22-54-NG- RI Energy's Gas Infrastructure, Safety and Reliability (ISR) Plan 2024 - Service List 1/10/2023

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Request:

Please update the Company's response to Div. 1-50 based on the December filing.

Response:

Please note that the annual bill impact based on the proposed 21-month rate is provided in Section 4 (Bates pages 224 - 230, or the rate design and bill impact analysis) of the Company's December 22, 2022 filing with the Rhode Island Public Utilities Commission in the instant proceeding.

For Section 4 (Bates pages 224 – 230, or the rate design and bill impact analysis) based on the CY 2023 9-month revenue requirement, please see Attachment DIV 2-1-1. For the average residential heating customer utilizing 845 therms, the cumulative impact of the 9-Month Plan will represent an annual increase of \$157.95, or 9.2%, from current bills.

For Section 4 (pages 224 - 230, or the rate design and bill impact analysis) based on the CY 2024 12-month revenue requirement, please see Attachment DIV 2-1-2. For the average residential heating customer utilizing 845 therms, the cumulative impact of the 12-Month Plan will represent an annual decrease of (\$65.26), or -3.5%, from current bills including the impact of the CY 2023 9-Month plan.

For a monthly comparison of the 21-month bill impact analysis for the average residential heating customer utilizing 845 therms under (i) a 21-Month Plan utilizing a 21-month rate developed with the proposed FY 2024 revenue requirement and (ii) a 21-Month Plan utilizing a 9-month rate (developed with the CY 2023 9-month revenue requirement) and a 12-month rate (developed with the CY 2024 12-month revenue requirement), please see Attachment DIV 2-1-3. Please note that, as is also shown in the table below, line (22) of Attachment DIV 2-1-3 demonstrates that the 21-month cumulative bill impact to the average residential heating customer utilizing 845 therms annually under either scenario is approximately the same (with any immaterial difference due to the rounding used in both the rate design and bill impact calculations):

The Narragansett Electric Company d/b/a Rhode Island Energy In Re: Proposed FY 2024 Gas Infrastructure, Safety and Reliability Plan 21-Month Filing: Period April 2023 – December 2024 Responses to the Division's Second Set of Data Requests Issued on January 4, 2023

Division 2-1, page 2

As Proposed: 21-Month Plan (21-Month Rate) Current Bill Proposed Bill Difference (\$) Difference (%)											
Cu	rrent Bill	Pro	posed Bill	Diffe	renc	e (\$)	Differenc	e (%)			
\$	2,605.00	\$	2,774.01	\$	16	9.01		6.5%			

21-Mont	h Plan	(9-Month	Rate	and 12-	Month Rate)	
Current Bill	Propo	sed Bill	Differ	ence (\$)	Difference (%)
\$ 2,605.00	\$ 2	,774.15	\$	169.15	6.5	%

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 1 of 7

	CY 2023 (9-Month) Revenue Requirement	Rate Class	Rate Base Allocator (%)	Allocation to Rate Class (\$)	Throughput (dth)	ISR Factor (dth)	ISR Factor (therm)	Uncollectible %	ISR Factor (therm)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
(1)									
(2)	\$46,984,604	Residential Total	66.59%	\$31,287,048	9,953,270	\$3.1433	\$0.3143	1.91%	\$0.3204
(3)		Small	8.04%	\$3,777,562	1,129,822	\$3.3435	\$0.3343	1.91%	\$0.3408
(4)		Medium	12.23%	\$5,746,217	3,078,905	\$1.8663	\$0.1866	1.91%	\$0.1902
(5)		Large LL	5.57%	\$2,617,042	1,424,290	\$1.8374	\$0.1837	1.91%	\$0.1872
(6)		Large HL	2.25%	\$1,057,154	908,045	\$1.1642	\$0.1164	1.91%	\$0.1186
(7)		XL-LL	0.97%	\$455,751	692,733	\$0.6579	\$0.0657	1.91%	\$0.0669
(8)		XL-HL	4.35%	\$2,043,830	4,158,428	\$0.4914	\$0.0491	1.91%	\$0.0500
(9)		Total	100.00%	\$46,984,604	21,345,492				

(a) Line 1: 9 Months (Calendar Year 2023) Revenue Requirement (Section 3: Attachment 1, Page 1, Line 17, Column (b)):

Total Net Capital Investment Component of Revenue Requirement (9 Months (Calendar Year 2023)): \$46,984,604

(c) Docket 4770, RI 2017 Rate Case, Compliance Attachment 14 (August 16, 2018), Schedule 2, Page 1 & 2, Line 15 (Rate Class divided by Total Company)

(d) Column (a) Line 1 * Column (c)

(e) Page 2, Column (j)

(f) Column (d) / Column (e), truncated to 4 decimal places

(g) Column (d) / (Column (e)*10), truncated to 4 decimal places

(h) Docket 4770, RI 2017 Rate Case, Compliance Attachment 2 (August 16, 2018), Schedule 22, Page 7, Line 15

(i) Column (g) / (1- Column (h)), truncated to 4 decimal places

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 2 of 7

		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
(1)	Res-NH	32,722	17,627	14,729	12,134	11,633	11,842	14,932	23,404	34,731	173,753
(2)	Res-H	2,317,355	851,793	573,936	453,690	433,319	446,697	598,069	1,470,815	2,633,843	9,779,517
(3)	Small	285,844	124,997	64,421	54,187	43,242	41,803	54,616	147,547	313,165	1,129,822
(4)	Medium	667,083	324,894	238,769	169,312	160,551	164,298	206,272	436,093	711,633	3,078,905
(5)	Large LL	341,713	146,391	78,951	43,570	40,707	44,919	84,532	243,208	400,299	1,424,290
(6)	Large HL	130,842	106,321	90,157	86,340	80,386	86,450	87,945	108,040	131,565	908,045
(7)	X-Large LL	132,000	52,699	28,048	23,460	24,151	28,280	68,293	150,950	184,851	692,733
(8)	X-Large HL	506,318	459,948	423,059	419,512	430,465	433,813	445,403	494,428	545,481	4,158,428
(9)	-	4,413,877	2,084,669	1,512,071	1,262,205	1,224,455	1,258,101	1,560,062	3,074,485	4,955,567	21,345,492

Forecasted Throughput April 2023 - December 2023

Source: Company Forecast

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 3 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

(1) Difference due to: (2) Annual Proposed Current DAC Base DAC ISR EE (3) Consumption (Therms) Difference % Chg GCR LIHEAP <u>GET</u> Rates Rates (4) (5) 548 \$1,286.17 \$1,183.75 \$102.41 8.7% \$0.00 \$0.00 \$99.34 \$0.00 \$0.00 \$3.07 (6) 608 \$1,406.99 \$1,293.32 \$113.67 8.8% \$0.00 \$0.00 \$110.26 \$0.00 \$0.00 \$3.41 (7) 667 \$1,525.77 \$1,401.08 \$124.69 8.9% \$0.00 \$0.00 \$120.95 \$0.00 \$0.00 \$3.74 (8) 726 \$1,644.56 \$1,508.85 \$135.71 9.0% \$0.00 \$0.00 \$131.64 \$0.00 \$0.00 \$4.07 (9) 785 \$1,763.26 \$1,616.53 \$146.73 9.1% \$0.00 \$0.00 \$142.33 \$0.00 \$0.00 \$4.40 (10)845 \$1,884.05 \$1,726.11 \$157.95 9.2% \$0.00 \$0.00 \$153.21 \$0.00 \$0.00 \$4.74 (11) 905 \$2,004.88 \$1,835.72 \$169.15 9.2% \$0.00 \$0.00 \$164.08 \$0.00 \$0.00 \$5.07 (12) 964 \$2,123.60 \$1,943.42 \$180.18 9.3% \$0.00 \$0.00 \$174.77 \$0.00 \$0.00 \$5.41 (13) 1,023 \$2,242.37 \$2,051.14 \$191.23 9.3% \$0.00 \$0.00 \$185.49 \$0.00 \$0.00 \$5.74 (14) 1,082 \$2,361.15 \$2,158.92 \$202.23 9.4% \$0.00 \$0.00 \$196.16 \$0.00 \$0.00 \$6.07 (15)1,142 \$2,481.96 \$2,268.53 \$213.43 9.4% \$0.00 \$0.00 \$207.03 \$0.00 \$0.00 \$6.40

Residential Heating Low Income:

Residential Heating:

(16)								Difference d	ue to:			
(17)	Annual	Proposed	Current				Low Income	DAC				
(18)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(19)												
(20)	548	\$954.53	\$877.72	\$76.81	8.8%	\$0.00	(\$24.84)	\$0.00	\$99.34	\$0.00	\$0.00	\$2.30
(21)	608	\$1,044.05	\$958.80	\$85.25	8.9%	\$0.00	(\$27.56)	\$0.00	\$110.26	\$0.00	\$0.00	\$2.56
(22)	667	\$1,132.05	\$1,038.53	\$93.52	9.0%	\$0.00	(\$30.24)	\$0.00	\$120.95	\$0.00	\$0.00	\$2.81
(23)	726	\$1,220.05	\$1,118.26	\$101.78	9.1%	\$0.00	(\$32.91)	\$0.00	\$131.64	\$0.00	\$0.00	\$3.05
(24)	785	\$1,307.99	\$1,197.94	\$110.05	9.2%	\$0.00	(\$35.58)	\$0.00	\$142.33	\$0.00	\$0.00	\$3.30
(25)	845	\$1,397.51	\$1,279.05	\$118.46	9.3%	\$0.00	(\$38.30)	\$0.00	\$153.21	\$0.00	\$0.00	\$3.55
(26)	905	\$1,487.01	\$1,360.15	\$126.87	9.3%	\$0.00	(\$41.02)	\$0.00	\$164.08	\$0.00	\$0.00	\$3.81
(27)	964	\$1,574.94	\$1,439.81	\$135.13	9.4%	\$0.00	(\$43.69)	\$0.00	\$174.77	\$0.00	\$0.00	\$4.05
(28)	1,023	\$1,662.96	\$1,519.54	\$143.42	9.4%	\$0.00	(\$46.37)	\$0.00	\$185.49	\$0.00	\$0.00	\$4.30
(29)	1,082	\$1,750.96	\$1,599.29	\$151.67	9.5%	\$0.00	(\$49.04)	\$0.00	\$196.16	\$0.00	\$0.00	\$4.55
(30)	1,142	\$1,840.47	\$1,680.40	\$160.07	9.5%	\$0.00	(\$51.76)	\$0.00	\$207.03	\$0.00	\$0.00	\$4.80

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 4 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

Residential Non-Heating:

(31)								Difference du	e to:		
(32)	Annual	Proposed	Current				DA	С			
(33)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	<u>EE</u>	LIHEAP	GET
(34)											
(35)	144	\$467.40	\$440.47	\$26.93	6.1%	\$0.00	\$0.00	\$26.12	\$0.00	\$0.00	\$0.81
(36)	158	\$495.06	\$465.52	\$29.55	6.3%	\$0.00	\$0.00	\$28.66	\$0.00	\$0.00	\$0.89
(37)	172	\$522.75	\$490.58	\$32.16	6.6%	\$0.00	\$0.00	\$31.20	\$0.00	\$0.00	\$0.96
(38)	189	\$556.31	\$520.98	\$35.33	6.8%	\$0.00	\$0.00	\$34.27	\$0.00	\$0.00	\$1.06
(39)	202	\$582.00	\$544.25	\$37.75	6.9%	\$0.00	\$0.00	\$36.62	\$0.00	\$0.00	\$1.13
(40)	220	\$617.52	\$576.41	\$41.10	7.1%	\$0.00	\$0.00	\$39.87	\$0.00	\$0.00	\$1.23
(41)	238	\$653.10	\$608.61	\$44.49	7.3%	\$0.00	\$0.00	\$43.16	\$0.00	\$0.00	\$1.33
(42)	251	\$678.79	\$631.88	\$46.92	7.4%	\$0.00	\$0.00	\$45.51	\$0.00	\$0.00	\$1.41
(43)	268	\$712.34	\$662.26	\$50.07	7.6%	\$0.00	\$0.00	\$48.57	\$0.00	\$0.00	\$1.50
(44)	282	\$739.99	\$687.30	\$52.69	7.7%	\$0.00	\$0.00	\$51.11	\$0.00	\$0.00	\$1.58
(45)	297	\$769.66	\$714.17	\$55.48	7.8%	\$0.00	\$0.00	\$53.82	\$0.00	\$0.00	\$1.66

Residential Non-Heating Low Income:

(46)								Difference d	ue to:			
(47)	Annual	Proposed	Current				Low Income	DAC				
(48)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(49)												
(50)	144	\$347.89	\$327.69	\$20.20	6.2%	\$0.00	(\$6.53)	\$0.00	\$26.12	\$0.00	\$0.00	\$0.61
(51)	158	\$368.40	\$346.24	\$22.16	6.4%	\$0.00	(\$7.16)	\$0.00	\$28.66	\$0.00	\$0.00	\$0.66
(52)	172	\$388.89	\$364.77	\$24.12	6.6%	\$0.00	(\$7.80)	\$0.00	\$31.20	\$0.00	\$0.00	\$0.72
(53)	189	\$413.75	\$387.26	\$26.50	6.8%	\$0.00	(\$8.57)	\$0.00	\$34.27	\$0.00	\$0.00	\$0.79
(54)	202	\$432.79	\$404.47	\$28.31	7.0%	\$0.00	(\$9.15)	\$0.00	\$36.62	\$0.00	\$0.00	\$0.85
(55)	220	\$459.09	\$428.27	\$30.83	7.2%	\$0.00	(\$9.97)	\$0.00	\$39.87	\$0.00	\$0.00	\$0.92
(56)	238	\$485.44	\$452.07	\$33.37	7.4%	\$0.00	(\$10.79)	\$0.00	\$43.16	\$0.00	\$0.00	\$1.00
(57)	251	\$504.46	\$469.28	\$35.19	7.5%	\$0.00	(\$11.38)	\$0.00	\$45.51	\$0.00	\$0.00	\$1.06
(58)	268	\$529.33	\$491.77	\$37.55	7.6%	\$0.00	(\$12.14)	\$0.00	\$48.57	\$0.00	\$0.00	\$1.13
(59)	282	\$549.80	\$510.29	\$39.52	7.7%	\$0.00	(\$12.78)	\$0.00	\$51.11	\$0.00	\$0.00	\$1.19
(60)	297	\$571.76	\$530.15	\$41.61	7.8%	\$0.00	(\$13.46)	\$0.00	\$53.82	\$0.00	\$0.00	\$1.25

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 5 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

	C & I Small:										
(61)								Difference du	e to:		
(62)	Annual	Proposed	Current				DA	С			
(63)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET
(64)											
(65)	830	\$1,912.43	\$1,743.52	\$168.91	9.7%	\$0.00	\$0.00	\$163.84	\$0.00	\$0.00	\$5.07
(66)	919	\$2,083.21	\$1,896.18	\$187.03	9.9%	\$0.00	\$0.00	\$181.42	\$0.00	\$0.00	\$5.61
(67)	1,010	\$2,257.95	\$2,052.40	\$205.55	10.0%	\$0.00	\$0.00	\$199.38	\$0.00	\$0.00	\$6.17
(68)	1,099	\$2,428.86	\$2,205.18	\$223.68	10.1%	\$0.00	\$0.00	\$216.97	\$0.00	\$0.00	\$6.71
(69)	1,187	\$2,597.81	\$2,356.25	\$241.57	10.3%	\$0.00	\$0.00	\$234.32	\$0.00	\$0.00	\$7.25
(70)	1,277	\$2,770.55	\$2,510.67	\$259.89	10.4%	\$0.00	\$0.00	\$252.09	\$0.00	\$0.00	\$7.80
(71)	1,367	\$2,943.24	\$2,665.09	\$278.15	10.4%	\$0.00	\$0.00	\$269.81	\$0.00	\$0.00	\$8.34
(72)	1,456	\$3,114.11	\$2,817.81	\$296.30	10.5%	\$0.00	\$0.00	\$287.41	\$0.00	\$0.00	\$8.89
(73)	1,544	\$3,283.10	\$2,968.92	\$314.19	10.6%	\$0.00	\$0.00	\$304.76	\$0.00	\$0.00	\$9.43
(74)	1,635	\$3,457.83	\$3,125.11	\$332.72	10.6%	\$0.00	\$0.00	\$322.74	\$0.00	\$0.00	\$9.98
(75)	1,725	\$3,630.64	\$3,279.57	\$351.07	10.7%	\$0.00	\$0.00	\$340.54	\$0.00	\$0.00	\$10.53

C & I Medium:

(76)								Difference du	e to:		
(77)	Annual	Proposed	Current				DA	C			
(78)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(79)											
(80)	6,907	\$12,257.85	\$11,496.65	\$761.21	6.6%	\$0.00	\$0.00	\$738.37	\$0.00	\$0.00	\$22.84
(81)	7,650	\$13,462.39	\$12,619.30	\$843.08	6.7%	\$0.00	\$0.00	\$817.79	\$0.00	\$0.00	\$25.29
(82)	8,391	\$14,663.25	\$13,738.53	\$924.72	6.7%	\$0.00	\$0.00	\$896.98	\$0.00	\$0.00	\$27.74
(83)	9,136	\$15,870.91	\$14,864.07	\$1,006.85	6.8%	\$0.00	\$0.00	\$976.64	\$0.00	\$0.00	\$30.21
(84)	9,880	\$17,077.03	\$15,988.21	\$1,088.81	6.8%	\$0.00	\$0.00	\$1,056.15	\$0.00	\$0.00	\$32.66
(85)	10,623	\$18,281.58	\$17,110.86	\$1,170.72	6.8%	\$0.00	\$0.00	\$1,135.60	\$0.00	\$0.00	\$35.12
(86)	11,366	\$19,486.12	\$18,233.53	\$1,252.60	6.9%	\$0.00	\$0.00	\$1,215.02	\$0.00	\$0.00	\$37.58
(87)	12,111	\$20,693.81	\$19,359.09	\$1,334.72	6.9%	\$0.00	\$0.00	\$1,294.68	\$0.00	\$0.00	\$40.04
(88)	12,855	\$21,899.87	\$20,483.15	\$1,416.72	6.9%	\$0.00	\$0.00	\$1,374.22	\$0.00	\$0.00	\$42.50
(89)	13,596	\$23,100.78	\$21,602.41	\$1,498.37	6.9%	\$0.00	\$0.00	\$1,453.42	\$0.00	\$0.00	\$44.95
(90)	14,340	\$24,306.88	\$22,726.53	\$1,580.35	7.0%	\$0.00	\$0.00	\$1,532.94	\$0.00	\$0.00	\$47.41

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-1 Page 6 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

(91) Difference due to: (92) Annual Proposed Current DAC Base DAC ISR EE (93) Consumption (Therms) Rates Rates Difference % Chg GCR LIHEAP GET (94) (95) 37,587 \$62,337.68 \$58,423.97 \$3,913.71 6.7% \$0.00 \$0.00 \$3,796.30 \$0.00 \$0.00 \$117.41 41,634 \$68,781.79 \$64,446.70 \$4,335.08 6.7% \$0.00 \$0.00 \$4,205.03 \$0.00 \$0.00 \$130.05 (96) (97) 45,683 \$75,229.48 \$70,472.80 \$4,756.68 6.7% \$0.00 \$0.00 \$4,613.98 \$0.00 \$0.00 \$142.70 \$76,497.58 \$5,022.82 (98) 49,731 \$81,675.74 \$5,178.16 6.8% \$0.00 \$0.00 \$0.00 \$0.00 \$155.34 (99) 53,777 \$88,118.35 \$82,518.90 \$5,599.45 6.8% \$0.00 \$0.00 \$5,431.47 \$0.00 \$0.00 \$167.98 (100)57,825 \$94,564.61 \$88,543.67 \$6,020.94 6.8% \$0.00 \$0.00 \$5,840.31 \$0.00 \$0.00 \$180.63 61,873 \$101,010.85 \$94,568.41 \$6,442.44 6.8% \$0.00 \$0.00 \$6,249.17 \$0.00 \$0.00 \$193.27 (101)(102)65,920 \$107,454.91 \$100,591.09 \$6,863.82 6.8% \$0.00 \$0.00 \$6,657.91 \$0.00 \$0.00 \$205.91 \$106,614.49 \$0.00 \$218.56 (103)69,967 \$113,899.71 \$7,285.22 6.8% \$0.00 \$7,066.66 \$0.00 \$0.00 74,016 \$112,640.62 \$7,706.84 6.8% \$0.00 \$0.00 \$0.00 \$231.21 (104)\$120,347.45 \$7,475.63 \$0.00 \$126,791.54 \$118,663.32 (105)78,063 \$8,128.23 6.8% \$0.00 \$0.00 \$7,884.38 \$0.00 \$0.00 \$243.85

C & I HLF Large:

C & I LLF Large:

(106)								Difference du	e to:		
(107)	Annual	Proposed	Current				DA	С			
(108)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	<u>EE</u>	LIHEAP	GET
(109)											
(110)	41,956	\$58,420.85	\$56,751.27	\$1,669.58	2.9%	\$0.00	\$0.00	\$1,619.49	\$0.00	\$0.00	\$50.09
(111)	46,471	\$64,440.60	\$62,591.32	\$1,849.28	3.0%	\$0.00	\$0.00	\$1,793.80	\$0.00	\$0.00	\$55.48
(112)	50,991	\$70,466.46	\$68,437.33	\$2,029.12	3.0%	\$0.00	\$0.00	\$1,968.25	\$0.00	\$0.00	\$60.87
(113)	55,507	\$76,487.39	\$74,278.56	\$2,208.82	3.0%	\$0.00	\$0.00	\$2,142.56	\$0.00	\$0.00	\$66.26
(114)	60,028	\$82,514.54	\$80,125.80	\$2,388.74	3.0%	\$0.00	\$0.00	\$2,317.08	\$0.00	\$0.00	\$71.66
(115)	64,545	\$88,536.65	\$85,968.17	\$2,568.47	3.0%	\$0.00	\$0.00	\$2,491.42	\$0.00	\$0.00	\$77.05
(116)	69,062	\$94,558.91	\$91,810.67	\$2,748.25	3.0%	\$0.00	\$0.00	\$2,665.80	\$0.00	\$0.00	\$82.45
(117)	73,583	\$100,586.06	\$97,657.89	\$2,928.16	3.0%	\$0.00	\$0.00	\$2,840.32	\$0.00	\$0.00	\$87.84
(118)	78,099	\$106,606.98	\$103,499.10	\$3,107.88	3.0%	\$0.00	\$0.00	\$3,014.64	\$0.00	\$0.00	\$93.24
(119)	82,619	\$112,632.84	\$109,345.11	\$3,287.72	3.0%	\$0.00	\$0.00	\$3,189.09	\$0.00	\$0.00	\$98.63
(120)	87,137	\$118,657.15	\$115,189.63	\$3,467.53	3.0%	\$0.00	\$0.00	\$3,363.50	\$0.00	\$0.00	\$104.03

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Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

C & I LLF Extra-Large:

(121)								Difference du	e to:		
(122)	Annual	Proposed	Current				DA	AC			
(123)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(124)											
(125)	233,835	\$297,440.09	\$291,702.70	\$5,737.39	2.0%	\$0.00	\$0.00	\$5,565.27	\$0.00	\$0.00	\$172.12
(126)	259,019	\$328,806.85	\$322,451.54	\$6,355.31	2.0%	\$0.00	\$0.00	\$6,164.65	\$0.00	\$0.00	\$190.66
(127)	284,197	\$360,166.79	\$353,193.72	\$6,973.07	2.0%	\$0.00	\$0.00	\$6,763.88	\$0.00	\$0.00	\$209.19
(128)	309,381	\$391,533.56	\$383,942.56	\$7,591.00	2.0%	\$0.00	\$0.00	\$7,363.27	\$0.00	\$0.00	\$227.73
(129)	334,562	\$422,896.92	\$414,688.07	\$8,208.85	2.0%	\$0.00	\$0.00	\$7,962.58	\$0.00	\$0.00	\$246.27
(130)	359,745	\$454,262.56	\$445,435.79	\$8,826.77	2.0%	\$0.00	\$0.00	\$8,561.97	\$0.00	\$0.00	\$264.80
(131)	384,928	\$485,628.16	\$476,183.54	\$9,444.62	2.0%	\$0.00	\$0.00	\$9,161.28	\$0.00	\$0.00	\$283.34
(132)	410,110	\$516,992.66	\$506,930.16	\$10,062.49	2.0%	\$0.00	\$0.00	\$9,760.62	\$0.00	\$0.00	\$301.87
(133)	435,293	\$548,358.33	\$537,677.93	\$10,680.40	2.0%	\$0.00	\$0.00	\$10,359.99	\$0.00	\$0.00	\$320.41
(134)	460,471	\$579,718.22	\$568,420.05	\$11,298.18	2.0%	\$0.00	\$0.00	\$10,959.23	\$0.00	\$0.00	\$338.95
(135)	485,655	\$611,084.96	\$599,168.93	\$11,916.03	2.0%	\$0.00	\$0.00	\$11,558.55	\$0.00	\$0.00	\$357.48

C & I HLF Extra-Large:

(136)								Difference du	ie to:		
(137)	Annual	Proposed	Current				DA	AC			
(138)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET
(139)											
(140)	486,528	\$547,937.53	\$538,106.64	\$9,830.90	1.8%	\$0.00	\$0.00	\$9,535.97	\$0.00	\$0.00	\$294.93
(141)	538,924	\$606,280.02	\$595,390.42	\$10,889.60	1.8%	\$0.00	\$0.00	\$10,562.91	\$0.00	\$0.00	\$326.69
(142)	591,320	\$664,621.72	\$652,673.41	\$11,948.31	1.8%	\$0.00	\$0.00	\$11,589.86	\$0.00	\$0.00	\$358.45
(143)	643,718	\$722,966.24	\$709,959.16	\$13,007.07	1.8%	\$0.00	\$0.00	\$12,616.86	\$0.00	\$0.00	\$390.21
(144)	696,109	\$781,302.77	\$767,237.06	\$14,065.70	1.8%	\$0.00	\$0.00	\$13,643.73	\$0.00	\$0.00	\$421.97
(145)	748,506	\$839,646.32	\$824,521.86	\$15,124.45	1.8%	\$0.00	\$0.00	\$14,670.72	\$0.00	\$0.00	\$453.73
(146)	800,903	\$897,989.81	\$881,806.60	\$16,183.21	1.8%	\$0.00	\$0.00	\$15,697.71	\$0.00	\$0.00	\$485.50
(147)	853,294	\$956,326.31	\$939,084.49	\$17,241.81	1.8%	\$0.00	\$0.00	\$16,724.56	\$0.00	\$0.00	\$517.25
(148)	905,692	\$1,014,670.86	\$996,370.29	\$18,300.58	1.8%	\$0.00	\$0.00	\$17,751.56	\$0.00	\$0.00	\$549.02
(149)	958,088	\$1,073,012.56	\$1,053,653.25	\$19,359.31	1.8%	\$0.00	\$0.00	\$18,778.53	\$0.00	\$0.00	\$580.78
(150)	1,010,485	\$1,131,356.06	\$1,110,937.99	\$20,418.07	1.8%	\$0.00	\$0.00	\$19,805.53	\$0.00	\$0.00	\$612.54

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-2 Page 1 of 7

	CY 2024 (12-Month) Revenue Requirement	Rate Class	Rate Base Allocator (%)	Allocation to Rate Class (\$)	Throughput (dth)	ISR Factor (dth)	ISR Factor (therm)	Uncollectible %	ISR Factor (therm)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
(1)									
(2)	\$75,244,391	Residential Total	66.59%	\$50,105,240	20,791,680	\$2.4098	\$0.2409	1.91%	\$0.2455
(3)		Small	8.04%	\$6,049,649	2,538,052	\$2.3835	\$0.2383	1.91%	\$0.2429
(4)		Medium	12.23%	\$9,202,389	5,955,833	\$1.5451	\$0.1545	1.91%	\$0.1575
(5)		Large LL	5.57%	\$4,191,113	2,938,628	\$1.4262	\$0.1426	1.91%	\$0.1453
(6)		Large HL	2.25%	\$1,692,999	1,402,100	\$1.2074	\$0.1207	1.91%	\$0.1230
(7)		XL-LL	0.97%	\$729,871	1,298,338	\$0.5621	\$0.0562	1.91%	\$0.0572
(8)		XL-HL	4.35%	\$3,273,131	5,870,278	\$0.5575	\$0.0557	1.91%	\$0.0567
(9)		Total	100.00%	\$75,244,391	40,794,909				

(a) Line 1: 12 Months (Calendar Year 2024) Revenue Requirement (Section 3: Attachment 1, Page 1, Line 17, Column (c)):

Total Net Capital Investment Component of Revenue Requirement (12 Months (Calendar Year 2024)): \$75,244,391

(c) Docket 4770, RI 2017 Rate Case, Compliance Attachment 14 (August 16, 2018), Schedule 2, Page 1 & 2, Line 15 (Rate Class divided by Total Company)

(d) Column (a) Line 1 * Column (c)

(e) Page 2, Column (m)

(f) Column (d) / Column (e), truncated to 4 decimal places

(g) Column (d) / (Column (e)*10), truncated to 4 decimal places

(h) Docket 4770, RI 2017 Rate Case, Compliance Attachment 2 (August 16, 2018), Schedule 22, Page 7, Line 15

(i) Column (g) / (1- Column (h)), truncated to 4 decimal places

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Forecasted Throughput January 2024 - December 2024

		Jan-24 (a)	Feb-24 (b)	Mar-24 (c)	Apr-24 (d)	May-24 (e)	Jun-24 (f)	Jul-24 (g)	Aug-24 (h)	Sep-24 (i)	Oct-24 (j)	Nov-24 (k)	Dec-24	Total (m)
(1)	Res-NH	43,448	47,295	38,266	31,196	16,815	13,747	11,279	10,809	11,015	13,974	22,390	33,227	293,462
(2)	Res-H	3,549,689	3,971,935	3,065,501	2,349,331	863,518	581,746	459,826	439,149	452,699	606,221	1,490,373	2,668,228	20,498,217
(3)	Small	449,257	540,931	407,327	289,224	126,889	64,893	54,552	43,510	42,044	54,914	148,943	315,569	2,538,052
(4)	Medium	913,591	1,030,866	832,596	682,836	337,321	248,386	178,318	169,413	173,115	214,908	448,585	725,898	5,955,833
(5)	Large LL	512,504	555,075	433,286	345,753	148,606	79,530	43,863	40,960	45,179	84,994	245,509	403,372	2,938,628
(6)	Large HL	154,028	167,116	153,378	134,268	109,569	93,550	89,718	81,602	87,678	89,120	109,228	132,845	1,402,100
(7)	X-Large LL	222,248	205,311	171,792	133,561	53,497	28,254	23,618	24,301	28,443	68,666	152,378	186,269	1,298,338
(8)	X-Large HL	577,956	579,793	544,481	507,341	460,953	424,183	420,597	431,578	434,914	446,472	495,427	546,583	5,870,278
(9)		6,422,720	7,098,322	5,646,626	4,473,510	2,117,167	1,534,289	1,281,772	1,241,321	1,275,087	1,579,269	3,112,833	5,011,991	40,794,909

Source: Company Forecast

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-2 Page 3 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

Residential Heating:

(1)				Difference due to:								
(2)	Annual	Proposed	Current				DA	С				
(3)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET	
(4)												
(5)	548	\$1,243.85	\$1,286.17	(\$42.32)	-3.3%	\$0.00	\$0.00	(\$41.05)	\$0.00	\$0.00	(\$1.27)	
(6)	608	\$1,360.01	\$1,406.99	(\$46.98)	-3.3%	\$0.00	\$0.00	(\$45.57)	\$0.00	\$0.00	(\$1.41)	
(7)	667	\$1,474.25	\$1,525.77	(\$51.53)	-3.4%	\$0.00	\$0.00	(\$49.98)	\$0.00	\$0.00	(\$1.55)	
(8)	726	\$1,588.47	\$1,644.56	(\$56.09)	-3.4%	\$0.00	\$0.00	(\$54.41)	\$0.00	\$0.00	(\$1.68)	
(9)	785	\$1,702.62	\$1,763.26	(\$60.64)	-3.4%	\$0.00	\$0.00	(\$58.82)	\$0.00	\$0.00	(\$1.82)	
(10)	845	\$1,818.80	\$1,884.05	(\$65.26)	-3.5%	\$0.00	\$0.00	(\$63.30)	\$0.00	\$0.00	(\$1.96)	
(11)	905	\$1,934.99	\$2,004.88	(\$69.89)	-3.5%	\$0.00	\$0.00	(\$67.79)	\$0.00	\$0.00	(\$2.10)	
(12)	964	\$2,049.17	\$2,123.60	(\$74.42)	-3.5%	\$0.00	\$0.00	(\$72.19)	\$0.00	\$0.00	(\$2.23)	
(13)	1,023	\$2,163.38	\$2,242.37	(\$78.99)	-3.5%	\$0.00	\$0.00	(\$76.62)	\$0.00	\$0.00	(\$2.37)	
(14)	1,082	\$2,277.61	\$2,361.15	(\$83.54)	-3.5%	\$0.00	\$0.00	(\$81.03)	\$0.00	\$0.00	(\$2.51)	
(15)	1,142	\$2,393.78	\$2,481.96	(\$88.19)	-3.6%	\$0.00	\$0.00	(\$85.54)	\$0.00	\$0.00	(\$2.65)	

Residential Heating Low Income:

(16)								ue to:				
(17)	Annual	Proposed	Current				Low Income	DAC				
(18)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(19)												
(20)	548	\$922.79	\$954.53	(\$31.74)	-3.3%	\$0.00	\$10.26	\$0.00	(\$41.05)	\$0.00	\$0.00	(\$0.95)
(21)	608	\$1,008.81	\$1,044.05	(\$35.23)	-3.4%	\$0.00	\$11.39	\$0.00	(\$45.57)	\$0.00	\$0.00	(\$1.06)
(22)	667	\$1,093.41	\$1,132.05	(\$38.64)	-3.4%	\$0.00	\$12.49	\$0.00	(\$49.98)	\$0.00	\$0.00	(\$1.16)
(23)	726	\$1,177.98	\$1,220.05	(\$42.07)	-3.4%	\$0.00	\$13.60	\$0.00	(\$54.41)	\$0.00	\$0.00	(\$1.26)
(24)	785	\$1,262.51	\$1,307.99	(\$45.48)	-3.5%	\$0.00	\$14.71	\$0.00	(\$58.82)	\$0.00	\$0.00	(\$1.36)
(25)	845	\$1,348.56	\$1,397.51	(\$48.94)	-3.5%	\$0.00	\$15.83	\$0.00	(\$63.30)	\$0.00	\$0.00	(\$1.47)
(26)	905	\$1,434.60	\$1,487.01	(\$52.41)	-3.5%	\$0.00	\$16.95	\$0.00	(\$67.79)	\$0.00	\$0.00	(\$1.57)
(27)	964	\$1,519.13	\$1,574.94	(\$55.82)	-3.5%	\$0.00	\$18.05	\$0.00	(\$72.19)	\$0.00	\$0.00	(\$1.67)
(28)	1,023	\$1,603.71	\$1,662.96	(\$59.24)	-3.6%	\$0.00	\$19.16	\$0.00	(\$76.62)	\$0.00	\$0.00	(\$1.78)
(29)	1,082	\$1,688.31	\$1,750.96	(\$62.65)	-3.6%	\$0.00	\$20.26	\$0.00	(\$81.03)	\$0.00	\$0.00	(\$1.88)
(30)	1,142	\$1,774.33	\$1,840.47	(\$66.14)	-3.6%	\$0.00	\$21.39	\$0.00	(\$85.54)	\$0.00	\$0.00	(\$1.98)

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Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

Residential Non-Heating:

(31)				Difference due to:								
(32)	Annual	Proposed	Current				DA	C				
(33)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET	
(34)												
(35)	144	\$456.30	\$467.40	(\$11.10)	-2.4%	\$0.00	\$0.00	(\$10.77)	\$0.00	\$0.00	(\$0.33)	
(36)	158	\$482.85	\$495.06	(\$12.22)	-2.5%	\$0.00	\$0.00	(\$11.85)	\$0.00	\$0.00	(\$0.37)	
(37)	172	\$509.48	\$522.75	(\$13.27)	-2.5%	\$0.00	\$0.00	(\$12.87)	\$0.00	\$0.00	(\$0.40)	
(38)	189	\$541.71	\$556.31	(\$14.60)	-2.6%	\$0.00	\$0.00	(\$14.16)	\$0.00	\$0.00	(\$0.44)	
(39)	202	\$566.40	\$582.00	(\$15.60)	-2.7%	\$0.00	\$0.00	(\$15.13)	\$0.00	\$0.00	(\$0.47)	
(40)	220	\$600.55	\$617.52	(\$16.97)	-2.7%	\$0.00	\$0.00	(\$16.46)	\$0.00	\$0.00	(\$0.51)	
(41)	238	\$634.73	\$653.10	(\$18.37)	-2.8%	\$0.00	\$0.00	(\$17.82)	\$0.00	\$0.00	(\$0.55)	
(42)	251	\$659.45	\$678.79	(\$19.34)	-2.8%	\$0.00	\$0.00	(\$18.76)	\$0.00	\$0.00	(\$0.58)	
(43)	268	\$691.67	\$712.34	(\$20.67)	-2.9%	\$0.00	\$0.00	(\$20.05)	\$0.00	\$0.00	(\$0.62)	
(44)	282	\$718.23	\$739.99	(\$21.76)	-2.9%	\$0.00	\$0.00	(\$21.11)	\$0.00	\$0.00	(\$0.65)	
(45)	297	\$746.75	\$769.66	(\$22.91)	-3.0%	\$0.00	\$0.00	(\$22.22)	\$0.00	\$0.00	(\$0.69)	

Residential Non-Heating Low Income:

(46)								ue to:				
(47)	Annual	Proposed	Current				Low Income	DAC				
(48)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(49)												
(50)	144	\$339.56	\$347.89	(\$8.33)	-2.4%	\$0.00	\$2.69	\$0.00	(\$10.77)	\$0.00	\$0.00	(\$0.25)
(51)	158	\$359.24	\$368.40	(\$9.16)	-2.5%	\$0.00	\$2.96	\$0.00	(\$11.85)	\$0.00	\$0.00	(\$0.27)
(52)	172	\$378.94	\$388.89	(\$9.95)	-2.6%	\$0.00	\$3.22	\$0.00	(\$12.87)	\$0.00	\$0.00	(\$0.30)
(53)	189	\$402.80	\$413.75	(\$10.95)	-2.6%	\$0.00	\$3.54	\$0.00	(\$14.16)	\$0.00	\$0.00	(\$0.33)
(54)	202	\$421.09	\$432.79	(\$11.70)	-2.7%	\$0.00	\$3.78	\$0.00	(\$15.13)	\$0.00	\$0.00	(\$0.35)
(55)	220	\$446.37	\$459.09	(\$12.73)	-2.8%	\$0.00	\$4.12	\$0.00	(\$16.46)	\$0.00	\$0.00	(\$0.38)
(56)	238	\$471.67	\$485.44	(\$13.78)	-2.8%	\$0.00	\$4.46	\$0.00	(\$17.82)	\$0.00	\$0.00	(\$0.41)
(57)	251	\$489.96	\$504.46	(\$14.51)	-2.9%	\$0.00	\$4.69	\$0.00	(\$18.76)	\$0.00	\$0.00	(\$0.44)
(58)	268	\$513.82	\$529.33	(\$15.50)	-2.9%	\$0.00	\$5.01	\$0.00	(\$20.05)	\$0.00	\$0.00	(\$0.47)
(59)	282	\$533.48	\$549.80	(\$16.32)	-3.0%	\$0.00	\$5.28	\$0.00	(\$21.11)	\$0.00	\$0.00	(\$0.49)
(60)	297	\$554.58	\$571.76	(\$17.18)	-3.0%	\$0.00	\$5.56	\$0.00	(\$22.22)	\$0.00	\$0.00	(\$0.52)

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Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

	C & I Small:										
(61)								Difference du	e to:		
(62)	Annual	Proposed	Current				DA	C			
(63)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET
(64)											
(65)	830	\$1,828.66	\$1,912.43	(\$83.76)	-4.4%	\$0.00	\$0.00	(\$81.25)	\$0.00	\$0.00	(\$2.51)
(66)	919	\$1,990.48	\$2,083.21	(\$92.73)	-4.5%	\$0.00	\$0.00	(\$89.95)	\$0.00	\$0.00	(\$2.78)
(67)	1,010	\$2,156.03	\$2,257.95	(\$101.92)	-4.5%	\$0.00	\$0.00	(\$98.86)	\$0.00	\$0.00	(\$3.06)
(68)	1,099	\$2,317.92	\$2,428.86	(\$110.94)	-4.6%	\$0.00	\$0.00	(\$107.61)	\$0.00	\$0.00	(\$3.33)
(69)	1,187	\$2,478.00	\$2,597.81	(\$119.81)	-4.6%	\$0.00	\$0.00	(\$116.22)	\$0.00	\$0.00	(\$3.59)
(70)	1,277	\$2,641.68	\$2,770.55	(\$128.88)	-4.7%	\$0.00	\$0.00	(\$125.01)	\$0.00	\$0.00	(\$3.87)
(71)	1,367	\$2,805.29	\$2,943.24	(\$137.95)	-4.7%	\$0.00	\$0.00	(\$133.81)	\$0.00	\$0.00	(\$4.14)
(72)	1,456	\$2,967.16	\$3,114.11	(\$146.95)	-4.7%	\$0.00	\$0.00	(\$142.54)	\$0.00	\$0.00	(\$4.41)
(73)	1,544	\$3,127.30	\$3,283.10	(\$155.80)	-4.7%	\$0.00	\$0.00	(\$151.13)	\$0.00	\$0.00	(\$4.67)
(74)	1,635	\$3,292.82	\$3,457.83	(\$165.01)	-4.8%	\$0.00	\$0.00	(\$160.06)	\$0.00	\$0.00	(\$4.95)
(75)	1,725	\$3,456.54	\$3,630.64	(\$174.10)	-4.8%	\$0.00	\$0.00	(\$168.88)	\$0.00	\$0.00	(\$5.22)

C & I Medium:

(76)				Difference due to:									
(77)	Annual	Proposed	Current				DA	С					
(78)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET		
(79)													
(80)	6,907	\$12,025.02	\$12,257.85	(\$232.84)	-1.9%	\$0.00	\$0.00	(\$225.85)	\$0.00	\$0.00	(\$6.99)		
(81)	7,650	\$13,204.52	\$13,462.39	(\$257.87)	-1.9%	\$0.00	\$0.00	(\$250.13)	\$0.00	\$0.00	(\$7.74)		
(82)	8,391	\$14,380.41	\$14,663.25	(\$282.85)	-1.9%	\$0.00	\$0.00	(\$274.36)	\$0.00	\$0.00	(\$8.49)		
(83)	9,136	\$15,562.95	\$15,870.91	(\$307.96)	-1.9%	\$0.00	\$0.00	(\$298.72)	\$0.00	\$0.00	(\$9.24)		
(84)	9,880	\$16,744.01	\$17,077.03	(\$333.02)	-2.0%	\$0.00	\$0.00	(\$323.03)	\$0.00	\$0.00	(\$9.99)		
(85)	10,623	\$17,923.47	\$18,281.58	(\$358.11)	-2.0%	\$0.00	\$0.00	(\$347.37)	\$0.00	\$0.00	(\$10.74)		
(86)	11,366	\$19,103.01	\$19,486.12	(\$383.11)	-2.0%	\$0.00	\$0.00	(\$371.62)	\$0.00	\$0.00	(\$11.49)		
(87)	12,111	\$20,285.56	\$20,693.81	(\$408.25)	-2.0%	\$0.00	\$0.00	(\$396.00)	\$0.00	\$0.00	(\$12.25)		
(88)	12,855	\$21,466.52	\$21,899.87	(\$433.35)	-2.0%	\$0.00	\$0.00	(\$420.35)	\$0.00	\$0.00	(\$13.00)		
(89)	13,596	\$22,642.44	\$23,100.78	(\$458.34)	-2.0%	\$0.00	\$0.00	(\$444.59)	\$0.00	\$0.00	(\$13.75)		
(90)	14,340	\$23,823.46	\$24,306.88	(\$483.42)	-2.0%	\$0.00	\$0.00	(\$468.92)	\$0.00	\$0.00	(\$14.50)		

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-2 Page 6 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

(91)								Difference du	e to:		
(92)	Annual	Proposed	Current			-	DA	AC			
(93)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET
(94)											
(95)	37,587	\$60,714.07	\$62,337.68	(\$1,623.61)	-2.6%	\$0.00	\$0.00	(\$1,574.90)	\$0.00	\$0.00	(\$48.71)
(96)	41,634	\$66,983.35	\$68,781.79	(\$1,798.43)	-2.6%	\$0.00	\$0.00	(\$1,744.48)	\$0.00	\$0.00	(\$53.95)
(97)	45,683	\$73,256.16	\$75,229.48	(\$1,973.32)	-2.6%	\$0.00	\$0.00	(\$1,914.12)	\$0.00	\$0.00	(\$59.20)
(98)	49,731	\$79,527.57	\$81,675.74	(\$2,148.18)	-2.6%	\$0.00	\$0.00	(\$2,083.73)	\$0.00	\$0.00	(\$64.45)
(99)	53,777	\$85,795.42	\$88,118.35	(\$2,322.94)	-2.6%	\$0.00	\$0.00	(\$2,253.25)	\$0.00	\$0.00	(\$69.69)
(100)	57,825	\$92,066.80	\$94,564.61	(\$2,497.80)	-2.6%	\$0.00	\$0.00	(\$2,422.87)	\$0.00	\$0.00	(\$74.93)
(101)	61,873	\$98,338.20	\$101,010.85	(\$2,672.65)	-2.6%	\$0.00	\$0.00	(\$2,592.47)	\$0.00	\$0.00	(\$80.18)
(102)	65,920	\$104,607.45	\$107,454.91	(\$2,847.46)	-2.6%	\$0.00	\$0.00	(\$2,762.04)	\$0.00	\$0.00	(\$85.42)
(103)	69,967	\$110,877.44	\$113,899.71	(\$3,022.27)	-2.7%	\$0.00	\$0.00	(\$2,931.60)	\$0.00	\$0.00	(\$90.67)
(104)	74,016	\$117,150.27	\$120,347.45	(\$3,197.19)	-2.7%	\$0.00	\$0.00	(\$3,101.27)	\$0.00	\$0.00	(\$95.92)
(105)	78,063	\$123,419.55	\$126,791.54	(\$3,371.99)	-2.7%	\$0.00	\$0.00	(\$3,270.83)	\$0.00	\$0.00	(\$101.16)

C & I HLF Large:

C & I LLF Large:

(106)								Difference du	ie to:		
(107)	Annual	Proposed	Current				DA	C			
(108)	Consumption (Therms)	Rates	Rates	Difference	<u>% Chg</u>	GCR	Base DAC	ISR	EE	LIHEAP	GET
(109)											
(110)	41,956	\$58,611.17	\$58,420.85	\$190.32	0.3%	\$0.00	\$0.00	\$184.61	\$0.00	\$0.00	\$5.71
(111)	46,471	\$64,651.38	\$64,440.60	\$210.78	0.3%	\$0.00	\$0.00	\$204.46	\$0.00	\$0.00	\$6.32
(112)	50,991	\$70,697.78	\$70,466.46	\$231.32	0.3%	\$0.00	\$0.00	\$224.38	\$0.00	\$0.00	\$6.94
(113)	55,507	\$76,739.18	\$76,487.39	\$251.79	0.3%	\$0.00	\$0.00	\$244.24	\$0.00	\$0.00	\$7.55
(114)	60,028	\$82,786.84	\$82,514.54	\$272.30	0.3%	\$0.00	\$0.00	\$264.13	\$0.00	\$0.00	\$8.17
(115)	64,545	\$88,829.45	\$88,536.65	\$292.80	0.3%	\$0.00	\$0.00	\$284.02	\$0.00	\$0.00	\$8.78
(116)	69,062	\$94,872.18	\$94,558.91	\$313.27	0.3%	\$0.00	\$0.00	\$303.87	\$0.00	\$0.00	\$9.40
(117)	73,583	\$100,919.82	\$100,586.06	\$333.76	0.3%	\$0.00	\$0.00	\$323.75	\$0.00	\$0.00	\$10.01
(118)	78,099	\$106,961.23	\$106,606.98	\$354.25	0.3%	\$0.00	\$0.00	\$343.62	\$0.00	\$0.00	\$10.63
(119)	82,619	\$113,007.62	\$112,632.84	\$374.78	0.3%	\$0.00	\$0.00	\$363.54	\$0.00	\$0.00	\$11.24
(120)	87,137	\$119,052.40	\$118,657.15	\$395.25	0.3%	\$0.00	\$0.00	\$383.39	\$0.00	\$0.00	\$11.86

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG 21-Month Gas Infrastructure, Safety, and Reliability Plan Filing Attachment DIV 2-1-2 Page 7 of 7

Rhode Island Energy Infrastructure, Safety, and Reliability (ISR) Filing Bill Impact Analysis with Various Levels of Consumption:

C & I LLF Extra-Large:

(121)								Difference du	e to:		
(122)	Annual	Proposed	Current				DA	AC			
(123)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(124)											
(125)	233,835	\$295,101.75	\$297,440.09	(\$2,338.34)	-0.8%	\$0.00	\$0.00	(\$2,268.19)	\$0.00	\$0.00	(\$70.15)
(126)	259,019	\$326,216.66	\$328,806.85	(\$2,590.20)	-0.8%	\$0.00	\$0.00	(\$2,512.49)	\$0.00	\$0.00	(\$77.71)
(127)	284,197	\$357,324.82	\$360,166.79	(\$2,841.97)	-0.8%	\$0.00	\$0.00	(\$2,756.71)	\$0.00	\$0.00	(\$85.26)
(128)	309,381	\$388,439.75	\$391,533.56	(\$3,093.81)	-0.8%	\$0.00	\$0.00	(\$3,001.00)	\$0.00	\$0.00	(\$92.81)
(129)	334,562	\$419,551.28	\$422,896.92	(\$3,345.64)	-0.8%	\$0.00	\$0.00	(\$3,245.27)	\$0.00	\$0.00	(\$100.37)
(130)	359,745	\$450,665.12	\$454,262.56	(\$3,597.44)	-0.8%	\$0.00	\$0.00	(\$3,489.52)	\$0.00	\$0.00	(\$107.92)
(131)	384,928	\$481,778.89	\$485,628.16	(\$3,849.27)	-0.8%	\$0.00	\$0.00	(\$3,733.79)	\$0.00	\$0.00	(\$115.48)
(132)	410,110	\$512,891.55	\$516,992.66	(\$4,101.10)	-0.8%	\$0.00	\$0.00	(\$3,978.07)	\$0.00	\$0.00	(\$123.03)
(133)	435,293	\$544,005.38	\$548,358.33	(\$4,352.96)	-0.8%	\$0.00	\$0.00	(\$4,222.37)	\$0.00	\$0.00	(\$130.59)
(134)	460,471	\$575,113.50	\$579,718.22	(\$4,604.72)	-0.8%	\$0.00	\$0.00	(\$4,466.58)	\$0.00	\$0.00	(\$138.14)
(135)	485,655	\$606,228.44	\$611,084.96	(\$4,856.53)	-0.8%	\$0.00	\$0.00	(\$4,710.83)	\$0.00	\$0.00	(\$145.70)

C & I HLF Extra-Large:

(136)								Difference du	ie to:		
(137)	Annual	Proposed	Current				DA	AC			
(138)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(139)											
(140)	486,528	\$551,298.10	\$547,937.53	\$3,360.57	0.6%	\$0.00	\$0.00	\$3,259.75	\$0.00	\$0.00	\$100.82
(141)	538,924	\$610,002.47	\$606,280.02	\$3,722.45	0.6%	\$0.00	\$0.00	\$3,610.78	\$0.00	\$0.00	\$111.67
(142)	591,320	\$668,706.09	\$664,621.72	\$4,084.37	0.6%	\$0.00	\$0.00	\$3,961.84	\$0.00	\$0.00	\$122.53
(143)	643,718	\$727,412.55	\$722,966.24	\$4,446.31	0.6%	\$0.00	\$0.00	\$4,312.92	\$0.00	\$0.00	\$133.39
(144)	696,109	\$786,110.95	\$781,302.77	\$4,808.19	0.6%	\$0.00	\$0.00	\$4,663.94	\$0.00	\$0.00	\$144.25
(145)	748,506	\$844,816.41	\$839,646.32	\$5,170.09	0.6%	\$0.00	\$0.00	\$5,014.99	\$0.00	\$0.00	\$155.10
(146)	800,903	\$903,521.81	\$897,989.81	\$5,532.00	0.6%	\$0.00	\$0.00	\$5,366.04	\$0.00	\$0.00	\$165.96
(147)	853,294	\$962,220.19	\$956,326.31	\$5,893.89	0.6%	\$0.00	\$0.00	\$5,717.07	\$0.00	\$0.00	\$176.82
(148)	905,692	\$1,020,926.67	\$1,014,670.86	\$6,255.80	0.6%	\$0.00	\$0.00	\$6,068.13	\$0.00	\$0.00	\$187.67
(149)	958,088	\$1,079,630.30	\$1,073,012.56	\$6,617.73	0.6%	\$0.00	\$0.00	\$6,419.20	\$0.00	\$0.00	\$198.53
(150)	1,010,485	\$1,138,335.71	\$1,131,356.06	\$6,979.65	0.6%	\$0.00	\$0.00	\$6,770.26	\$0.00	\$0.00	\$209.39

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 22-54-NG Gas Infrastructure, Safety, and Reliability Plan FY 2024 Attachment DIV 2-1-3 Page 1 of 1

I. 845 Therm Average Residential Heating Customer: 21-Month Bill Impact Analysis

	(A)			-	(C)	-	(D)	(E)
					I-Month Plan			
	Month-Year	C	urrent Bill	Pr	oposed Bill	Di	ifference (\$)	Difference (%)
(1)	Apr-23	\$	186.20	\$	198.73	\$	12.53	6.7%
(2)	May-23	\$	105.76	\$	112.64	\$	6.88	6.5%
(3)	Jun-23	\$	64.94	\$	68.71	\$	3.77	5.8%
(4)	Jul-23	\$	50.74	\$	53.44	\$	2.70	5.3%
(5)	Aug-23	\$	47.20	\$	49.63	\$	2.43	5.2%
(6)	Sep-23	\$	48.96	\$	51.53	\$	2.57	5.2%
(7)	Oct-23	\$	57.84	\$	61.07	\$	3.24	5.6%
(8)	Nov-23	\$	114.51	\$	121.79	\$	7.28	6.4%
(9)	Dec-23	\$	202.75	\$	216.49	\$	13.74	6.8%
(10)	Jan-24	\$	278.11	\$	297.37	\$	19.27	6.9%
(11)	Feb-24	\$	303.86	\$	325.02	\$	21.15	7.0%
(12)	Mar-24	\$	265.25	\$	283.57	\$	18.32	6.9%
(13)	Apr-24	\$	186.20	\$	198.73	\$	12.53	6.7%
(14)	May-24	\$	105.76	\$	112.64	\$	6.88	6.5%
(15)	Jun-24	\$	64.94	\$	68.71	\$	3.77	5.8%
(16)	Jul-24	\$	50.74	\$	53.44	\$	2.70	5.3%
(17)	Aug-24	\$	47.20	\$	49.63	\$	2.43	5.2%
(18)	Sep-24	\$	48.96	\$	51.53	\$	2.57	5.2%
(19)	Oct-24	\$	57.84	\$	61.07	\$	3.24	5.6%
(20)	Nov-24	\$	114.51	\$	121.79	\$	7.28	6.4%
(21)	Dec-24	\$	202.75	\$	216.49	\$	13.74	6.8%
(22)	Total	\$	2,605.00	\$	2,774.01	\$	169.01	6.5%

(F)	(H)			(I)	(J)		
DI	/ 2-	1: 21-Monti	ו Pl	an (9-Month F	late	and 12-Month	
Month-Year	С	urrent Bill	P	roposed Bill	D	ifference (\$)	Difference (%)
Apr-23	\$	186.20	\$	203.58	\$	17.38	9.3%
May-23	\$	105.76	\$	115.30	\$	9.54	9.0%
Jun-23	\$	64.94	\$	70.17	\$	5.24	8.1%
Jul-23	\$	50.74	\$	54.48	\$	3.74	7.4%
Aug-23	\$	47.20	\$	50.57	\$	3.37	7.1%
Sep-23	\$	48.96	\$	52.52	\$	3.56	7.3%
Oct-23	\$	57.84	\$	62.32	\$	4.48	7.8%
Nov-23	\$	114.51	\$	124.61	\$	10.09	8.8%
Dec-23	\$	202.75	\$	221.81	\$	19.06	9.4%
Jan-24	\$	278.11	\$	293.80	\$	15.69	5.6%
Feb-24	\$	303.86	\$	321.08	\$	17.22	5.7%
Mar-24	\$	265.25	\$	280.16	\$	14.92	5.6%
Apr-24	\$	186.20	\$	196.40	\$	10.20	5.5%
May-24	\$	105.76	\$	111.36	\$	5.60	5.3%
Jun-24	\$	64.94	\$	68.01	\$	3.07	4.7%
Jul-24	\$	50.74	\$	52.93	\$	2.20	4.3%
Aug-24	\$	47.20	\$	49.18	\$	1.98	4.2%
Sep-24	\$	48.96	\$	51.04	\$	2.08	4.3%
Oct-24	\$	57.84	\$	60.46	\$	2.63	4.5%
Nov-24	\$	114.51	\$	120.44	\$	5.93	5.2%
Dec-24	\$	202.75	\$	213.93	\$	11.19	5.5%
Total	\$	2,605.00	\$	2,774.15	\$	169.15	6.5%

II. 845 Therm Average Residential Heating Customer: Annual Bill Impact Analysis As Proposed: 21-Month Plan (21-Month Rate)

	Com	pare	To: Section	on 4	, Attachment	2, P	age 1 of 5, Lir	ne (10)
	Month-Year	Current Bill		Pi	Proposed Bill		ifference (\$)	Difference (%)
(23)	January	\$	278.11	\$	297.37	\$	19.27	6.9%
(24)	February	\$	303.86	\$	325.02	\$	21.15	7.0%
(25)	March	\$	265.25	\$	283.57	\$	18.32	6.9%
(26)	April	\$	186.20	\$	198.73	\$	12.53	6.7%
(27)	May	\$	105.76	\$	112.64	\$	6.88	6.5%
(28)	June	\$	64.94	\$	68.71	\$	3.77	5.8%
(29)	July	\$	50.74	\$	53.44	\$	2.70	5.3%
(30)	August	\$	47.20	\$	49.63	\$	2.43	5.2%
(31)	September	\$	48.96	\$	51.53	\$	2.57	5.2%
(32)	October	\$	57.84	\$	61.07	\$	3.24	5.6%
(33)	November	\$	114.51	\$	121.79	\$	7.28	6.4%
(34)	December	\$	202.75	\$	216.49	\$	13.74	6.8%
(35)	Total	\$	1,726.11	\$	1,839.98	\$	113.88	6.6%

	DIV 2-1: 21-Month Plan (9-Month Rate)											
Compare To: Attachment DIV 2-1-1, Page 3 of 7, Line (10)												
Month-Year	Current Bill		Pr	oposed Bill	D	ifference (\$)	Difference (%)					
January	\$	278.11	\$	304.84	\$	26.73	9.6%					
February	\$	303.86	\$	333.20	\$	29.34	9.7%					
March	\$	265.25	\$	290.66	\$	25.41	9.6%					
April	\$	186.20	\$	203.58	\$	17.38	9.3%					
May	\$	105.76	\$	115.30	\$	9.54	9.0%					
June	\$	64.94	\$	70.17	\$	5.24	8.1%					
July	\$	50.74	\$	54.48	\$	3.74	7.4%					
August	\$	47.20	\$	50.57	\$	3.37	7.1%					
September	\$	48.96	\$	52.52	\$	3.56	7.3%					
October	\$	57.84	\$	62.32	\$	4.48	7.8%					
November	\$	114.51	\$	124.61	\$	10.09	8.8%					
December	\$	202.75	\$	221.81	\$	19.06	9.4%					
Total	\$	1,726.11	\$	1,884.05	\$	157.95	9.2%					

	DIV 2-1: 21-Month Plan (12-Month Rate)										
Compare To: Attachment DIV 2-1-2, Page 3 of 7, Line (10)											
Month-Year	Current Bill		P	Proposed Bill		ifference (\$)	Difference (%)				
January	\$	304.84	\$	293.80	\$	(11.04)	-3.6%				
February	\$	333.20	\$	321.08	\$	(12.12)	-3.6%				
March	\$	290.66	\$	280.16	\$	(10.49)	-3.6%				
April	\$	203.58	\$	196.40	\$	(7.19)	-3.5%				
May	\$	115.30	\$	111.36	\$	(3.94)	-3.4%				
June	\$	70.17	\$	68.01	\$	(2.16)	-3.1%				
July	\$	54.48	\$	52.93	\$	(1.55)	-2.8%				
August	\$	50.57	\$	49.18	\$	(1.39)	-2.8%				
September	\$	52.52	\$	51.04	\$	(1.47)	-2.8%				
October	\$	62.32	\$	60.46	\$	(1.86)	-3.0%				
November	\$	124.61	\$	120.44	\$	(4.16)	-3.3%				
December	\$	221.81	\$	213.93	\$	(7.88)	-3.6%				
Total	\$	1,884.05	\$	1,818.80	\$	(65.26)	-3.5%				

Notes:

(36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)

Request:

Regarding 2-1, for the average residential heating customer utilizing 845 therms:

(a) Provide the monthly bill impact for: (i) the proposed 21-month period rate and,
(ii) an initial 9-month rate for CY 2023 followed by a 12-month rate for CY 2024;

and

(b) Provide the cumulative rate impact from current bills for: (i) the 21-month period rate, and (ii) an initial 9-month rate for CY 2023 followed by a 12-month rate for CY 2024.

Response:

Please refer to the Company's response to Division 2-1.

Request:

Provide the total installed miles and associated abandonment miles for all non-growth programs for each 9-month period (April 1 through December 31) for each fiscal year FY 2019 through FY 2023.

Response:

Please see the table below for a summary of the installed and abandoned miles for all non-growth programs during each 9-month period (April 1 through December 31) for fiscal years FY 2019 through FY 2023.

Fiscal Year (Apr - Dec)	Miles Installed	Miles Abandoned		
FY19	53.5	47.3		
FY20	59.8	39.1		
FY21	52.7	21.3		
FY22	49.8	52.2		
FY23	45.1	40.6		

Request:

Does the Company include any contingency when estimating each project? If so, how much?

Response:

Yes, for Complex projects. The contingency added to the projects ranges from 10% to 30% depending on the scope of work, complexity, and the number of knowns and unknowns at the time of the estimate. Below are examples of potential knowns/unknowns for a project during various stages of the estimating process:

- Potential underground conflicts;
- Permits/easements;
- Dewatering/Ledge Unknown amounts;
- Environmental concerns (wetland/endanger species/hazardous materials);
- Unknown quantity of contaminated soils/water, including disposal;
- Complexity of design at time of the estimate (25% design vs. 95% design);
- Volatility in the markets (pricing of material fluctuation);
- Unforeseen conditions buried structures, incorrect utility mapping (old mapping); and
- Specialty work resulting in lack of bidders.

For standard projects, such as main relay, the Company does not add any contingency to the project estimate. The Company uses a standard estimating tool, which is based on historical costs.

Request:

Please provide all leak receipts for CY 2022 by month and Type (Grade 1, 2, 2A, or3). Please separate main leaks from service leaks.

Response:

Please see the table below for all leak receipts for CY 2022 by month and Type. The Company does not track leak receipts by separate mains or services categories, as the precise location where the leak is originating from is not known until the time when the leak is repaired. The table provided below is for all leaks.

		Leak Grade at Receipt										
Month	Grade 1	Grade 2A	Grade 2	Grade 3	Total							
January	63	13	26	19	121							
February	91	11	32	19	153							
March	54	7	43	30	134							
April	48	7	37	36	128							
May	45	6	29	48	128							
June	45	3	19	35	102							
July	33	4	22	29	88							
August	53	8	27	44	132							
September	40	6	22	31	99							
October	53	4	25	50	132							
November	41	4	30	37	112							
December	42	2	21	19	84							
Total	608	75	333	397	1,413							

CY 2022 Leak Receipt Data (Month/Type) as of 1/1/2023

<u>Request</u>:

Does the Company track how much methane is lost during scheduled maintenance or during the abandonment process? If so, how much?

Response:

The Company estimates methane emissions resulting from main abandonments while preparing a System Operating Procedure ("SOP"), which details the specific operational steps necessary to install, gas-in, and abandon gas mains. For projects that were completed during the 12-month calendar 2022 period, the Company tracked a total loss of approximately 52,000 cubic feet of methane. This loss was associated with 46.6 miles of installation and 52.5 miles of leak prone pipe abandonment. 52,000 cubic feet is less than the use of an average residential gas customer for an entire year.

Gas loss during maintenance activities that do not require SOP level procedures is not tracked. Generally, the loss during maintenance operations is significantly lower than the loss during a leak prone pipe abandonment. The Narragansett Electric Company d/b/a Rhode Island Energy In Re: Proposed FY 2024 Gas Infrastructure, Safety and Reliability Plan 21-Month Filing: Period April 2023 – December 2024 Responses to the Division's Second Set of Data Requests Issued on January 4, 2023

Division 2-7

Request:

Has the Company considered methane recapturing when purging mains? Please explain what would be required to institute such a process.

Response:

The Company has considered methane recapturing and is currently working with an outside vendor to evaluate its draw down compressor technology. This technology would require the use of a purpose-built compressor to draw gas out of the main being purged, compress or decompress the gas as necessary to match the pressure of the main being used to recapture, and regulate the flow of this gas back into the system. Using a system of this kind will increase the time it takes to purge a main and may require additional personnel to operate, as well as additional Gas Control oversight to ensure system pressures are maintained. The Company would have to purchase several of these machines, with a cost for each in the high five or low six-figure range.

The systems currently being evaluated have a high range of applicability between different pressure ranges of the mains being purged and those receiving the purged gas. However, there are still likely to be situations in which recapture is not recommended or applicable, such as is the case with a high-pressure purge into a small, one-way fed, low pressure system.