

August 29, 2016

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4323 – Gas Earnings Sharing Mechanism
Earnings Report – Twelve Months Ended March 31, 2016

Dear Ms. Massaro:

In accordance with the Amended Settlement Agreement approved by the Rhode Island Public Utilities Commission (the PUC) in Order No. 21011 (April 11, 2013) in Docket No. 4323 (the Settlement) as reflected in National Grid's¹ gas tariff, RIPUC NG-Gas No. 101, Section 3, Schedule A, Sheet 13, subpart 5.0, enclosed are ten (10) copies of the earnings report for the twelve-month period ended March 31, 2016 for the gas operations of the Company.

In its September 1, 2015 Supplemental Distribution Adjustment Charge (DAC) filing in Docket No. 4573, the Company included a request for a permanent standing extension of the filing date for the Company's gas earnings sharing mechanism (ESM) reports from July 1 to August 28. The permanent standing extension permits the Company to file its gas ESM report each year at the same time it files its Federal Energy Regulatory Commission (FERC) Form 1 Supplemental Statement with CPA Certification as well as the first quarter Form 3-Q with FERC.² The PUC approved the Company's request at its October 30, 2015 open meeting.³

The Company will be submitting a Supplemental DAC filing in Docket No. 4634 on September 1, 2016 as it does each year to update the August 1 initial DAC filing for information that is not available at the time of the filing of the initial DAC. One of the items that is not available for the August 1 initial DAC filing is the Company's gas ESM report. Since the August 28 due date for the gas ESM report is only four calendar days prior to the annual Supplemental DAC filing on September 1, which contains the earnings sharing calculation, the Company would like to modify the permanent standing extension date for the ESM report to September 1 to coincide with the filing of the Supplemental DAC filing. The Company plans to request this modification to the permanent standing extension date in the September 1, 2016 Supplemental DAC filing.

³ See Docket No. 4573, Errata Order No. 22476 (issued July 12, 2016), amending Order No. 22266 (issued December 11, 2015).

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

² The gas ESM report and the resulting earnings sharing calculation is based on the Company's gas annual report that the Company separately filed with the PUC on August 25, 2016 for the twelve months ending March 31. The gas annual report contains the same information as that which is contained in the FERC Form 1 Supplemental Statement with CPA Certification.

Luly E. Massaro, Commission Clerk Docket 4323 - Gas Earnings Reports August 29, 2016 Page 2 of 2

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

Very truly yours,

Celia B. O'Brien

Celia B. O'Brien

Enclosures

cc: Docket 4323 Service List

Steve Scialabba, Division David Effron, Division Sharon Colby-Camara

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.

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

5i [i gh& , 201*
Date

National Grid (NGrid) – Request for Change in Electric & Gas Distribution Rates Docket No. 4323 – Service List updated on 9/15/15

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<u>National Grid - RI Gas</u> <u>For the Twelve Months ended March 31, 2016</u>

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National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 1 of 13

National Grid - RI Gas Earnings Sharing Calculation For the Twelve Months ended March 31, 2016

1 Average Rate Base	\$565,987,807
2 Equity Component of Rate Base	49.14%
3 Average Common Equity	\$278,126,408
4	
5 Net Income Available for Common Stock	\$18,710,950
6 Return on Common Equity	6.73%
7	
8 Return on Equity > 9.5% and < 10.5%	0.00%
9 Earnings to be Shared	\$0
10 Earnings to Customers - 50%	\$0
11	
12 Return on Equity > 10.5 %	0.00%
13 Earnings to be Shared	\$0
14 Earnings to Customers - 75%	\$0
15	
16 Total After tax Earnings Credited to Customers	\$0
17	
18 Total Earnings Credited to DAC	\$0

- 1 From Page 5 of 13 line 23(f)
- 2 From Page 4 of 13 line 8
- 3 Line 1 times line 2
- 5 From Page 2 of 13 line 47
- 6 Line 5 divided by line 3
- 8 Smaller of 10.5% or Line 6 minus 9.5%
- 9 Line 3 times line 8
- 10 Line 9 times 50%
- 12 If Line 6 is greater than 10.5%, line 6 minus 10.5%, if not, 0%
- 13 Line 3 times line 12
- 14 Line 13 times 75%
- 16 Line 10 plus line 14
- 18 Line 16 divided by 65%

National Grid - RI Gas Income Statement For the Twelve Months ended March 31, 2016

		<u>2016</u>
1	Operating Revenues	
2	Total Firm Gas	\$302,737,492
3	Transportation	\$37,097,775
4	Other Revenues	\$12,470,940
5	FY16 Customer Portion of On System Non-Firm Margin not booked in FY16	(\$63,674)
6	FY15 Customer Portion of On System Non-Firm Margin booked in FY16	(\$133,185)
7	Total Operating Revenues	\$352,109,348
8		
9	Adjustment to Operating Revenue:	
10	Inventory Financing	(\$1,245,260)
11	Total Adjusted Operating Revenues	\$350,864,088
12		
13	Operating Expenses	
14	Production (Gas Costs)	\$137,816,095
15	Storage	\$2,818,755
16	Transmission	\$37,719
17	Distribution	\$25,095,076
18	Customer Accounts	\$35,780,434
19	Sales	\$0
20	Administrative and General	\$37,432,839
21	Total Operating Expenses	\$238,980,917
22		
23	Adjustments to Operating Expense:	
24	Savings Imputed in Base Rates	\$2,450,000
25	Total Adjusted Operating Expenses	\$241,430,917
26		
27	Other Expenses	
28	Depreciation and Amortization	\$33,667,279
29	Local and Other Taxes	\$22,026,481
30	Revenue Related Taxes (Gross Earnings Tax - GET)	\$10,331,816
31	Federal Income Taxes @ 35%	\$10,095,699
32	Total Other Expenses	\$76,121,274
33		
34	Income Before Interest Expense	\$33,311,896
35		
36	Interest Expense	
37	Short-Term Debt	\$31,401
38	Long-Term Debt	\$14,531,341
39	Other Interest Expense	\$0
40	AFUDC	\$0
41	Total Interest Expense	\$14,562,742
42	•	
43	Net Income / (Loss)	\$18,749,154
44		
45	Preferred Dividends	\$38,204
46		
47	Net Income / (Loss) Applicable to Common Equity	\$18,710,950

- 4 From Page 7 of 13 line 10
- $24\,$ Docket No. 3943 (4/4/2008) Attachment NG-MDL-4 Page 1 of 6 Line 7
- 29 From Page 6 of 13 sum of line 3 through line 5
- 31 From Page 3 of 13 line 20
- 37 From Page 4 of 13 line 25(b)
- 38 From Page 4 of 13 line 17(b)
- 39 From Page 8 of 13 line 3
- 45 From Page 4 of 13 line 34(b)

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 3 of 13

National Grid - RI Gas Federal Income Tax Calculation For the Twelve Months ended March 31, 2016

1 Operating Revenues \$350,864,08 2 3 Less: 4 5 Operating Expenses \$241,430,91 6 Depreciation and Amortization \$33,667,27 7 Local and Other Taxes \$22,026,48	.7 79 31
3 Less: 4 5 Operating Expenses \$241,430,91 6 Depreciation and Amortization \$33,667,27	79 81
4 \$241,430,91 \$241,430,91 \$23,667,27	79 81
5 Operating Expenses \$241,430,91 6 Depreciation and Amortization \$33,667,27	79 81
6 Depreciation and Amortization \$33,667,27	79 81
_	31
7 Local and Other Toyon	
7 Local and Other Taxes \$22,026,48	
8 Revenue Related Taxes (GET) \$10,331,81	6
9 Interest - Short-Term Debt \$31,40	1
10 Interest - Long-Term Debt \$14,531,34	1
11 Other Interest	0
12 AFUDC \$	0
13	
14 Total Deductions \$322,019,23	35
15	
16 Taxable Income \$28,844,85	3
17	
18 Federal Income Tax Rate 35	5%
19	
20 Federal Income Tax Expense \$10,095,69	00

- 1 From Page 2 of 13 line 11
- 5 From Page 2 of 13 line 25
- 6 From Page 2 of 13 line 28
- 7 From Page 2 of 13 line 29
- 8 From Page 2 of 13 line 30
- 9 From Page 2 of 13 line 37
- 10 From Page 2 of 13 line 38
- 11 From Page 2 of 13 line 39
- 12 From Page 2 of 13 line 40
- 14 Sum of Line 5 through Line 12
- 16 Line 1 minus Line 14
- 20 Line 16 times Line 18

National Grid - RI Gas Applicable Capital Structure, Interest Expense and Preferred Dividends For the Twelve Months ended March 31, 2016

		%	\$
		(a)	(b)
1	Rate Base		\$565,987,807
2			
3 4	Capital Structure	Doolsot 4222	
5	Short-Term Debt	Docket 4323 0.76%	\$4,301,507
6	Long-Term Debt	49.95%	\$282,710,910
7	Preferred Stock	0.15%	\$848,982
8	Common Equity	49.14%	\$278,126,408
9	*	100.00%	\$565,987,807
10 11	Interest Expense		
12			
13	Long-Term Debt Portion	49.95%	\$282,710,910
14			, ,
15	Cost of Long-Term Debt March 2016		5.14%
16			Φ14 521 241
17 18	Proforma Long-Term Debt Interest For the Twelve Months ended March 31, 2016		\$14,531,341
18 19			
20			
21	Short-Term Debt Portion	0.76%	\$4,301,507
22			
23	Cost of Short-Term Debt March 2016		0.73%
24 25	Proforma Short-Term Debt Interest For the Twelve Months ended March 31, 2016		\$21.401
25 26	Proforma Short-Term Debt interest For the Twelve Months ended March 31, 2016		\$31,401
27	Preferred Dividends		
28			
29			
30	Preferred Stock Portion	0.15%	\$848,982
31 32	Cost of Preferred Stock		4.50%
33	Cost of Flederica Stock		4.30%
34	Proforma Preferred Stock For the Twelve Months ended March 31, 2016		\$38,204
1.0	Notes:		
1(b) 5(a)-8(a)	From Page 5 of 13 line 23(f) Imputed capital structure per Docket No. 4323, Attachment 6, Schedule MDL-3-GAS-S, P	229 56 of 65	
5(a)-8(a) 5(b)-8(b)	Line 1(a) times Line 5(a) through Line 8(a)	age 50 01 05	
13	Line 1(b) times Line 13(b)		
15	From Page 10 of 13 line 11(e)		
17	Line 13 (b) times line 15 (b)		
21	Line 1(b) times Line 21(b)		
23	From Page 11 of 13 line 14(b)		
25	Line 21 (b) times line 23 (b)		
30	Line 1(b) times Line 30(b)		
32	Cost rate per Docket No. 4323, Attachment 6, Schedule MDL-3-GAS-S, Page 56 of 65		
34	Line 30 (b) times line 32 (b)		

National Grid - RI Gas Rate Base For the Twelve Months ended March 31, 2016

							Average
		March	June	September	December	March	March
		2015	2015	2015	2015	2016	2016
		(a)	(b)	(c)	(d)	(e)	(f)
1	Gas Plant In Service	\$933,683,421	\$956,933,011	\$974,838,762	\$1,012,454,231	\$1,050,599,082	\$985,701,701
2	CWIP	\$44,660,113	\$41,641,316	\$67,279,159	\$57,484,563	\$28,280,357	\$47,869,102
3	Less: Accumulated Depreciation	\$359,755,863	\$365,938,116	\$373,914,543	\$380,482,131	\$388,081,489	\$373,634,428
4	Less: Contribution in Aid of Construction	\$38	\$38	\$38	\$38	\$38	\$38
5							
6	Net Plant	\$618,587,633	\$632,636,173	\$668,203,340	\$689,456,625	\$690,797,912	\$659,936,337
7							
8	Materials and Supplies	\$4,029,101	\$4,170,097	\$5,096,757	\$4,057,269	\$4,479,704	\$4,366,586
9	Prepaid Expenses, Excluding Taxes	\$457,440	(\$0)	\$42,560	(\$0)	\$774,534	\$254,907
10	Deferred Debits	\$1,646,612	\$1,470,189	\$1,293,766	\$1,117,344	\$940,921	\$1,293,766
11	Unamortized debt expense and Interest Rate Lock	\$2,351,816	\$2,292,235	\$2,232,654	\$2,173,073	\$2,113,492	\$2,232,654
12	Cash Working Capital	\$20,496,017	\$15,990,429	\$15,990,429	\$15,990,429	\$15,990,429	\$16,891,546
13							
14	Subtotal	\$28,980,985	\$23,922,951	\$24,656,167	\$23,338,114	\$24,299,080	\$25,039,459
15							
16	Accumulated Deferred FIT	\$93,295,216	\$92,119,842	\$93,079,748	\$86,900,747	\$92,347,490	\$91,548,609
17	Hold Harmless	\$24,320,306	\$24,068,705	\$23,817,104	\$23,565,503	\$23,247,142	\$23,803,752
18	Customer Deposits	\$2,793,393	\$2,456,688	\$2,732,473	\$2,815,184	\$2,770,642	\$2,713,676
19	Injuries and Damages Reserve	\$812,172	\$918,219	\$923,812	\$1,030,071	\$925,488	\$921,952
20							
21	Subtotal	\$121,221,088	\$119,563,454	\$120,553,136	\$114,311,505	\$119,290,762	\$118,987,989
22							
23	Rate Base	\$526,347,531	\$536,995,670	\$572,306,372	\$598,483,234	\$595,806,230	\$565,987,807

1(a)-4(e)	From	Company	Financial	Statements
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¹⁽f)-4(f) Average of Column (a) through Column (e)

- 12 From Page 6 of 13 Line 13
- 14 Sum of Line 8 through Line 12
- 16(a)-19(e) From Company Financial Statements
- 16(f)-19(f) Average of Column (a) through Column (e)
 - Hold Harmless rate base credit per Docket No. 3859 Sum of Line 16 through Line 19 17
 - 21
 - 23 Line 6 + Line14 - Line 21

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

Average of Column (a) through Column (e)

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

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

¹⁰ Reflects the amortization of Y2K related costs per Docket No. 3401 and Advantage System amortization

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 6 of 13

National Grid - RI Gas Cash Working Capital Calculation For the Twelve Months ended March 31, 2016

1	Gas Costs	\$137,816,095
2	Operating Expenses	\$101,164,823
3	Payroll Taxes	\$2,252,502
4	Property Taxes	\$19,766,957
5	State Taxes Other	\$7,023
6	Revenue Related Taxes (GET)	\$10,331,816
7	Total	\$271,339,214
8		
9	Daily Cash Requirement	\$743,395
10		
11	Net Lag Days	21.51
12		
13	Total Working Capital	\$15,990,429

- 1 From Page 2 of 13 Line 14
- 2 From Page 2 of 13 Lines 15 20
- 3-5 From Company Financial Statements
- 6 From Page 2 of 13 Line 30
- 7 Sum of Lines 1 through Line 6
- 9 Line 7 divided by 365 days
- 11 Per Docket No. 4323, Schedule MDL-4-GAS, (Page 2 of 20, Line 18 - Page 3 of 20, Line 4)
- 13 Line 9 times Line 11

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 7 of 13

National Grid - RI Gas Detail Other Revenue/(Expense) For the Twelve Months ended March 31, 2016

1	Rent from Gas Property	\$213,475
2	Displacement Revenue	\$0
3	Recovery of Supervision & Administrative Costs	\$0
4	Other Revenue	\$253,230
5	RDM Revenue	\$11,113,175
6	LIEAP Revenue	\$236,352
7	Misc Revenue	\$0
8	Interest on Customer Arrears	\$654,708
9		
10	Total Other Revenue	\$12,470,940

- 1-8 From Company Financial Statements
- 10 Sum of line 1 through line 8

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 8 of 13

National Grid - RI Gas Detail Other Interest Expense For the Twelve Months ended March 31, 2016

1	Interest on Customer Deposits	(\$0)
2		
3	Total Other Interest Expense	(\$0)

- 1 From Company Financial Statements
- 3 Line 1

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 9 of 13

National Grid - RI Gas Detail Non-Operating Income / (Expense) For the Twelve Months ended March 31, 2016

1	Service Contract Revenue	\$60,655
2	Share Awards	(\$392,857)
3	Interest on Over / (Under) Collections, primarily Deferred Gas Costs	\$104,106
4	Deferred Compensation - Life Insurance	(\$65,368)
5	Federal Income Taxes on Non-Operating Income	\$0
6	NGPMP per Docket 4038	(\$1,000,000)
7	Lobbying / Legal and Political Expense	(\$139,768)
8	Penalties	(\$52,047)
9	Other	(\$1,906,589)
10	Total Non-Operating Income/(Expense)	(\$3,391,868)

- 1-9 From Company Financial Statements
- 10 Sum of line 1 through line 9

National Grid Calculation of Average Long-Term Debt Interest Rate For the Twelve Months ended March 31, 2016

	<u>Description</u>	(a) Average Long-Term <u>Debt Balance</u>	(b) Rate	(c) Long-Term <u>Interest Expense</u>	(d) Annual Amortization of DD&E	(e) Total <u>Expense</u>
1	Providence Gas FMB S	\$14,464,000	6.82%	986,445	\$7,000	\$993,445
2	Providence Gas FMB N	10,000,000	9.63%	963,000	\$4,100	\$967,100
3	Providence Gas FMB O	12,500,000	8.46%	1,057,500	\$4,300	\$1,061,800
4	Providence Gas FMB P (Annual sinking fund 9/30 \$625,000)	4,687,500	8.09%	379,219	\$3,500	\$382,719
5	Providence Gas FMB R (Annual sinking fund 12/15 \$750,000)	8,031,250	7.50%	602,344	\$4,100	\$606,444
6	Narragansett Senior Note \$250M due 3-15-2020	250,000,000	4.53%	11,325,000	\$664,600	\$11,989,600
7	Narragansett Senior Note \$300M due 3-15-2040	300,000,000	5.64%	16,920,000	\$279,300	\$17,199,300
8	Narragansett Senior Note \$250M due 12-10-2042	250,000,000	4.17%	10,425,000	\$75,000	\$10,500,000
9	Totals	\$849,682,750	_	\$42,658,507	\$1,041,900	\$43,700,407
10 11					5.14%	

Notes:

1-8 From Financial Statements

11(e) 9(e) divided by 9(a)

1(a)-8(a) *Average amounts represent Narragansett Electric Company consolidated amounts as the Gas division is not a legal entity.

National Grid Gas Earnings Sharing Mechanism Docket No. 4323 Page 11 of 13

National Grid - RI Gas **Calculation of Average Short-Term Debt Interest Rate** For the Twelve Months ended March 31, 2016

		(a)	(b)	(c)
		Average Short-Term	Weighted	Short-Term
	<u>Month</u>	Debt Balance	Cost Rate	Interest Expense
1	Apr-15	\$190,795,070	0.84%	\$130,059
2	May-15	\$162,937,507	0.69%	\$95,475
3	Jun-15	\$161,149,669	0.53%	\$69,596
4	Jul-15	\$182,218,583	0.65%	\$98,906
5	Aug-15	\$187,167,331	0.72%	\$112,849
6	Sep-15	\$190,669,958	0.64%	\$99,340
7	Oct-15	\$170,927,337	0.61%	\$87,923
8	Nov-15	\$156,363,371	0.67%	\$85,156
9	Dec-15	\$194,150,407	0.66%	\$106,611
10	Jan-16	\$175,650,504	0.90%	\$132,119
11	Feb-16	\$162,070,510	0.93%	\$118,412
12	Mar-16	\$181,220,078	0.97%	\$146,813
13				
14	Average	\$176,276,694	0.73%	\$1,283,259

- 1(a)-12(a) Average amounts represent Narragansett Electric Company consolidated amounts as the Gas division is not a legal entity and participates in the National Grid money pool as a division of Narragansett Electric
 - 14(b) Average of Line 1 through Line 12

National Grid - RI Gas Merger Hold Harmless Rate Base Credit

Attachment NG-MDL-1
Docket No. _____
April 1, 2008
Page 30 of 33

National Grid - RI Gas Rate Base Adjustments Merger Hold Harmless Rate Base Credit

Line				
No.				
1	Balance as of September 3	0, 2007	\$34,139,677	1/
2				
3	Increase / (Decrease) 12 M	(2,624,545)		
4				
5	Balance as of:	9/30/08	\$31,515,132	1/
6				
7				
8		10/31/08	31,283,677	
9		11/30/08	31,052,222	
10		12/31/08	30,820,767	1/
11		1/31/09	30,647,907	
12		2/28/09	30,475,046	
13		3/31/09	30,302,186	1/
14		4/30/09	30,129,326	
15		5/31/09	29,956,466	
16		6/30/09	29,783,606	1/
17		7/31/09	29,610,746	
18		8/31/09	29,437,886	
19		9/30/09	29,265,026	1/
20				
21	Rate Year Merger Hold Ha	rmless - Five Quarter Average	\$30,337,343	

1/ Hold Harmless Rate Base Credit Per DJE-2 (Revised) from Docket No. 3859.

@ 12/31/06 per DJE-2 Revised	35,764,025
Imputed 3/31/07	35,222,576
Imputed 6/30/07	34,681,127
Imputed 9/30/07	34,139,677
@ 12/31/07 per DJE-2 Revised	33,598,228
Imputed 3/31/08	32,903,863
Imputed 6/30/08	32,209,497
Imputed 9/30/08	31,515,132
@ 12/31/08 per DJE-2 Revised	30,820,767
Imputed 3/31/09	30,302,186
Imputed 6/30/09	29,783,606
Imputed 9/30/09	29,265,026
@ 12/31/09 per DJE-2 Revised	28,746,445

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Schedule DJE-2 Revised

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

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