

**PRESQUE ISLE ELECTRIC & GAS CO-OP
BOARD RESOLUTION
SEPTEMBER 28, 2021**

**RESOLUTION 2021-MR-07
2022 PSCR FACTOR**

WHEREAS, PIE&G transitioned to member regulation with an effective date of September 23, 2012 thus providing that certain of its rates are no longer regulated by the MPSC; and

WHEREAS, PIE&G in conjunction with Wolverine Power Supply Cooperative (WPSC), it's wholesale electric energy supplier, has conducted an analysis of projected energy costs and sales volumes; and

WHEREAS, PIE&G's staff has reviewed the analysis with the Board of Directors; and

WHEREAS, results of that analysis indicate an overall energy cost of 95.47 mills/kWh or \$0.09547/kWh which, when combined with PIE&G's current PSCR basing point of 87.85 mills/kWh provides for a 2022 PSCR Factor of **7.62** mills/kWh.

NOW BE IT HEREBY RESOLVED that the PIE&G Board of Directors accepts the analysis as provided by the cooperative staff as a reasonable basis for establishing the maximum 2022 PSCR Factor of **7.62** mills/kWh or **\$0.00762**/kWh effective with all bills rendered on or after February 1, 2022 and directs staff to amend the appropriate tariffs in its Electric Rate Book.

BE IT FURTHER RESOLVED that the cooperative staff may apply a lesser PSCR Factor than approved in this resolution because of an over-collection of power supply costs from the membership, in which case they shall notify the Board of Directors of their intent to do so.

CERTIFICATION

I, Sandra Borowicz, Secretary of the Board of Directors of Presque Isle Electric & Gas Co-op, do hereby certify that the above is a true and correct copy of a resolution adopted at a special meeting of the Board of Directors of Presque Isle Electric & Gas Co-op held on September 28, 2021.

By: _____
Sandra Borowicz, Secretary

Dated: _____

**PRESQUE ISLE ELECTRIC & GAS CO-OP
BOARD RESOLUTION
SEPTEMBER 28, 2021**

**RESOLUTION 2021-MR-08
ELECTRIC RATE BOOK REVISIONS**

WHEREAS, PIE&G transitioned to member regulation with an effective date of September 23, 2012 thus providing that certain of its rates are no longer regulated by the MPSC; and

WHEREAS, PIE&G staff and board of directors acknowledge the termination of the Energy Optimization/Energy Waste Reduction (EO/EWR) programs mandated by the State of Michigan; and

WHEREAS, Wolverine Power Cooperative (WPC) has developed a program to continue the promotion of Energy Waste Reduction (EWR) programs and has offered to administer the program on PIE&G's behalf; and

WHEREAS, PIE&G staff has recommended continuing the EWR programs through the WPC program and continuing with the application of the current EO/EWR surcharges; and

WHEREAS, at its August 24, 2021 meeting the PIE&G Board of Directors approved staff's recommendation and authorized the continuation of the EWR program.

NOW BE IT HEREBY RESOLVED that the PIE&G Board of Directors authorizes the EWR Surcharges as currently assessed per the attached schedule for all rate classes.

BE IT FURTHER RESOLVED that PIE&G Board of Directors wishes to review the details of the EWR program and directs staff to provide an analysis of surcharge revenues and program expenses annually as part of the September Member Regulation Special meeting.

CERTIFICATION

I, Sandra Borowicz, Secretary of the Board of Directors of Presque Isle Electric & Gas Co-op, do hereby certify that the above is a true and correct copy of a resolution adopted at a special meeting of the Board of Directors of Presque Isle Electric & Gas Co-op held on September 28, 2021.

By: _____
Sandra Borowicz, Secretary

Dated: _____

EWR Surcharge Schedule

Residential Monthly	\$0.00229/kWh
Residential Seasonal	\$0.00229/kWh
General Service 1PH	\$3.10/month
General Service 3PH	\$3.10/month
Large General Service	\$74.14/month
Optional Large Power Time of Day Service	\$74.14/month
Primary Service	\$400.99/month
Outdoor Lighting	\$0.00312/kWh

Proposed Changes At A Glance

1. Establish 2022 Power Supply Cost Recovery Factor (PSCR)
2. Continuation of Energy Optimization/ Energy Waste Reduction Charges

1. Establish the 2022 Power Supply Cost Recovery Factor (PSCR)

Existing Situation

- o Power supply costs from Wolverine Power Cooperative (WPC) are passed on at cost to members of PIE&G through the PSCR mechanism.
- o PIE&G, working with WPC, establishes a factor to collect or refund power supply costs that are above or below the base energy rates based upon cost and sales forecasts.
- o The collection of funds through the PSCR Factor is reconciled annually with the actual energy costs billed to PIE&G by WPC and the difference is either refunded or charged to the membership.
- o The 2021 PSCR Factor was established at **-4.39** mills/kWh or **-\$0.00439**/kWh.
- o The overall estimated energy rate billed to the members of PIE&G is the sum of the PSCR Basing Point and the current year's PSCR Factor. That rate for 2022 is \$0.09547/kWh or 95.47 mills/kWh.
- o Prior action of the Board has set the PSCR Basing Point to 87.85 mills/kWh.

Proposed Change

- o This approval will establish the maximum PSCR Factor for 2022.
- o Should actual power supply costs be lower than forecasted, then the cooperative may apply a lesser PSCR Factor. Should actual power supply costs be higher than forecasted, the excess will be collected through the next year's PSCR Factor.
- o The established maximum PSCR Factor shall be 7.62 mills/kWh or **\$0.00762**/kWh. This represents an increase of \$8.32 per month or 8.27% for the average residential monthly account.

	Basing Point	PSCR Factor	Total Energy Rate
2021	\$ 0.08785	\$ (0.00439)	\$ 0.08346
2022	\$ 0.08785	\$ 0.00762	\$ 0.09547
	Difference		\$ 0.01201

- o The proposed change includes an estimated under-collection of 2021 power supply costs of \$720,000. Should actual under-collections for 2021 be lower than forecasted, the cooperative may charge less than the established rate.

Management Recommends

- o Establish the 2022 PSCR Factor of **\$0.00762** per kWh effective with bills rendered on or after February 1, 2022.
- o Management will bring forward the 2021 over/under collection at the first Special Member Regulation Board Meeting of 2022.

2. Continuation of Energy Optimization/Energy Waste Reduction Charges

Existing Situation

- o Energy Optimization/Energy Waste Reduction programs were mandated by the State of Michigan to promote energy efficiency and reduce energy waste.
- o Programs were funded through an EO Surcharge assessed to each member's bill, and administered by MECA.
- o Programs have been terminated by the State of Michigan as of December 31, 2021.
- o Wolverine Power Cooperative has developed a program to continue the promotion of Energy Waste Reduction programs and has offered to administer the program on PIE&G's behalf.
- o The PIE&G Board of Directors authorized the continuation of the Energy Waste Reduction program at it's August 24, 2021 meeting.

Proposed Change

- o Continue the Energy Waste Reduction programs through the Wolverine Power Cooperative program and continue with the application of the current EO/EWR surcharges.
- o Proposed EWR Surcharge Schedule:

Residential Monthly	\$0.00229/kWh
Residential Seasonal	\$0.00229/kWh
General Service 1PH	\$3.10/month
General Service 3PH	\$3.10/month
Large General Service	\$74.14/month
Optional Large Power	
Time of Day Service	\$74.14/month
Primary Service	\$400.99/month
Outdoor Lighting	\$0.00312/kWh

Management Recommends

- o Continuing the Energy Waste Reduction program using the Wolverine Power Cooperative program and the current EO/EWR Surcharges as proposed.
- o Board of Directors will review the details of the Energy Waste Reduction program annually and direct Staff to provide an analysis of surcharge revenues and program expenses as part of the September Member Regulation Special meeting.

Presque Isle Electric & Gas Co-op 2022 PSCR Plan Overview

Line No.

1	Projected Energy Purchases (kWh)	275,065,596
2	Less: Line Losses (7.75%)	20,629,920
3	Projected Energy Sales (kWh)	254,435,677
4	Projected 2022 Energy Costs	\$ 23,570,955
5	Projected 2021 Undercollection	\$ 720,000
6	Total Projected Energy Costs to be Collected	\$ 24,290,955
7	PSCR Rate - \$/kWh (Line 6/Line 3)	\$ 0.09547
8	PSCR Base - \$/kWh	\$ 0.08785
9	PSCR Factor - \$/kWh (Line 7 - Line 8)	\$ 0.00762
10	PSCR Rate - mills/kWh (Line 6/Line 3)	\$ 95.47
11	PSCR Base - mills/kWh	\$ 87.85
12	PSCR Factor - mills/kWh (Line 10 - Line 11)	\$ 7.62

Presque Isle Electric & Gas Co-op

2022 PSCR Plan

Summary

2022 Forecast	January	February	March	April	May	June	July	August	September	October	November	December	Total
MWh	26,294	23,908	23,562	21,171	21,212	21,802	27,524	24,632	20,565	22,843	23,365	25,241	282,119
*Including losses													
Variable Cost	\$ 1,307,530	\$ 1,227,449	\$ 1,251,497	\$ 1,131,355	\$ 1,072,467	\$ 1,157,426	\$ 1,392,454	\$ 1,280,851	\$ 998,802	\$ 1,233,015	\$ 1,278,627	\$ 1,306,987	\$ 14,638,462
Fixed Cost	\$ 644,319	\$ 552,861	\$ 549,605	\$ 469,639	\$ 466,631	\$ 562,946	\$ 776,269	\$ 682,582	\$ 522,950	\$ 551,859	\$ 590,297	\$ 658,883	\$ 7,028,841
Substation Cost	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 158,638	\$ 1,903,651
Total Cost	\$ 2,110,487	\$ 1,938,947	\$ 1,959,740	\$ 1,759,632	\$ 1,697,735	\$ 1,879,009	\$ 2,327,361	\$ 2,122,071	\$ 1,680,390	\$ 1,943,512	\$ 2,027,562	\$ 2,124,508	\$ 23,570,955
2022 Forecast Rate	\$ 80.26	\$ 81.10	\$ 83.17	\$ 83.12	\$ 80.04	\$ 86.18	\$ 84.56	\$ 86.15	\$ 81.71	\$ 85.08	\$ 86.78	\$ 84.17	\$ 83.55

PSCR Factor Calculations

A Wholesale Purchases	26,294	23,908	23,562	21,171	21,212	21,802	27,524	24,632	20,565	22,843	23,365	25,241	282,119
B Wholesale Transformation Losses (%)	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
C Wholesale Transformation Losses MWh	657	598	589	529	530	545	688	616	514	571	584	631	7,053
D Delivered Wholesale Purchase (A minus C)	25,637	23,310	22,973	20,642	20,681	21,257	26,836	24,016	20,051	22,272	22,780	24,610	275,066
E Member's Line Losses (%)	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%
F Member's Line Losses MWh (D x E)	1,923	1,748	1,723	1,548	1,551	1,594	2,013	1,801	1,504	1,670	1,709	1,846	20,630
Delivered Wholesale Purchases - Losses (Line) (D minus F)	23,714	21,562	21,250	19,094	19,130	19,663	24,824	22,215	18,547	20,602	21,072	22,764	254,436
Member's HQ Energy Use													0
Member's Sales to its Members	23,714	21,562	21,250	19,094	19,130	19,663	24,824	22,215	18,547	20,602	21,072	22,764	254,436
Non-PSCR Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
PSCR Sales/Retail Sales	23,714	21,562	21,250	19,094	19,130	19,663	24,824	22,215	18,547	20,602	21,072	22,764	254,436
Power Supply Rate Before HQ Use and (O)/U Coll.	\$ 89.00	\$ 89.93	\$ 92.22	\$ 92.16	\$ 88.75	\$ 95.56	\$ 93.76	\$ 95.53	\$ 90.60	\$ 94.34	\$ 96.22	\$ 93.33	\$ 92.64
Member's HQ Energy Use													0
Prior Year (Over)/Under Collection	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	720,000
PSCR Cost	2,170,487	1,998,947	2,019,740	1,819,632	1,757,735	1,939,009	2,387,361	2,182,071	1,740,390	2,003,512	2,087,562	2,184,508	24,290,955
PSCR Rate	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47	\$ 95.47
PSCR Base	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85	\$ 87.85
PSCR Factor	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62	\$ 7.62
Member's PSCR Revenue	\$ 2,263,973	\$ 2,058,487	\$ 2,028,762	\$ 1,822,865	\$ 1,826,359	\$ 1,877,216	\$ 2,369,914	\$ 2,120,839	\$ 1,770,696	\$ 1,966,831	\$ 2,011,734	\$ 2,173,298	\$ 24,290,974
Member's PSCR Cost	2,170,487	1,998,947	2,019,740	1,819,632	1,757,735	1,939,009	2,387,361	2,182,071	1,740,390	2,003,512	2,087,562	2,184,508	24,290,955
Member's Over/(Under) Collection	\$ 93,486	\$ 59,540	\$ 9,023	\$ 3,233	\$ 68,624	\$ (61,793)	\$ (17,447)	\$ (61,232)	\$ 30,306	\$ (36,680)	\$ (75,828)	\$ (11,210)	\$ 19

Presque Isle Electric & Gas 2022 Billing Projections

	2022 Rates	2022 Totals
Annual Forecast for Variable Costs and Credits		
Allocation Units		
Forecast Energy Sales (KWh)		282,118,561
Forecast Power Delivery Peak (KW)		43,131
Energy Cost (\$)		
Dynamic Energy	\$ 0.0411963	\$ 11,622,232
Energy Stabilization	\$ (0.0011916)	\$ (336,159)
Renewable Energy	\$ 0.0023059	\$ 650,532
Variable Margin Share	\$ 0.0015211	\$ 429,128
Total Energy Cost	\$ 0.0438317	\$ 12,365,733
Energy Credits (\$)		
MBR Energy Sales	\$ 0.0011392	\$ 321,396
Base Resources	\$ (0.0041014)	\$ (1,157,070)
Monthly Peak Resources	\$ (0.0014308)	\$ (403,654)
Annual Peak Resources	\$ 0.0001140	\$ 32,170
Total Energy Credits	\$ (0.0042789)	\$ (1,207,158)
Net Energy Cost (\$)	\$ 0.0395528	\$ 11,158,575
Power Delivery Cost (\$)	\$ 0.0123348	\$ 3,479,888
Total Variable Cost (\$)	\$ 0.0518876	\$ 14,638,462

Annual Budget for Fixed Costs and Credits		
Allocation Units		
Historic Average Energy Sales (KWh)		266,924,811
Historic Average Monthly Peak (KW)		40,897
Historic Average Annual Peak (KW)		48,892
Fixed Costs (\$)		
Base Fixed Cost Share	\$ 0.0183660	\$ 5,181,379
--Beneficial Electrification and Economic Development Share	\$ -	\$ -
--Additional Incentive Funding	\$ -	\$ -
MPCR Fixed Cost Share	\$ 0.0063476	\$ 1,790,764
APCR Fixed Cost Share	\$ 0.0002010	\$ 56,698
Total Fixed Cost (\$)	\$ 0.0249145	\$ 7,028,841

Distribution Substations and Excluded Facilities Costs		
Allocation Units		
Gross Book Value Distribution Substations		\$ 11,385,759
Number of Substations		18
Gross Book Value Excluded Facilities		\$ 524,327
Distribution Substation Cost (\$)		
Substation Investment	\$ 0.0041407	\$ 1,168,179
Substation Maintenance	\$ 0.0023628	\$ 666,576
Excluded Facilities Cost (\$)	\$ 0.0002442	\$ 68,897
Total Substation and Excluded Facilities Cost (\$)	\$ 0.0067477	\$ 1,903,651
Per Unit Summary		
Substation Investment (%)		10.26%
Substation Maintenance (\$ per Substation)		\$ 3,086
Excluded Facilities (%)		13.14%

Member Directed Programs		
Allocation Units		
Seasonal Demand Response (kW)		
12-month Demand Response (kW)		
Demand Response Credits (\$)		
Seasonal Demand Response		

Presque Isle Electric & Gas 2022 Billing Projections

	2022 Rates	2022 Totals
12-month Demand Response		
Total Demand Response Credit (\$)		
Per Unit Summary		
Seasonal Demand Response (\$/kW-month)		
12-month Demand Response (\$/kW-month)		
Economic Development and Beneficial Electrification		
Water Heater Credit	\$ -	\$ -
Efficient Electric Heat	\$ -	\$ -
Total Credits	\$ -	\$ -
TOTALS	\$ 0.08355	\$ 23,570,955

Presque Isle Electric & Gas 2022 Billing Projections -- Non-C&I Customers

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Average
Annual Forecast for Variable Costs and Credits														
Allocation Units														
Forecast Energy Sales (MWh)	25,072	22,776	22,326	20,024	20,016	20,517	26,030	23,224	19,355	21,645	22,259	24,082	267,328	
Forecast Power Delivery Peak (MW)	44	42	40	35	33	42	56	45	36	35	42	43		41
Energy Cost (\$)														
Dynamic Energy	\$ 1,430,867	\$ 1,164,418	\$ 920,802	\$ 687,271	\$ 699,237	\$ 720,469	\$ 1,146,173	\$ 934,291	\$ 711,181	\$ 810,319	\$ 841,589	\$ 946,757	\$ 11,013,376	
Energy Stabilization	(330,109)	(221,381)	(39,696)	73,508	74,288	77,384	(80,667)	(22,520)	31,258	49,971	52,269	16,567	\$ (319,128)	
Renewable Energy	(35,849)	13,137	62,032	91,481	58,663	56,748	26,182	34,144	56,901	92,017	82,927	78,963	\$ 617,345	
Variable Margin Share	35,621	30,526	33,022	30,287	32,244	34,266	39,710	36,924	32,513	33,168	33,527	35,429	\$ 407,237	
Total Energy Cost	\$ 1,100,531	\$ 986,701	\$ 976,159	\$ 882,546	\$ 864,432	\$ 888,867	\$ 1,131,399	\$ 982,838	\$ 831,852	\$ 985,475	\$ 1,010,313	\$ 1,077,717	\$ 11,718,829	
Energy Charges/(Credits) - (\$)														
MBR Energy Sales	\$ 200,995	\$ 131,981	\$ 30,093	\$ (49,616)	\$ (44,472)	\$ (39,097)	\$ 82,143	\$ 33,861	\$ (3,063)	\$ (9,038)	\$ (19,491)	\$ (9,296)	\$ 305,000	
Base Resources	(208,796)	(168,670)	(112,491)	(33,632)	(38,249)	(55,659)	(123,608)	(87,640)	(85,065)	(75,421)	(82,000)	(85,838)	\$ (1,157,070)	
Monthly Peak Resources	(144,686)	(39,645)	(7,566)	6,181	(3,761)	28,207	(135,849)	(19,400)	(38,941)	(772)	(2,792)	(26,829)	\$ (385,854)	
Annual Peak Resources	(7,223)	(5,921)	2,334	3,141	4,433	2,540	(2,504)	1,560	672	15,600	25,856	(8,320)	\$ 32,170	
Total Energy Credits	\$ (159,710)	\$ (82,256)	\$ (87,629)	\$ (73,927)	\$ (82,049)	\$ (64,010)	\$ (179,818)	\$ (71,618)	\$ (126,397)	\$ (69,631)	\$ (78,427)	\$ (130,283)	\$ (1,205,754)	
Net Energy Cost (\$)	\$ 940,821	\$ 904,445	\$ 888,531	\$ 808,620	\$ 782,384	\$ 824,857	\$ 951,582	\$ 911,220	\$ 705,455	\$ 915,843	\$ 931,886	\$ 947,434	\$ 10,513,076	
Power Delivery Cost (\$)	\$ 297,658	\$ 258,012	\$ 292,877	\$ 261,743	\$ 228,732	\$ 269,395	\$ 361,108	\$ 294,323	\$ 235,304	\$ 247,945	\$ 282,104	\$ 290,601	\$ 3,319,803	
Total Variable Cost (\$)	\$ 1,238,479	\$ 1,162,457	\$ 1,181,408	\$ 1,070,362	\$ 1,011,115	\$ 1,094,252	\$ 1,312,690	\$ 1,205,543	\$ 940,760	\$ 1,163,788	\$ 1,213,990	\$ 1,238,035	\$ 13,832,878	
Per Unit Summary														
Energy (\$/MWh)														
Dynamic Energy	\$ 57.07	\$ 51.12	\$ 41.24	\$ 34.32	\$ 34.93	\$ 35.12	\$ 44.03	\$ 40.23	\$ 36.74	\$ 37.44	\$ 37.81	\$ 39.31		
Energy Stabilization	(13.17)	(9.72)	(1.78)	3.67	3.71	3.77	(3.10)	(0.97)	1.61	2.31	2.35	0.69		
Renewable Energy	(1.43)	0.58	2.78	4.57	2.93	2.77	1.01	1.47	2.94	4.25	3.73	3.28		
Variable Margin Share	1.42	1.34	1.48	1.51	1.61	1.67	1.53	1.59	1.68	1.53	1.51	1.47		
Total Energy Cost	\$ 43.89	\$ 43.32	\$ 43.72	\$ 44.07	\$ 43.19	\$ 43.32	\$ 43.46	\$ 42.32	\$ 42.98	\$ 45.53	\$ 45.39	\$ 44.75		
Energy Credits (\$/MWh)														
MBR Energy Sales	\$ 8.02	\$ 5.79	\$ 1.35	\$ (2.48)	\$ (2.22)	\$ (1.91)	\$ 3.16	\$ 1.46	\$ (0.16)	\$ (0.42)	\$ (0.88)	\$ (0.39)		
Base Resources	(8.33)	(7.41)	(5.04)	(1.68)	(1.91)	(2.71)	(4.75)	(3.77)	(4.39)	(3.48)	(3.68)	(3.56)		
Monthly Peak Resources	(5.77)	(1.74)	(0.34)	0.31	(0.19)	1.37	(5.22)	(0.84)	(2.01)	(0.04)	(0.13)	(1.11)		
Annual Peak Resources	(0.29)	(0.26)	0.10	0.16	0.22	0.12	(0.10)	0.07	0.03	0.72	1.16	(0.35)		
Total Energy Credits	\$ (6.37)	\$ (3.61)	\$ (3.92)	\$ (3.69)	\$ (4.10)	\$ (3.12)	\$ (6.91)	\$ (3.08)	\$ (6.53)	\$ (3.22)	\$ (3.52)	\$ (5.41)		
Net Energy (\$/MWh)	\$ 50.26	\$ 46.93	\$ 47.65	\$ 47.77	\$ 47.29	\$ 46.44	\$ 50.37	\$ 45.40	\$ 49.51	\$ 48.75	\$ 48.91	\$ 50.16	\$ 39.33	
Power Delivery (\$/kW-month)	\$ 6.77	\$ 6.15	\$ 7.33	\$ 7.45	\$ 6.85	\$ 6.34	\$ 6.49	\$ 6.59	\$ 6.61	\$ 6.99	\$ 6.65	\$ 6.74	\$ 6.75	
Annual Budget for Fixed Costs and Credits														
Allocation Units														
Historic Average Energy Sales (MWh)	23,754	21,252	21,284	19,227	18,957	19,133	24,397	21,870	18,438	20,233	21,639	23,125	253,308	
Historic Average Monthly Peak (MW)	42	39	36	32	34	45	52	43	32	33	40	39		39
Historic Average Annual Peak (MW)	49	49	49	49	49	49	49	49	49	49	49	49		49
Fixed Costs (\$)														
Base Fixed Cost Share	\$ 454,109	\$ 393,052	\$ 389,755	\$ 336,632	\$ 337,844	\$ 417,235	\$ 562,274	\$ 498,050	\$ 388,202	\$ 405,311	\$ 431,429	\$ 476,146	\$ 5,090,039	
MPCR Fixed Cost Share	167,131	141,121	141,169	118,252	114,728	129,179	187,754	162,158	119,421	129,519	140,638	160,723	\$ 1,711,793	
APCR Fixed Cost Share	7,001	4,737	4,707	2,610	2,037	3,286	8,247	6,466	2,939	3,934	4,254	6,480	\$ 56,698	
Total Fixed Cost (\$)	\$ 628,241	\$ 538,910	\$ 535,631	\$ 457,494	\$ 454,609	\$ 549,700	\$ 758,275	\$ 666,674	\$ 510,562	\$ 538,764	\$ 576,321	\$ 643,349	\$ 6,858,530	
Per Unit Summary														
Base Fixed Cost Share (\$/MWh)	\$ 19.12	\$ 18.50	\$ 18.31	\$ 17.51	\$ 17.82	\$ 21.81	\$ 23.05	\$ 22.77	\$ 21.05	\$ 20.03	\$ 19.94	\$ 20.59	\$ 20.04	
MPCR Fixed Cost Share (\$/kW-month)	\$ 4.01	\$ 3.58	\$ 3.97	\$ 3.68	\$ 3.35	\$ 2.86	\$ 3.59	\$ 3.74	\$ 3.69	\$ 3.89	\$ 3.50	\$ 4.09	\$ 3.66	
APCR Fixed Cost Share (\$/kW-month)	\$ 0.14	\$ 0.10	\$ 0.10	\$ 0.05	\$ 0.04	\$ 0.07	\$ 0.17	\$ 0.13	\$ 0.06	\$ 0.08	\$ 0.09	\$ 0.13	\$ 0.10	

Presque Isle Electric & Gas 2022 Billing Projections – C&I Customers

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Average
Annual Forecast for Variable Costs and Credits														
Allocation Units														
Forecast Energy Sales (MWh)		1,222	1,131	1,236	1,147	1,196	1,285	1,494	1,408	1,210	1,198	1,105	1,159	14,791
Forecast Power Delivery Peak (MW)		2	2	2	2	2	2	3	2	1	2	2	2	2
Energy Cost (\$)														
Dynamic Energy	\$	69,467	\$ 57,977	\$ 51,359	\$ 39,753	\$ 42,080	\$ 45,164	\$ 64,785	\$ 56,774	\$ 45,371	\$ 45,803	\$ 42,915	\$ 47,408	\$ 608,856
Energy Stabilization		(17,617)	(11,814)	(2,118)	3,923	3,965	4,130	(4,305)	(1,202)	1,668	2,667	2,789	884	(17,031)
Renewable Energy		(1,927)	706	3,335	4,918	3,154	3,051	1,407	1,835	3,059	4,947	4,458	4,245	33,187
Variable Margin Share		1,915	1,641	1,775	1,628	1,733	1,842	2,135	1,985	1,748	1,783	1,802	1,905	21,892
Total Energy Cost	\$	51,838	\$ 48,510	\$ 54,350	\$ 50,221	\$ 50,931	\$ 54,187	\$ 64,022	\$ 59,392	\$ 51,846	\$ 55,199	\$ 51,965	\$ 54,442	\$ 646,904
Energy Credits (\$)														
MBR Energy Sales	\$	10,805	\$ 7,095	\$ 1,618	\$ (2,667)	\$ (2,391)	\$ (2,102)	\$ 4,416	\$ 1,820	\$ (165)	\$ (486)	\$ (1,048)	\$ (500)	\$ 16,396
Base Resources		-	-	-	-	-	-	-	-	-	-	-	-	-
Monthly Peak Resources		(6,675)	(1,829)	(349)	285	(174)	1,301	(6,267)	(895)	(1,796)	(36)	(129)	(1,238)	(17,801)
Annual Peak Resources		-	-	-	-	-	-	-	-	-	-	-	-	-
Total Energy Credits	\$	4,130	\$ 5,266	\$ 1,269	\$ (2,382)	\$ (2,564)	\$ (800)	\$ (1,851)	\$ 925	\$ (1,961)	\$ (521)	\$ (1,177)	\$ (1,737)	\$ (1,405)
Net Energy Cost (\$)	\$	55,968	\$ 53,776	\$ 55,619	\$ 47,839	\$ 48,367	\$ 53,386	\$ 62,171	\$ 60,317	\$ 49,885	\$ 54,678	\$ 50,789	\$ 52,704	\$ 645,499
Power Delivery Cost (\$)	\$	13,083	\$ 11,217	\$ 14,471	\$ 13,154	\$ 12,984	\$ 9,787	\$ 17,594	\$ 14,990	\$ 8,158	\$ 14,549	\$ 13,849	\$ 16,248	\$ 160,085
Total Variable Cost (\$)	\$	69,052	\$ 64,992	\$ 70,089	\$ 60,993	\$ 61,351	\$ 63,173	\$ 79,765	\$ 75,308	\$ 58,043	\$ 69,227	\$ 64,638	\$ 68,952	\$ 805,584
Per Unit Summary														
Energy (\$/MWh)														
Dynamic Energy	\$	56.86	\$ 51.26	\$ 41.55	\$ 34.67	\$ 35.19	\$ 35.15	\$ 43.35	\$ 40.33	\$ 37.51	\$ 38.23	\$ 38.83	\$ 40.89	
Energy Stabilization		(14.42)	(10.44)	(1.71)	3.42	3.32	3.21	(2.88)	(0.85)	1.38	2.23	2.52	0.76	
Renewable Energy		(1.58)	0.62	2.70	4.29	2.64	2.37	0.94	1.30	2.53	4.13	4.03	3.66	
Variable Margin Share		1.57	1.45	1.44	1.42	1.45	1.43	1.43	1.41	1.44	1.49	1.63	1.64	
Total Energy Cost	\$	42.43	\$ 42.89	\$ 43.97	\$ 43.80	\$ 42.60	\$ 42.17	\$ 42.84	\$ 42.19	\$ 42.86	\$ 46.07	\$ 47.02	\$ 46.96	
Energy Credits (\$/MWh)														
MBR Energy Sales	\$	8.84	\$ 6.27	\$ 1.31	\$ (2.33)	\$ (2.00)	\$ (1.64)	\$ 2.95	\$ 1.29	\$ (0.14)	\$ (0.41)	\$ (0.95)	\$ (0.43)	
Base Resources		-	-	-	-	-	-	-	-	-	-	-	-	
Monthly Peak Resources		(5.46)	(1.62)	(0.28)	0.25	(0.15)	1.01	(4.19)	(0.64)	(1.49)	(0.03)	(0.12)	(1.07)	
Annual Peak Resources		-	-	-	-	-	-	-	-	-	-	-	-	
Total Energy Credits	\$	3.38	\$ 4.66	\$ 1.03	\$ (2.08)	\$ (2.14)	\$ (0.62)	\$ (1.24)	\$ 0.66	\$ (1.62)	\$ (0.44)	\$ (1.06)	\$ (1.50)	
Net Energy (\$/MWh)	\$	39.05	\$ 38.23	\$ 42.94	\$ 45.87	\$ 44.74	\$ 42.79	\$ 44.08	\$ 41.53	\$ 44.48	\$ 46.51	\$ 48.09	\$ 48.46	\$ 43.64
Power Delivery (\$/kW-month)	\$	6.77	\$ 6.15	\$ 7.33	\$ 7.45	\$ 6.85	\$ 6.34	\$ 6.49	\$ 6.59	\$ 6.61	\$ 6.99	\$ 6.65	\$ 6.74	\$ 6.75

