

Purchased Power Cost Flow Through Increase (%)

Purchased Power Cost (excluding FAM)		
A	Purchased Power Cost Increase	\$ 222,896
B	Forecast Revenue (excluding base chgs)	\$ 7,065,484
C	% Rate Increase Required (A/B)	3.155%

Fuel Adjustment Mechanism		
D	FAM Adjustment	
E	Projected Energy Sales	39,918,500 kWh
F	D/E	- \$/kWh
	Unmetered base chg increase	\$ - \$/ year

[illegible]

Load Forecast for Recovery Period 2026/27 and 2027/28

Actual kWh Sales

	2023	2024	2025	% Change
Domestic	17,592,485	17,557,332	17,890,526	1.9%
Small General Service	887,198	875,900	895,290	2.2%
General Service	6,766,526	6,732,891	6,986,522	3.8%
Industrial	11,752,183	12,490,572	13,006,040	4.1%
Lighting Misc	335,952	335,952	335,952	0.0%
	37,334,344	37,992,647	39,114,330	3.0%

Forecast kWh Sales - % as per GRA

% Growth	2026	2027
from GRA		
3.2%	18,471,675	19,071,701
0.0%	895,290	895,290
0.0%	6,986,522	6,986,522
0.0%	13,006,040	13,006,040
0.0%	335,952	335,952
	39,695,479	40,295,505
	1.5%	1.5%

Fiscal Year - April 1, 2026 to Mar 31, 2028

Apr 1 2026	Energy Split	
Mar 31 2027	Jan 1 to Mar 31	April 1 to Dec 31
18,694,696	37.2%	62.8%
895,290	31.9%	68.1%
6,986,522	27.4%	72.6%
13,006,040	23.5%	76.5%
335,952	27.7%	72.3%
39,918,500	30.7%	69.3%

Computation of Purchase Volumes (kWh) and System Peak

Total kWh all Classes	2026/27
Domestic	18,694,696
Small General Service	895,290
General Service	6,986,522
Industrial	13,006,040
Lighting Misc	335,952
Total kWh all Classes	39,918,500
Line Losses Percentage	4.30%
Line Losses kWh	1,793,621
Gross kWh Purchases	41,712,121

source: Berwick General Rate Application, June 2023, see Section 5.3 Purchased Power

Computation of Revenues at Current Rates and Adjusted Rates

	2026/27
Rates - adjustment % applied to energy and demand rates	3.155%

	Current	Adjusted
Domestic		
Customer Connections	1,364	1,364
kWh Consumption	18,694,696	18,694,696
Current Rates Rates		
Basic Charge	20.6525	20.6525
Energy Charge	0.1789	0.1845
Revenue from Energy Charges	\$ 3,344,481	\$ 3,449,990
Small General Service		
Customer Connections	109	109
kWh Consumption	895,290	895,290
Current Rates Rates		
Basic Charge	19.0568	19.0568
Energy Charge	0.1802	0.1859
Revenue from Energy Charges	\$ 161,331	\$ 166,421
General Service		
Customer Connections	71	71
Consumption kWh	6,986,522	6,986,522
Demand kW	22,312	22,312
Demand Charge	20.8673	21.5256
Energy Charge	0.1276	0.1316
Revenue from Demand and Energy Charges	\$ 1,357,070	\$ 1,399,882

Industrial		
Customer Connections	2	2
Consumption kWh	13,006,040	13,006,040
Demand kW	32,748	32,748
Demand Charge	18.3101	18.8877

GRA Test Yr - not used

Rates Effective March 15, 2024
Rates Effective March 15, 2024

check 0.00%

GRA Test Yr - not used

Rates Effective March 15, 2024
Rates Effective March 15, 2024

check 0.00%

Assume 2023 customers

26.2 Estimated from 2023 GRA demand, Exhibit 7 Billing Determinants

Rates Effective March 15, 2024
Rates Effective March 15, 2024

check 0.00%

Assume 2023 customers

1,364.5 Estimated from 2023 GRA demand, Exhibit 7 Billing Determinants

Rates Effective March 15, 2024

Customer/ Base Charge Revenue

\$ 338,040

\$ 24,926

Rates Effective March 15, 2024

check 0.00%

FAM

Exhibit:	7	7	4-2	4-4	4-3	4-4		
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\$ 427,168

\$ (0)

Actual Energy Sales - kWh

	1	2	3	4	5	6	7	8	9	10	11	12		
Month in 2023														
kWh	January	February	March	April	May	June	July	August	September	October	November	December	Annual	check
Domestic	2,226,448	2,040,969	2,271,450	1,485,941	1,625,325	1,033,759	989,368	944,551	1,101,163	1,020,537	1,399,349	1,453,626	17,592,485	17,592,485
Small General !	106,861	86,544	89,581	67,915	57,646	51,885	63,377	72,414	50,482	63,877	79,899	96,717	887,198	887,198
General Service	680,408	572,414	602,815	496,841	517,743	472,942	596,018	630,389	437,795	566,559	584,961	607,640	6,766,526	6,766,526
Industrial	917,885	910,708	928,862	992,497	1,096,591	957,836	1,042,924	1,011,235	1,029,058	912,785	988,057	963,745	11,752,183	11,752,183
Lighting Misc	34,341	27,791	30,769	24,591	23,625	21,135	23,625	25,411	28,048	30,769	31,505	34,341	335,952	335,952
Total Actual	3,965,942	3,638,426	3,923,477	3,067,786	3,320,931	2,537,556	2,715,312	2,684,001	2,646,546	2,594,527	3,083,771	3,156,069	37,334,344	

Month in 2024														
kWh	January	February	March	April	May	June	July	August	September	October	November	December	Annual	check
Domestic	2,221,999	2,036,890	2,266,911	1,482,972	1,622,078	1,031,693	987,391	942,664	1,098,962	1,018,498	1,396,553	1,450,721	17,557,332	17,557,332
Small General !	105,500	85,442	88,440	67,051	56,912	51,224	62,570	71,492	49,839	63,064	78,882	95,485	875,900	875,900
General Service	677,026	569,569	599,818	494,371	515,170	470,591	593,056	627,256	435,619	563,742	582,054	604,619	6,732,891	6,732,891
Industrial	975,556	967,927	987,223	1,054,856	1,165,490	1,018,016	1,108,451	1,074,771	1,093,714	970,135	1,050,136	1,024,297	12,490,572	12,490,572
Lighting Misc	34,341	27,791	30,769	24,591	23,625	21,135	23,625	25,411	28,048	30,769	31,505	34,341	335,952	335,952
Total Actual	4,014,421	3,687,620	3,973,161	3,123,841	3,383,274	2,592,659	2,775,092	2,741,594	2,706,183	2,646,208	3,139,129	3,209,464	37,992,647	

Month in 2025														
kWh	January	February	March	April	May	June	July	August	September	October	November	December	Annual	check
Domestic	2,264,167	2,075,545	2,309,932	1,511,115	1,652,861	1,051,272	1,006,129	960,553	1,119,818	1,037,826	1,423,056	1,478,252	17,890,526	17,890,526
Small General !	107,835	87,333	90,398	68,535	58,171	52,358	63,955	73,075	50,943	64,460	80,628	97,599	895,290	895,290
General Service	702,530	591,025	622,414	512,995	534,576	488,318	615,396	650,885	452,029	584,979	603,980	627,396	6,986,522	6,986,522
Industrial	1,015,815	1,007,872	1,027,964	1,098,388	1,213,588	1,060,029	1,154,195	1,119,125	1,138,850	1,010,171	1,093,474	1,066,569	13,006,040	13,006,040
Lighting Misc	34,341	27,791	30,769	24,591	23,625	21,135	23,625	25,411	28,048	30,769	31,505	34,341	335,952	335,952
Total Actual	4,124,688	3,789,567	4,081,476	3,215,624	3,482,822	2,673,112	2,863,300	2,829,049	2,789,687	2,728,205	3,232,642	3,304,156	39,114,330	

Source Data from GRA
BERWICK ELECTRIC COMMISSION
Load Forecast
For the test year Calendar 2023

Exhibit 2

Connections	Actual 2021	Forecast 2022	% Change	Test Year 2023	% Change
Domestic	1,323	1,339	1.2%	1,364	1.9%
Small General Service	99	109	10.1%	109	0.0%
General Service	68	69	1.5%	71	2.9%
Industrial	2	2	0.0%	2	0.0%
Lighting Misc	415	415	0.0%	415	0.0%
TOTAL	1,907	1,934	1.4%	1,961	1.4%

Energy - kWh	Actual 2021	Forecast 2022	% Change	Test Year 2023	% Change
Domestic	15,942,928	16,915,789	6.1%	17,465,275	3.2%
Small General Service	680,169	802,578	18.0%	802,578	0.0%
General Service	7,293,932	6,608,028	-9.4%	6,608,028	0.0%
Industrial	10,975,624	11,970,035	9.1%	11,970,035	0.0%
Lighting Misc	335,952	335,952	0.0%	335,952	0.0%
TOTAL	35,228,605	36,632,382	4.0%	37,181,868	1.5%

Demand (CP) - kW	Test Year 2023
Domestic	3,923
Small General Service	158
General Service	1,240
Industrial	2,009
Lighting Misc	10.5
TOTAL	7,340

Source Data:

1 Utility Service History Summary

Data used to determine the annual energy consumption kWh for calendar year 202

2023		
Service Code	Description	Consumption
EGCONS	General Consumption	6,766,526
ESGCONS	Small General Consumption	887,198
EICON5	Industrial Consumption	11,752,183
Commercial Total		19,405,907

Service Code
EGCONS
ESGCONS
EICON5

ERNET1	Residential Net Metered DEL	85,762
ERNET2	Residential Net Metered REC	(16,018)
EROPC	idential OFF Peak Charging (KN	205,120
EROPCR	idential OFF Peak Recieved (KN	(17,120)
ERCONS	Residential Consumption	16,832,592
ETOD1	Time of Day Rate 1 On Peak	24,592
ETOD2	Time of Day Rate 2 Shoulder	79,865
ETOD4	Time of Day Rate 4 Off Peak	272,092
ETODB1	TOD Bi-Dir Off Peak Rate 1	93,832
ETODB2	TOD Bi-Dir Should Rate 2	36,767
ETODB3	TOD Bi-Dir On Peak Rate 3	14,853
ETODB5	TOD Bi-Dir Self Gen Off Peak 5	(6,125)
ETODB6	TOD Bi-Dir Self Gen Shoulder 6	(13,392)
ETODB7	TOD Bi-Dir Self Gen On Peak 7	(335)

ERNET1
ERNET2
EROPC
ERCONS
ETOD1
ETOD2
ETOD4
ETODB1
ETODB2
ETODB3
ETODB5
ETODB6
ETODB7

Residential Total 17,592,485

2 Monthly Allocation of Annual Total Energy

Source file from GRA: C2023 BEC TEST YEAR.xlsx, kWh Data tab os spreads

		1:0100	
		F22 ESTIMATE (AVERAGE)	PROJECTION F22
J	DOMESTIC 19	2,055,040	2,064,029
F	DOMESTIC 18	2,032,146	2,043,593
M		1,947,712	1,873,347
A		2,126,697	2,043,102
M		1,396,767	1,331,039
J		1,527,924	1,455,756
J		1,023,501	874,215
A		914,189	902,036
S		859,886	874,067
O		1,102,938	918,514
N		899,924	973,520
D		1,210,549	1,358,296
		1,287,228	1,381,255
		16,352,355	15,942,928
		16,147,642	16,309,118

3 Unmetered Monthly Load %

source: GRA load shape analysis, Berwick I

Month	Jan	Feb	Mar	Apr
	10.2%	8.3%	9.2%	7.3%

Source file: Utility Service History Summary - 2023 - 2025.xlsx

2025		
Service Code	Description	Consumption
EGCONS	General Consumption	6,986,522
EICONS	Industrial Consumption	13,006,040
ESGCONS	Small General Consumption	895,290
ESGNET2	Small General Net Metered KwhR	(12,480)

ERNET1	Residential Net Metered DEL	221,571
ERNET2	Residential Net Metered REC	(87,774)
EROPC	Residential Off Peak Charging (KMCC)	153,440
ERCONS	Residential Consumption	17,084,117
ETOD1	Time of Day Rate 1 On Peak	35,502
ETOD2	Time of Day Rate 2 Shoulder	83,167
ETOD4	Time of Day Rate 4 Off Peak	276,784
ETODB1	TOD Bi-Dir Off Peak Rate 1	97,597
ETODB2	TOD Bi-Dir Should Rate 2	36,406
ETODB3	TOD Bi-Dir On Peak Rate 3	17,665
ETODB5	TOD Bi-Dir Self Gen Off Peak 5	(8,003)
ETODB6	TOD Bi-Dir Self Gen Shoulder 6	(19,735)
ETODB7	TOD Bi-Dir Self Gen On Peak 7	(211)
Residential Total		17,890,526

1.0000

Monthly %	SM GENERAL 19	SM GENERAL 18	F22 ESTIMATE (AVERAGE)	PROJECTION F22	Monthly %	GENERAL 19	GENERAL 18	F22 ESTIMATE (AVERAGE)	PROJECTION F22	Monthly %	F22 ESTIMATE (AVERAGE)		Monthly %	
											INDUSTRIAL 19	INDUSTRIAL 20		
13%	89,115	76,903	83,009	83,009	12%	770,908	690,483	730,696	730,696	10%	931,300	857,233	894,267	8%
12%	73,605	60,849	67,227	67,227	10%	650,824	578,616	614,720	614,720	8%	735,398	850,530	792,964	8%
13%	63,246	75,926	69,586	69,586	10%	604,405	690,330	647,368	647,368	9%	828,495	867,485	847,990	8%
8%	53,731	51,782	52,757	52,757	8%	552,022	515,101	533,562	533,562	7%	840,266	926,915	883,591	8%
9%	50,779	38,779	44,779	44,779	6%	575,239	536,778	556,009	556,009	8%	881,824	1,024,131	952,978	9%
6%	45,326	35,282	40,304	40,304	6%	507,563	508,228	507,896	507,896	7%	874,922	894,544	884,733	8%
6%	46,790	51,672	49,231	49,231	7%	566,718	713,419	640,069	640,069	9%	909,943	974,010	941,977	9%
5%	52,945	59,557	56,251	56,251	8%	638,876	715,084	676,980	676,980	9%	1,000,610	944,415	972,513	9%
6%	39,913	38,516	39,215	39,215	6%	445,029	495,274	470,152	470,152	6%	790,122	961,060	875,591	9%
6%	50,278	48,961	49,620	49,620	7%	646,864	569,999	608,432	608,432	8%	1,003,613	852,470	928,042	8%
8%	58,458	65,673	62,066	62,066	9%	624,171	632,218	628,195	628,195	9%	830,809	922,768	876,789	8%
8%	73,990	76,269	75,130	75,130	11%	656,696	648,402	652,549	652,549	9%	900,063	900,063	900,063	8%
100%	698,176	680,169	689,173	689,173	100%	7,239,315	7,293,932	7,266,624	7,266,624	100%	10,527,365	10,975,624	10,751,494	100%

May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
7.0%	6.3%	7.0%	7.6%		8.3%	9.2%	9.4%	10.2%