

Versant Power (f/k/a Emera Maine) - Bangor Hydro District (BHD)
 Calculations in Support of Schedule 21-VP Rates
 Jan 1, 2023 through Dec 31, 2023
 Summary of Charges for Wholesale Load on the BHD System
 Worksheet 1
 Implemented Charges Based on 2021 Data and Certain Forecasts

VP Attachment 6 - Schedule 21-VP 2023 Ratemaking

Line	a Amount	b \$ / MW / Yr	c = b / 12 \$ / MW / Mo	d = b / 52 \$ / MW / Wk	e = b / 365 \$ / MW / Day	f = b / 8760 \$ / MW / Hr	Reference(s)						
								Rates					
								Annual	Monthly	Weekly	Daily	Hourly	
1 Scheduling, System Control and Dispatch Service													
2 Scheduling Revenue Requirement	\$ 341,467						WS 5 at 3a						
3 Scheduling, System Control and Dispatch Service		\$ 1,378.27	\$ 114.86	\$ 26.51	\$ 3.78	\$ 0.15734	3b = 2a / WS 4 at 13f						
4													
5 Charges For Wholesale Customers Interconnected on the BHD System - Non-PTF Service													
6 Non-PTF Revenue Requirement	\$ 26,433,532						VP Attachment 2 - Sched 21 - VP 2021 Actuals, Exhibit 2a Line 43(b) - 42(b)+ 48 thru 52(c) + VP Attachment 2 - Transition Forecast, WS 3 (Line 2+3)						
7 For Services Below:		\$ 106,694.38	\$ 8,891.20	\$ 2,051.81	\$ 292.31	\$ 12.17972	7b = 6a / WS 4 at 13f						
8 Long-Term Firm Point-To-Point Transmission Service													
9 Short-Term Firm Point-To-Point Transmission Service													
10 Non-Firm Point-To-Point Transmission Service													
11 Network Integration Transmission Service													
12													
13 Charges For Wholesale Customers Interconnected on the BHD System - PTF Service													
14 PTF Revenue Requirement	\$ -						n/a						
15 For Services Below:		\$ -	\$ -	\$ -	\$ -	\$ -	15b = 14a / WS 4 at 13d						
16 Long-Term Firm Point-To-Point Transmission Service													
17 Short-Term Firm Point-To-Point Transmission Service													
18 Non-Firm Point-To-Point Transmission Service													
19 Network Integration Transmission Service													
20													
21 Charges For Wholesale Customers Interconnected on the BHD System - Unit Costs of Acting as Customer's Agent for Service													
22 RNS & ISO New England Costs	\$ 35,061,134						WS 7 Line 4						
23 For Services Below:		\$ 144,433.09	\$ 12,036.09	\$ 2,777.56	\$ 395.71	\$ 16.48780	23b = 22a / WS4 at 13e						
24 Long-Term Firm Point-To-Point Transmission Service													
25 Short-Term Firm Point-To-Point Transmission Service													
26 Non-Firm Point-To-Point Transmission Service													
27 Network Integration Transmission Service													

Line	a Amount	b \$ / MW / Yr	c = b / 12 \$ / MW / Mo	d = b / 52 \$ / MW / Wk	e = b / 365 \$ / MW / Day	f = b / 8760 \$ / MW / Hr	Reference(s)					
								Rates				
								Annual	Monthly	Weekly	Daily	Hourly
1 Scheduling, System Control and Dispatch Service												
2 Scheduling Revenue Requirement	\$ 341,467						WS 5 at 3a					
3 Scheduling, System Control and Dispatch Service		\$ 1,378.27	\$ 114.86	\$ 26.51	\$ 3.78	\$ 0.15734	3b = 2a / WS 4 at 13f					
4												
5 Charges For Wheeling Off the the BHD System												
6 Non-PTF Revenue Requirement	\$ 26,266,005						VP Attachment 2 - Sched 21 - VP 2021 Actuals, Exhibit 2b Line 54(b)-42(b) + VP Attachment 2 - Transition Forecast, WS 3 (Line 2+3)					
7 For Services Below:		\$ 106,018.18	\$ 8,834.85	\$ 2,038.81	\$ 290.46	\$ 12.10253	7b = 6a / WS 4 at 13f					
8 Long-Term Firm Point-To-Point Transmission Service												
9 Short-Term Firm Point-To-Point Transmission Service												
10 Non-Firm Point-To-Point Transmission Service												
11 Network Integration Transmission Service												

Line	a Amount	b \$/MW/Yr	c = b / 12 \$/MW/Mo	d = b / 52 \$/MW/Wk	e = b / 365 \$/MW/Day	f = b / 8760 \$/MW/Hr	Reference(s)						
								Rates					
								Annual	Monthly	Weekly	Daily	Hourly	
1 Scheduling, System Control and Dispatch Service													
2 Scheduling Revenue Requirement	\$ 341,467						WS 5 at 3a						
3 Scheduling, System Control and Dispatch Service Rate		\$ 1,378.27	\$ 114.86	\$ 26.51	\$ 3.78	\$ 0.15734	3b = 2a / WS 4 at 13f						
4													
5 Charges For Retail Customers Interconnected on the BHD System - Non PTF Service													
6 Non-PTF Revenue Requirement	\$ 28,195,498						VP Attachment 2 - Transition Forecast WS 3 Line 4b						
7 For Services Below:		\$ 113,806.25	\$ 9,483.85	\$ 2,188.58	\$ 311.80	\$ 12.99158	7b = 6a / WS 4 at 13f						
8 Long-Term Firm Point-To-Point Transmission Service													
9 Short-Term Firm Point-To-Point Transmission Service													
10 Non-Firm Point-To-Point Transmission Service													
11 Network Integration Transmission Service													
12													
13 Charges For Retail Customers Interconnected on the BHD System - PTF Service													
14 PTF Revenue Requirement	\$ -						n/a						
15 For Services Below:		\$ -	\$ -	\$ -	\$ -	\$ -	15b = 14a / WS 4 at 13d						
16 Long-Term Firm Point-To-Point Transmission Service													
17 Short-Term Firm Point-To-Point Transmission Service													
18 Non-Firm Point-To-Point Transmission Service													
19 Network Integration Transmission Service													
20													
21 Charges For Retail Customers Interconnected on the BHD System - Unit Costs of Acting as Customer's Agent for Service													
22 RNS & ISO New England Costs	\$ 35,061,134						WS 7 Line 4						
23 For Services Below:		\$ 144,433.09	\$ 12,036.09	\$ 2,777.56	\$ 395.71	\$ 16.48780	23b = 22a / WS4 at 13e						
24 Long-Term Firm Point-To-Point Transmission Service													
25 Short-Term Firm Point-To-Point Transmission Service													
26 Non-Firm Point-To-Point Transmission Service													
27 Network Integration Transmission Service													

Calculations in Support of Schedule 21-VP Rates

Jan 1, 2023 through Dec 31, 2023

Monthly Peak Load Information

Worksheet 4

Implemented Charges Based on 2021 Data and Certain Forecasts

Line	Month	a	b	c	d = a + b	e (= a)	f = c + d	Reference(s)
		Total System Load MW	Firm P-to-P Reserved (Note 1) MW	Denominator Wheeling Out Load (Note 2) MW	Firm Load Excl. Wheeling Out Service MW	Firm Load for which EM provides ISO Services MW	Including Wheeling Out Load MW	
1	January	244	5	0	249	244	249	FF1 at 401b:29d
2	February	252	5	0	257	252	257	FF1 at 401b:29d
3	March	255	5	0	260	255	260	FF1 at 401b:29d
4	April	202	5	0	207	202	207	FF1 at 401b:29d
5	May	209	5	0	214	209	214	FF1 at 401b:29d
6	June	288	5	0	293	288	293	FF1 at 401b:29d
7	July	249	5	0	254	249	254	FF1 at 401b:29d
8	August	296	5	0	301	296	301	FF1 at 401b:29d
9	September	227	5	0	232	227	232	FF1 at 401b:29d
10	October	210	5	0	215	210	215	FF1 at 401b:29d
11	November	235	5	0	240	235	240	FF1 at 401b:29d
12	December	246	5	0	251	246	251	FF1 at 401b:29d
13	Average 12-CP	243	5	0	248	243	248	Average Lines 1:12

Notes

- Column b includes LT Firm PTP reservations for both CMP. Source: FF1 at 329:h.
- Column c includes any Contingent LT Firm loads. Source: Bangor Hydro Electric Co., Letter Order, Docket No. ER09-1103-000 (Jun. 18, 2009).

Versant Power (f/k/a Emera Maine) - Bangor Hydro District (BHD)
 Calculations in Support of Schedule 21-VP Rates
 Jan 1, 2023 through Dec 31, 2023
 Scheduling, System Control and Dispatch Service
 Worksheet 5
 Implemented Charges Based on 2021 Data and Certain Forecasts

VP Attachment 6 - Schedule 21-VP 2023 Ratemaking

Line	a	Amount	Reference(s)
1		\$ 1,282,503	FF1 at 321:85b, Company Records
2		\$ 941,036	Note 1
3		<u>\$ 341,467</u>	Line 1 - Line 2

Notes

1 ISO Invoice (annual amount) + Exhibit: Short-term & Non-firm Sch 1 Revenues

Line	Customer Class	a Billed kWh FERC Form 1	b Billing kW	c 12-CP kW @ Meter	d = c / a kW/kWh Conversion Factor	e = c / b 12CP to Billing kW conversion Factor	Reference(s)
1	Residential Service	679,135,042		103,150	0.00015		2021 Actuals
2	General Service	164,771,713		24,847	0.00015		2021 Actuals
3	Medium & Large Primary, Secondary & Subtransmission	607,315,380	146,025	87,226	0.00014	0.59734	2021 Actuals
4	Large Power - Transmission Voltage	6,886,551	9,729	1,540	0.00022	0.15829	2021 Actuals
5	High Tension D-5/F-2	-					2021 Actuals
6	Lighting	6,452,813		557	0.00009		2021 Actuals
7	Competitive Power	130,240	-	18	0.00014	0	2021 Actuals
8	Coincident Peak - Secondary Voltage	-					2021 Actuals
9	Coincident Peak - Primary Voltage	-					2021 Actuals
10	Coincident Peak - Subtransmission Voltage	11,760,472	1,087	1,087	-		2021 Actuals
11	Coincident Peak - Transmission Voltage	11,721,820	623	623	-		2021 Actuals
12	Total	1,488,174,030	157,464	219,047			

Line	Customer Class	a Billed kWh FERC Form 1 (Note 1)	b Billing (kW)	c 12-CP kW @ Meter	d kW/kWh Conversion Factor	e Loss Factor	f = d / e Loss Adjusted kW/kWh Conversion Factor	g = c / b 12CP to Billing kW Conversion Factor	h Loss Factor	i = h / g Loss Adjusted 12 CP to Billing kW Conversion Factor	Reference(s)
13	Residential Service	679,135,042	-	103,150	0.00015	0.89960	0.00017				2021 Actuals
14	General Service	164,771,713	-	24,847	0.00015	0.89960	0.00017				2021 Actuals
15	Medium Power Secondary	360,133,456	92,407	51,321	0.00014	0.89960		0.59734	0.89372	0.66837	2021 Actuals
16	Medium Power Primary	44,145,233	10,628	6,593	0.00014	0.94356		0.59734	0.92536	0.64552	2021 Actuals
17	Large Power - Primary Voltage	116,696,265	21,866	15,541	0.00014	0.94356		0.59734	0.92536	0.64552	2021 Actuals
18	Large Power - Subtransmission Voltage	86,340,426	21,124	13,771	0.00014	0.97283		0.59734	0.96077	0.62173	2021 Actuals
19	Large Power - Transmission Voltage	6,886,551	9,729	1,540	0.00022	0.98841		0.15829	0.98465	0.16076	2021 Actuals
20	High Tension D-5/F-2	-				0.98841	0.00000				2021 Actuals
21	Street & Area Lighting	5,126,886		442	0.00009	0.89960	0.00010				2021 Actuals
22	Municipal Lighting	1,325,927		114	0.00009	0.89960	0.00010				2021 Actuals
23	Competitive Power Secondary Voltage	-			0.00014	0.89960	0.00015	0.00000	0.89372	0.00000	2021 Actuals
24	Competitive Power Primary Voltage	130,240		18	0.00014	0.94356	0.00014	0.00000	0.92536	0.00000	2021 Actuals
25	Competitive Power Subtransmission Voltage	-			0.00014	0.97283	0.00014	0.00000	0.96077	0.00000	2021 Actuals
26	Coincident Peak - Secondary Voltage	-			0.00014	0.89960		1.00000	0.89372	1.11892	2021 Actuals
27	Coincident Peak - Primary Voltage	-			0.00014	0.94356		1.00000	0.92536	1.08066	2021 Actuals
28	Coincident Peak - Subtransmission Voltage	11,760,472	1,087	1,087	-	0.97283		1.00000	0.96077	1.04083	2021 Actuals
29	Coincident Peak - Transmission Voltage	11,721,820	623	623	-	0.98841		1.00000	0.98465	1.01559	2021 Actuals
30	Total	1,488,174,030	157,464	219,047							

Notes

* Versant Power will supply losses to retail customers taking standard offer service. Customers not taking Versant Power standard offer service (or those customers' energy suppliers) will be responsible for losses.

Versant Power (f/k/a Emera Maine) - Bangor Hydro District (BHD)
 Calculations in Support of Schedule 21-VP Rates
 Jan 1, 2023 through Dec 31, 2023
 RNS Charges
 Worksheet 7
 Implemented Charges Based on 2021 Data and Certain Forecasts

VP Attachment 6 - Schedule 21-VP 2023 Ratemaking

Line		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	BHD RNS & ISO Charges													
2	2021 actual	\$ 2,793,899	\$ 2,883,899	\$ 2,922,807	\$ 2,328,629	\$ 2,390,063	\$ 3,547,019	\$ 3,081,801	\$ 3,647,472	\$ 2,810,490	\$ 2,617,446	\$ 2,933,984	\$ 2,970,336	\$ 34,927,845
3	2022 forecast	\$ 3,296,526	\$ 3,096,587	\$ 2,966,201	\$ 2,574,018	\$ 2,529,455	\$ 3,071,261	\$ 3,347,915	\$ 3,482,012	\$ 2,795,829	\$ 2,675,763	\$ 2,933,020	\$ 3,113,993	\$ 35,882,580
4	2023 forecast	\$ 3,034,305	\$ 3,043,648	\$ 2,915,700	\$ 2,530,223	\$ 2,486,227	\$ 3,018,637	\$ 3,290,164	\$ 3,422,102	\$ 2,747,901	\$ 2,630,107	\$ 2,883,054	\$ 3,059,067	\$ 35,061,134

Line	2021 Jan	2021 Feb	2021 Mar	2021 Apr	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	Total
1 ISO Schedule 1 RNS Charge	\$ 47,351	\$ 48,883	\$ 49,463	\$ 39,205	\$ 40,524	\$ 55,752	\$ 48,349	\$ 57,345	\$ 43,960	\$ 40,699	\$ 45,596	\$ 47,766	\$ 564,894
2 ISO Schedule 5 RNS Charge	\$ 1,529	\$ 1,579	\$ 1,597	\$ 1,266	\$ 1,309	\$ 1,801	\$ 1,562	\$ 1,852	\$ 1,420	\$ 1,314	\$ 1,473	\$ 1,543	\$ 18,244
3 ISO Schedule 1 TOUT Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 OATT Schedule 1 RNS Charge	\$ 35,530	\$ 36,679	\$ 37,115	\$ 29,418	\$ 30,407	\$ 44,789	\$ 38,842	\$ 46,069	\$ 35,316	\$ 32,696	\$ 36,630	\$ 38,373	\$ 441,864
5 OATT Schedule 9 Pre-97 RNS Charge	\$ 305,558	\$ 315,440	\$ 319,184	\$ 252,994	\$ 261,503	\$ 412,057	\$ 357,343	\$ 423,832	\$ 324,905	\$ 300,802	\$ 336,998	\$ 353,032	\$ 3,963,648
6 OATT Schedule 9 Post-96 RNS Charge	\$ 2,325,911	\$ 2,401,137	\$ 2,429,633	\$ 1,925,790	\$ 1,990,561	\$ 2,967,194	\$ 2,573,200	\$ 3,051,980	\$ 2,339,618	\$ 2,166,053	\$ 2,426,694	\$ 2,542,160	\$ 29,139,932
7 OATT Schedule 1 TOUT Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 OATT Schedule 8 TOUT Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9 Charges	\$ 2,715,880	\$ 2,803,718	\$ 2,836,992	\$ 2,248,673	\$ 2,324,304	\$ 3,481,593	\$ 3,019,295	\$ 3,581,078	\$ 2,745,219	\$ 2,541,565	\$ 2,847,391	\$ 2,982,874	\$ 34,128,582
10 ISO Schedule 1 TOUT Payment	\$ 936	\$ 877	\$ 999	\$ 1,130	\$ 664	\$ 905	\$ 1,009	\$ 1,247	\$ 1,082	\$ 792	\$ 841	\$ 844	\$ 11,328
11 OATT Schedule 1 RNS Payment	\$ 59,726	\$ 57,534	\$ 56,418	\$ 47,046	\$ 59,403	\$ 84,500	\$ 75,991	\$ 82,682	\$ 66,143	\$ 50,391	\$ 55,208	\$ 57,859	\$ 752,902
12 OATT Schedule 9 Pre-97 RNS Payment	\$ 56,588	\$ 54,512	\$ 53,456	\$ 44,579	\$ 56,282	\$ 71,365	\$ 64,178	\$ 69,828	\$ 55,861	\$ 42,557	\$ 46,625	\$ 48,865	\$ 664,698
13 OATT Schedule 9 Post-96 RNS Payment	\$ 3,204,485	\$ 3,086,889	\$ 3,027,131	\$ 2,524,394	\$ 3,187,155	\$ 4,358,914	\$ 3,919,974	\$ 4,265,075	\$ 3,411,946	\$ 2,599,380	\$ 2,847,823	\$ 2,984,654	\$ 39,417,819
14 OATT Schedule 1 TOUT Payment	\$ 2,293	\$ 2,455	\$ 4,182	\$ 4,624	\$ 4,460	\$ 3,978	\$ 4,042	\$ 3,841	\$ 4,045	\$ 3,173	\$ 3,818	\$ 2,590	\$ 43,499
15 OATT Schedule 8 TOUT Payment	\$ 128,287	\$ 129,340	\$ 80,362	\$ 30,298	\$ 27,404	\$ 22,230	\$ 29,551	\$ 45,240	\$ 20,743	\$ 8,045	\$ 241,394	\$ 120,271	\$ 883,165
16 Credits	\$ 3,452,314	\$ 3,331,607	\$ 3,222,549	\$ 2,652,069	\$ 3,335,368	\$ 4,541,893	\$ 4,094,746	\$ 4,467,913	\$ 3,559,819	\$ 2,704,339	\$ 3,195,708	\$ 3,215,084	\$ 41,773,411
17 Non Transmission Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18 Transmission Expenses	\$ 78,019	\$ 80,182	\$ 85,815	\$ 79,956	\$ 65,759	\$ 65,426	\$ 62,505	\$ 66,394	\$ 65,271	\$ 75,881	\$ 86,593	\$ (12,538)	\$ 799,264
19 NEPOOL Expenses	\$ 78,019	\$ 80,182	\$ 85,815	\$ 79,956	\$ 65,759	\$ 65,426	\$ 62,505	\$ 66,394	\$ 65,271	\$ 75,881	\$ 86,593	\$ (12,538)	\$ 799,264
20 ISO Schedule 1 TOUT Adj	\$ 0	\$ (0)	\$ (0)	\$ 1	\$ 0	\$ 1	\$ 1	\$ 1	\$ (0)	\$ 0	\$ (0)	\$ (13)	\$ (9)
21 OATT Schedule1 RNS Adj	\$ (5)	\$ 24	\$ 17	\$ (78)	\$ (9)	\$ (62)	\$ (28)	\$ (89)	\$ 35	\$ (6)	\$ (8)	\$ 759	\$ 550
22 OATT Schedule 9 RNS Adj	\$ (263)	\$ 1,298	\$ 932	\$ (4,233)	\$ (479)	\$ (3,396)	\$ (1,555)	\$ (4,846)	\$ 1,814	\$ (331)	\$ (442)	\$ 39,815	\$ 28,314
23 OATT Schedule 1 TOUT Adj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24 OATT Schedule 8 TOUT Adj	\$ -	\$ -	\$ -	\$ 1,233	\$ 1,243	\$ 772	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,248
25 Other Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27 EM Net RNS Payment	\$ (658,683)	\$ (446,386)	\$ (298,793)	\$ (326,517)	\$ (944,550)	\$ (997,558)	\$ (1,014,527)	\$ (825,374)	\$ (747,482)	\$ (87,230)	\$ (262,175)	\$ (204,186)	\$ (6,813,463)
28													
29 Reconciliation													
30 Charges - TOTAL	\$ 2,793,899	\$ 2,883,899	\$ 2,922,807	\$ 2,328,629	\$ 2,390,063	\$ 3,547,019	\$ 3,081,801	\$ 3,647,472	\$ 2,810,490	\$ 2,617,446	\$ 2,933,984	\$ 2,970,336	\$ 34,927,845
31 (less) Non-Transmission Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32 Charges - Amount to WS 7	\$ 2,793,899	\$ 2,883,899	\$ 2,922,807	\$ 2,328,629	\$ 2,390,063	\$ 3,547,019	\$ 3,081,801	\$ 3,647,472	\$ 2,810,490	\$ 2,617,446	\$ 2,933,984	\$ 2,970,336	\$ 34,927,845

Calculations in Support of Schedule 21-VP Rates

Jan 1, 2023 through Dec 31, 2023

Short-Term & Non-Firm Schedule 1 Revenues for 2020

Worksheet 9

Implemented Charges Based on 2021 Data and Certain Forecasts

Line	Local Point-to-Point Customers	Sch 1 \$
1	Black Bear HVGW	\$ -
2	Black Bear Hydro Partners	\$ 33,551
3	Brookfield Energy	\$ 145,740
4	Stored Solar	\$ 4,336
5	Black Bear SO	\$ 5,056
6		
7	Total	\$ 188,683

Schedule 1 revenues associated with short-term and non-firm transactions and

Customer Class	Rates Applicable to Retail				
	Loss Adjusted kWh/kWh Conversion Factor	Loss Adjusted 12 CP to Billing kW Conversion Factor	LNS OATT Annual Rate \$/MWh	Demand Metered Customers (\$/kW/mo)	Non-Demand Metered Customers (\$/kWh)
	(3)	(4)	(5)	(6) col. (4) x col. (5) / 12 / 1000	(7) col. (3) x col. (5) / 1000
Retail Customers -- Non PTF Service	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service	0.00017		\$ 113,806.25		\$ 0.01921
General Service	0.00017		\$ 113,806.25		\$ 0.01908
Medium Power Secondary		0.66837	\$ 113,806.25	\$ 6.34	\$ -
Medium Power Primary		0.64552	\$ 113,806.25	\$ 6.12	\$ -
Large Power - Primary Voltage		0.64552	\$ 113,806.25	\$ 6.12	\$ -
Large Power - Subtransmission Voltage		0.62173	\$ 113,806.25	\$ 5.90	\$ -
Large Power - Transmission Voltage		0.16076	\$ 113,806.25	\$ 1.52	\$ -
High Tension D-5F-2	0.00000		\$ 113,806.25		\$ -
Street & Area Lighting	0.00010		\$ 113,806.25		\$ 0.01091
Municipal Lighting	0.00010		\$ 113,806.25		\$ 0.01091
Competitive Power Secondary Voltage	0.00015	0.00000	\$ 113,806.25	\$ -	\$ 0.01715
Competitive Power Primary Voltage	0.00014	0.00000	\$ 113,806.25	\$ -	\$ 0.01656
Competitive Power Subtransmission Voltage	0.00014	0.00000	\$ 113,806.25	\$ -	\$ 0.01586
Coincident Peak - Secondary Voltage		1.11892	\$ 113,806.25	\$ 10.61	
Coincident Peak - Primary Voltage		1.08066	\$ 113,806.25	\$ 10.25	
Coincident Peak - Subtransmission Voltage		1.04083	\$ 113,806.25	\$ 9.87	
Coincident Peak - Transmission Voltage		1.01559	\$ 113,806.25	\$ 9.63	
Retail Customers -- PTF Service	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service	0.00017		\$ -		\$ -
General Service	0.00017		\$ -		\$ -
Medium Power Secondary		0.66837	\$ -	\$ -	\$ -
Medium Power Primary		0.64552	\$ -	\$ -	\$ -
Large Power - Primary Voltage		0.64552	\$ -	\$ -	\$ -
Large Power - Subtransmission Voltage		0.62173	\$ -	\$ -	\$ -
Large Power - Transmission Voltage		0.16076	\$ -	\$ -	\$ -
High Tension D-5F-2	0.00000		\$ -		\$ -
Street & Area Lighting	0.00010		\$ -		\$ -
Municipal Lighting	0.00010		\$ -		\$ -
Competitive Power Secondary Voltage	0.00015	0.00000	\$ -	\$ -	\$ -
Competitive Power Primary Voltage	0.00014	0.00000	\$ -	\$ -	\$ -
Competitive Power Subtransmission Voltage	0.00014	0.00000	\$ -	\$ -	\$ -
Coincident Peak - Secondary Voltage		1.11892	\$ -	\$ -	\$ -
Coincident Peak - Primary Voltage		1.08066	\$ -	\$ -	\$ -
Coincident Peak - Subtransmission Voltage		1.04083	\$ -	\$ -	\$ -
Coincident Peak - Transmission Voltage		1.01559	\$ -	\$ -	\$ -
Retail Customers -- BHE's Unit Costs of Acting As Customer's Agent	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service	0.00017		\$ 144,433.09		\$ 0.02439
General Service	0.00017		\$ 144,433.09		\$ 0.02421
Medium Power Secondary		0.66837	\$ 144,433.09	\$ 8.04	\$ -
Medium Power Primary		0.64552	\$ 144,433.09	\$ 7.77	\$ -
Large Power - Primary Voltage		0.64552	\$ 144,433.09	\$ 7.77	\$ -
Large Power - Subtransmission Voltage		0.62173	\$ 144,433.09	\$ 7.48	\$ -
Large Power - Transmission Voltage		0.16076	\$ 144,433.09	\$ 1.93	\$ -
High Tension D-5F-2	0.00000		\$ 144,433.09		\$ -
Street & Area Lighting	0.00010		\$ 144,433.09		\$ 0.01385
Municipal Lighting	0.00010		\$ 144,433.09		\$ 0.01385
Competitive Power Secondary Voltage	0.00015	0.00000	\$ 144,433.09	\$ -	\$ 0.02176
Competitive Power Primary Voltage	0.00014	0.00000	\$ 144,433.09	\$ -	\$ 0.02075
Competitive Power Subtransmission Voltage	0.00014	0.00000	\$ 144,433.09	\$ -	\$ 0.02012
Coincident Peak - Secondary Voltage		1.11892	\$ 144,433.09	\$ 13.47	
Coincident Peak - Primary Voltage		1.08066	\$ 144,433.09	\$ 13.01	
Coincident Peak - Subtransmission Voltage		1.04083	\$ 144,433.09	\$ 12.53	
Coincident Peak - Transmission Voltage		1.01559	\$ 144,433.09	\$ 12.22	
Retail Customers -- Schedule 1	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service	0.00017		\$ 1,378.27		\$ 0.00023
General Service	0.00017		\$ 1,378.27		\$ 0.00023
Medium Power Secondary		0.66837	\$ 1,378.27	\$ 0.08	\$ -
Medium Power Primary		0.64552	\$ 1,378.27	\$ 0.07	\$ -
Large Power - Primary Voltage		0.64552	\$ 1,378.27	\$ 0.07	\$ -
Large Power - Subtransmission Voltage		0.62173	\$ 1,378.27	\$ 0.07	\$ -
Large Power - Transmission Voltage		0.16076	\$ 1,378.27	\$ 0.02	\$ -
High Tension D-5F-2	0.00000		\$ 1,378.27		\$ -
Street & Area Lighting	0.00010		\$ 1,378.27		\$ 0.00013
Municipal Lighting	0.00010		\$ 1,378.27		\$ 0.00013
Competitive Power Secondary Voltage	0.00015	0.00000	\$ 1,378.27	\$ -	\$ 0.00021
Competitive Power Primary Voltage	0.00014	0.00000	\$ 1,378.27	\$ -	\$ 0.00020
Competitive Power Subtransmission Voltage	0.00014	0.00000	\$ 1,378.27	\$ -	\$ 0.00019
Coincident Peak - Secondary Voltage		1.11892	\$ 1,378.27	\$ 0.13	
Coincident Peak - Primary Voltage		1.08066	\$ 1,378.27	\$ 0.12	
Coincident Peak - Subtransmission Voltage		1.04083	\$ 1,378.27	\$ 0.12	
Coincident Peak - Transmission Voltage		1.01559	\$ 1,378.27	\$ 0.12	
Retail Customers -- (Refunds) and Surcharges	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service	0.00017		\$ -		\$ -
General Service	0.00017		\$ -		\$ -
Medium Power Secondary		0.66837	\$ -	\$ -	\$ -
Medium Power Primary		0.64552	\$ -	\$ -	\$ -
Large Power - Primary Voltage		0.64552	\$ -	\$ -	\$ -
Large Power - Subtransmission Voltage		0.62173	\$ -	\$ -	\$ -
Large Power - Transmission Voltage		0.16076	\$ -	\$ -	\$ -
High Tension D-5F-2	0.00000		\$ -		\$ -
Street & Area Lighting	0.00010		\$ -		\$ -
Municipal Lighting	0.00010		\$ -		\$ -
Competitive Power Secondary Voltage	0.00015	0.00000	\$ -	\$ -	\$ -
Competitive Power Primary Voltage	0.00014	0.00000	\$ -	\$ -	\$ -
Competitive Power Subtransmission Voltage	0.00014	0.00000	\$ -	\$ -	\$ -
Coincident Peak - Secondary Voltage		1.11892	\$ -	\$ -	\$ -
Coincident Peak - Primary Voltage		1.08066	\$ -	\$ -	\$ -
Coincident Peak - Subtransmission Voltage		1.04083	\$ -	\$ -	\$ -
Coincident Peak - Transmission Voltage		1.01559	\$ -	\$ -	\$ -
Total Retail Charges	monthly kwh	monthly kw	mo rev kw	mo rev	annual
Residential Service			\$ 259,617.62	\$ -	\$ 0.04383
General Service			\$ 259,617.62	\$ -	\$ 0.04352
Medium Power Secondary			\$ 259,617.62	\$ 14.46	\$ -
Medium Power Primary			\$ 259,617.62	\$ 13.97	\$ -
Large Power - Primary Voltage			\$ 259,617.62	\$ 13.97	\$ -
Large Power - Subtransmission Voltage			\$ 259,617.62	\$ 13.45	\$ -
Large Power - Transmission Voltage			\$ 259,617.62	\$ 3.48	\$ -
High Tension D-5F-2			\$ 259,617.62	\$ -	\$ -
Street & Area Lighting			\$ 259,617.62	\$ -	\$ 0.02489
Municipal Lighting			\$ 259,617.62	\$ -	\$ 0.02489
Competitive Power Secondary Voltage			\$ 259,617.62	\$ -	\$ 0.03912
Competitive Power Primary Voltage			\$ 259,617.62	\$ -	\$ 0.03729
Competitive Power Subtransmission Voltage			\$ 259,617.62	\$ -	\$ 0.03617
Coincident Peak - Secondary Voltage			\$ 259,617.62	\$ 24.21	\$ -
Coincident Peak - Primary Voltage			\$ 259,617.62	\$ 23.38	\$ -
Coincident Peak - Subtransmission Voltage			\$ 259,617.62	\$ 22.52	\$ -
Coincident Peak - Transmission Voltage			\$ 259,617.62	\$ 21.97	\$ -

Versant Power (f/k/a Emera Maine) - Bangor Hydro District (BHD)
 Calculations in Support of Schedule 21-VP Rates
 Jan 1, 2023 through Dec 31, 2023
 Reconciliation of FERC Form 1 Data and BHD 2021 OATT Change Filing to Worksheet 6
 Worksheet 11
 Implemented Charges Based on 2021 Data and Certain Forecasts

Line	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL	Reference(s)
1 RESIDENTIAL	65,771,529	61,369,932	69,219,563	52,243,700	46,322,010	49,580,902	57,918,728	55,763,111	61,172,855	47,457,990	47,493,151	64,821,572	679,135,042	2021 Actuals
2 SM COMMERCIAL	14,622,726	14,268,631	15,670,889	12,588,457	11,849,821	12,896,414	14,720,364	14,224,812	15,073,195	12,464,408	11,622,403	14,769,593	164,771,713	2021 Actuals
3 MEDIUM														
a Medium Power Secondary	29,787,379	27,937,535	30,252,519	26,701,838	26,509,594	30,405,820	33,842,782	32,970,622	35,101,256	29,148,639	26,922,076	30,553,396	360,133,456	2021 Actuals
b Competitive D-1													0	2021 Actuals
c Medium Power Primary	3,967,879	3,831,109	4,049,871	3,485,453	3,056,973	3,473,704	4,022,888	3,800,183	4,174,622	3,510,389	3,080,266	3,691,896	44,145,233	2021 Actuals
d Competitive D-2	7,360	8,640	6,720	7,360	8,960	8,320	13,440	13,760	15,680	14,080	12,160	13,760	130,240	2021 Actuals
TOTAL MEDIUM	33,762,618	31,777,284	34,309,110	30,194,651	29,575,527	33,887,844	37,879,110	36,784,565	39,291,558	32,673,108	30,014,502	34,259,052	404,408,929	
4 LARGE														
a Primary Power Large D-4	9,012,017	9,151,800	8,874,196	9,576,206	9,081,003	9,268,917	10,139,696	10,506,229	11,229,370	10,436,780	9,962,682	9,457,369	116,696,265	2021 Actuals
b Competitive D-4													0	2021 Actuals
c Trans Power Subtrans Voltage	6,285,051	6,656,675	6,984,356	9,084,050	5,969,042	6,372,506	7,624,301	7,212,664	11,908,056	6,701,200	6,067,924	5,474,600	86,340,426	2021 Actuals
d Trans Power Trans Voltage	527,855	559,066	590,377	198,587	449,018	606,228	426,185	688,088	937,897	592,479	820,339	490,433	6,886,551	2021 Actuals
e Coincident Peak - Primary Voltage													0	2021 Actuals
f Coincident Peak Trans Power Subtrans Volt	855,570	906,158	885,507	1,078,728	891,774	823,756	847,213	1,434,264	798,944	1,343,667	989,818	905,074	11,760,472	2021 Actuals
g Coincident Peak Trans Power Trans Voltage	645,986	684,182	667,721	660,062	609,987	1,310,135	1,914,109	1,680,605	1,063,474	807,147	846,260	832,149	11,721,820	2021 Actuals
TOTAL LARGE	17,326,479	17,957,881	18,002,158	20,597,633	17,000,825	18,381,542	20,951,504	21,521,850	25,937,741	19,881,273	18,687,024	17,159,625	233,405,533	
5 LIGHTS														
a Street & Area Lighting	413,669	415,340	524,445	430,256	402,996	426,716	423,776	422,848	445,781	403,563	404,136	413,361	5,126,886	2021 Actuals
b Municipal Lighting (Energy)	11,038	109,749	211,518	110,406	110,402	110,402	110,402	110,402	110,402	110,402	110,402	110,402	1,325,927	2021 Actuals
TOTAL LIGHTS	424,707	525,089	735,963	540,662	513,398	537,118	534,178	533,250	556,183	513,965	514,538	523,763	6,452,813	
6 PAPERS														
a Competitive D-3	-	-	-	-	-	-	-	-	-	-	-	-	-	2021 Actuals
b Competitive F-2	-	-	-	-	-	-	-	-	-	-	-	-	-	2021 Actuals
c Competitive T-1	-	-	-	-	-	-	-	-	-	-	-	-	-	2021 Actuals
TOTAL SALES	131,908,059	125,898,817	137,937,682	116,165,103	105,261,581	115,283,819	132,003,884	128,827,588	142,031,532	112,990,744	108,331,617	131,533,605	1,488,174,030	

Calculations in Support of Schedule 21-VP Rates

Jan 1, 2023 through Dec 31, 2023

Retail Rates

Worksheet 12

Implemented Charges Based on 2021 Data and Certain Forecasts

	VP BHD Rate Tariffs	CY 2023 Rates		CY 2022 Rates		Rates % change	
						\$/kW-Mo	\$/kWh
		\$/kW-Mo	\$/kWh	\$/kW-Mo	\$/kWh	%	%
Residential Service	A;A-1;A-2;A-3;A-4;A-20;A-5;		\$ 0.04383		\$ 0.04181		4.8%
General Service	B-1;B-2;B-3;B-4;		\$ 0.04352		\$ 0.04073		6.8%
Medium Power Secondary	M-2;SB-S3;SB-S5;	\$ 14.46		\$ 14.57		-0.8%	
Medium Power Primary	M-1;SB-P3;SB-P5;	\$ 13.97		\$ 14.07		-0.7%	
Large Power - Primary Voltage	D-4;SB-L3;SB-L5;	\$ 13.97		\$ 14.07		-0.7%	
Large Power - Subtransmission Voltage	T-1;	\$ 13.45		\$ 13.55		-0.7%	
Large Power - Transmission Voltage	T-1;	\$ 3.48		\$ 2.63		32.3%	
Street & Area Lighting	G-1;		\$ 0.02489		\$ 0.02426		2.6%
Municipal Lighting	G-2;		\$ 0.02489		\$ 0.02426		2.6%
Competitive Power Secondary Voltage			\$ 0.03912		\$ 0.05678		-31.1%
Competitive Power Primary Voltage			\$ 0.03729		\$ 0.05413		-31.1%
Competitive Power Subtransmission Voltage			\$ 0.03617		\$ 0.05250		-31.1%
Coincident Peak - Secondary Voltage	SB-S3;SB-S5;	\$ 24.21		\$ 23.71		2.1%	
Coincident Peak - Primary Voltage	SB-P3;SB-P5;SB-L3;SB-L5;	\$ 23.38		\$ 22.90		2.1%	
Coincident Peak - Subtransmission Voltage	T-1;	\$ 22.52		\$ 22.05		2.1%	
Coincident Peak - Transmission Voltage	T-1;	\$ 21.97		\$ 21.52		2.1%	
Islands		\$ 21.04		\$ 20.73		1.5%	