

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES

ATTACHMENT J
EXHIBIT 1a

RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

Summary of Charges for Wholesale Customers

Line	Description	a	b	c	d	e	f	Reference(s)
		Value	Yearly \$/kW/Yr (Note 3)	Monthly \$/kW/Mo (Note 3)	Weekly \$/kW/Wk (Note 3)	Daily \$/kW/Day (Note 4)	Hourly \$/kW/Hr (Note 5)	
1	Schedule 1 - Scheduling, System Control and Dispatch Service			= b / 12	= b / 52	= d / 5	= e / 16	
2	Annual Cost	\$ 361,390						Exhibit 10 at 10a
3	Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
4	Rate		\$ 4.33	\$ 0.36	\$ 0.08	\$ 0.016	\$ 0.0010	4b = 2a / 3a
5								
6	Schedule 2 - Reactive Supply and Voltage Control							
7	Annual VAR Charges (\$)	\$ 90,000						Note 1
8	Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
9	Rate		\$ 1.08	\$ 0.09	\$ 0.02	\$ 0.004	\$ 0.0003	9b = 7a / 8a
10								
11	Attachment H - Network Integration Transmission Service (NITS)							
12	Annual Transmission Revenue Requirement	\$ 13,307,639						Exhibit 2 at 39a
13	Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
14	Rate		\$ 159.53	\$ 13.29	\$ 3.07	\$ 0.614	\$ 0.0384	14b = 12a / 13a
15								
16	Schedule 7 - Long Term or Short Term Firm Point to Point (PTP)							
17	Annual Transmission Revenue Requirement	\$ 13,307,639						Exhibit 2 at 39a
18	Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
19	Rate		\$ 159.53	\$ 13.29	\$ 3.07	\$ 0.614	\$ 0.0384	19b = 17a / 18a
20								
21	Schedule 8 - Non-Firm Point to Point (PTP)							
22	Annual Transmission Revenue Requirement	\$ 13,307,639						Exhibit 2 at 39a
23	Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
24	Rate		\$ 159.53	\$ 13.29	\$ 3.07	\$ 0.614	\$ 0.0384	24b = 22a / 23a, Note 2, Note 6

Notes

- VAR Charges per Docket No. ER03-689.
- For off-peak non-firm PTP transmission service (9 p.m. to 7 a.m. Monday - Friday and all day Saturday and Sunday) the daily rate cap shall be calculated by dividing the annual rate by 365 and the hourly rate shall be calculated by dividing the annual rate by 8760).
- Value rounded to nearest \$0.01.
- Value rounded to nearest \$0.001.
- Value rounded to nearest \$0.0001.
- Yearly non-firm point-to-point service not offered. Value shown in 24b only for purposes of calculating charges in 24c and 24d.

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ATTACHMENT J
EXHIBIT 2

Summary of Calculations for Transmission Revenue Requirement

a

Line	Description	Value	Reference(s)
1	WHOLESALE TRANSMISSION INVESTMENT BASE		
2	<u>Plant</u>		
3	Transmission Plant	\$ 93,037,011	Exhibit 4 at 1r
4	General Plant	\$ 3,690,717	Exhibit 4 at 3r
5	Intangible Plant	\$ 1,404,256	Exhibit 4 at 5r
6.1	Plant Held for Future Use	\$ -	Exhibit 4 at 7.1r
6.2	Customer Information System Plant (neg.)	\$ (1,228,608)	Exhibit 4 at 7.3r
7	<u>Total Plant Excluding Customer Information System</u>	\$ 96,903,376	Sum [3a:6.2a]
8			
9	<u>Accumulated Plant Depreciation and Amortization</u>		
10	Transmission Plant	\$ (12,033,977)	Exhibit 4 at 13r
11	General Plant	\$ (1,072,646)	Exhibit 4 at 14r
12.1	Other Plant	\$ (165,726)	Exhibit 4 at 15.1r
12.2	Customer Information System (pos.)	\$ 61,207	Exhibit 4 at 15.2r
13	<u>Total Depreciaton and Amortization Excluding Customer Information System</u>	\$ (13,211,143)	Sum [10a:12.2a]
14			
15	Accumulated Deferred Taxes	\$ (7,742,823)	Exhibit 4 at 21r
16	Deferred Director Fees	\$ -	Exhibit 4 at 10r
17	Other Assets/Liabilities	\$ (3,050,276)	Exhibit 4 at 27r
18	Cash Working Capital	\$ 233,384	Exhibit 4 at 39r
19	Materials and Supplies	\$ 637,767	Exhibit 4 at 34r
20	Prepayments	\$ 78,991	Exhibit 4 at 29r
21	<u>Total Investment Base</u>	\$ 73,849,276	7a + Sum [13a:20a]
22	Cost of Capital Rate (rounded to 2 decimal places)	8.76%	Exhibit 3 at 4d
23			
24	Investment Return and Associated Income Taxes	\$ 6,469,197	21a * 22a
25	Depreciation and Amortization Expense Excluding Customer Information System	\$ 2,197,963	Sum Exhibit 5 [2e:4.2e]
26.1	Amortization of Deficient/(Excess) Deferred Income Tax Assets/(Liabilities)	\$ (235,226)	Exhibit 5 at 6.5e
26.2	Amortization of Related Investment Tax Credits	\$ -	Exhibit 5 at 7e
27	Property Tax Expense	\$ 1,157,125	Exhibit 5 at 9e
28	Payroll Tax Expense	\$ 107,359	Exhibit 5 at 11e
29	Operation and Maintenance Expense	\$ 1,063,063	Exhibit 5 at 16e
30	Administrative and General Expense	\$ 804,013	Exhibit 5 at 29e
31	Transmission Related Revenues (neg.)	\$ (375,614)	Exhibit 7 at 21a
32	Adjustments	\$ 759,856	WP Wholesale Adjustments [11d + 11e]
33	<u>ESTIMATED WHOLESALE TRANSMISSION REVENUE REQUIREMENT</u>	\$ 11,947,736	Sum [24a:32a]
34			
35	Prior Year Estimated Wholesale Transmission Revenue Requirement	\$ 10,666,099	Prior Year Estimated, Exh. 2 at 33a
36	Prior Year Actual Wholesale Transmsission Revenue Requirement	\$ 11,956,863	Prior Year Actual, Exh. 2 at 33a
37	Prior Year True-Up (Down)	\$ 1,290,764	36a - 35a
38	Interest on True-Up (Down)	\$ 69,139	WP Interest on Wholesale True-Up at 13d
39	<u>WHOLESALE TRANSMISSION REVENUE REQUIREMENT TO BE USED FOR CHARGES</u>	\$ 13,307,639	Sum [33a, 37a, 38a]

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ATTACHMENT J
EXHIBIT 3

Determination of Cost of Capital Rate		a	b	c	d	
Line	Description	Beginning of Year	End of/ Full Year	Average		Reference(s)
1	Weighted Cost of Capital				6.8433%	Sum [21d, 29d, 42d]
2	Federal Income Tax				1.3070%	52d
3	State Income Tax				0.6103%	63d
4	COST OF CAPITAL RATE				8.7606%	Sum [1d:3d]
5						
6	<u>Long-Term Debt Component</u>					
7	Long-Term Debt	\$ 442,000,000	\$ 460,000,000	\$ 451,000,000		FF1 at 112:24d; FF1 at 112:24c; Avg [7a:7b]
8	Unamortized Gain on Reacquired Debt	\$ -	\$ -			FF1 at 113:61d; FF1 at 113:61c
9	Unamortized Loss on Reacquired Debt (neg.)	\$ -	\$ -			FF1 at 111:81d; FF1 at 111:81c
10	Unamortized Debt Expenses (neg.)	\$ (1,755,421)	\$ (1,990,154)			FF1 at 111:69d; FF1 at 111:69c
11	Long-Term Debt Net Proceeds	\$ 440,244,579	\$ 458,009,846	\$ 449,127,212		Sum [7a:10a]; Sum [7b:10b]; Avg [11a:11b]
12						
13	Net Interest Charges		\$ 17,093,038			FF1 at 117:70c
14	AFUDC on Borrowed Funds		\$ 1,016,891			FF1 at 117:69c
15	Other Interest (neg.)		\$ (288,194)			FF1 at 117:68c
16	Annual Debt Cost		\$ 17,821,735			Sum [13b:15b]
17						
18	Transmission Provider Total Capital			\$ 921,747,248		Sum [7c, 24c, 37c]
19	Long-Term Debt Capitalization Ratio				48.9288%	7c / 18c
20	Long-Term Debt Cost Rate				3.9681%	16b / 11c
21	Long-Term Debt Component				1.9415%	19d * 20d
22						
23	<u>Preferred Stock Component</u>					
24	Preferred Stock	\$ 363,065	\$ 363,065	\$ 363,065		FF1 at 112:3d; FF1 at 112:3c; Avg [24a:24b]
25	Preferred Dividends (neg.) (Note 3)		\$ 25,423			FF1 at 118:29c
26	Transmission Provider Total Capital			\$ 921,747,248		Sum [7c, 24c, 37c]
27	Preferred Stock Capitalization Ratio				0.0394%	24c / 26c
28	Preferred Stock Cost Rate				7.0023%	25b / 24c
29	Preferred Stock Component				0.0028%	27d * 28d
30						
31	<u>Return on Equity Component</u>					
32	Total Proprietary Capital	\$ 578,216,683	\$ 619,453,524			FF1 at 112:16d; FF1 at 112:16c
33	Goodwill Docket Nos. EC01-13, EC10-67 (neg.)	\$ (113,680,998)	\$ (113,680,998)			Company Records, Note 2
34	Account No. 216.1 (neg.)	\$ (12,855,707)	\$ (15,958,008)			FF1 at 112:12d; FF1 at 112:12c
35	Account No. 204 (neg.)	\$ (363,065)	\$ (363,065)			FF1 at 112:3d; FF1 at 112:3c
36	Account No. 219 (neg.)	\$ -	\$ -			FF1 at 112:15d; FF1 at 112:15c
37	Transmission Provider Common Equity Adjusted	\$ 451,316,913	\$ 489,451,453	\$ 470,384,183		Sum [32a:36a]; Sum [32b:36b]; Avg [37a:37b]
38						
39	Transmission Provider Total Capital			\$ 921,747,248		Sum [7c, 24c, 37c]
40	Common Equity Capitalization Ratio				51.0318%	37c / 39c
41	Return on Equity Rate				9.6000%	Note 1
42	Return on Equity Component				4.8991%	40d * 41d
43						
44	<u>Federal Income Tax</u>					
45		(A+((B+C)/D))xFT				
46	where:	1-FT				
47	FT = Transmission Provider federal income tax rate				21.0000%	Company Records
48	A = Equity portion of weighted cost of capital				4.9018%	29d + 42d
49	B = MPD Transmission-Related Amortization of Investment Tax Credits		\$ -			Company Records
50	C = MPD Equity AFUDC component of transmission depreciation expense		\$ 11,396			Company Records
51	D = MPD Transmission Investment Base		\$ 76,816,941			Exhibit 4 at 41r
52	Federal Income Tax				1.3070%	Per Formula at 45-46
53						
54	<u>State Income Tax</u>					
55		((A+((B+C)/D))+E)xST				
56	where:	1-ST				
57	ST = Transmission Provider state income tax rate				8.9300%	Company Records
58	A = Equity portion of weighted cost of capital				4.9018%	29d + 42d
59	B = MPD Transmission-Related Amortization of Investment Tax Credits		\$ -			Company Records
60	C = MPD Equity AFUDC component of transmission depreciation expense		\$ 11,396			Company Records
61	D = MPD Transmission Investment Base		\$ 76,816,941			Exhibit 4 at 41r
62	E = Federal Income Tax				1.3070%	52d
63	State Income Tax				0.6103%	Per Formula at 55-56

Notes

- Return on Equity Rate will not be changed absent a proceeding under Federal Power Act Section 205 or Section 206.
- Goodwill (Acquisition Premium) is excluded from ROE calculation.
- Insofar as Preferred Dividends are recorded to Account 437 as a negative value, the value input in Line 25, Column b will be a positive value.

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Line	Development of Transmission-Related Rate Base Components															n = avg. [a:m]	o	p = n * o	q	r = p * q	Reference(s)					
	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Input Value (Note 1)	Company Allocator (Exhibit 6)							MPD	MPD Allocator/Adj. Factor (Exhibit 6)	MPD Transmission		
1	MPD Total Transmission Plant																MPD	100.00%	\$ 93,037,011	All Trans.	100.00%	\$ 93,037,011	FF1 at 206:58b, 207:58g, Company Records			
2																										
3	Transmission Related General Plant																MPD	100.00%	\$ 30,639,332	Salaries & Wages	12.05%	\$ 3,690,717	FF1 at 206:99b, 207:99g, Company Records			
4																										
5	Transmission Related Intangible Plant																MPD	100.00%	\$ 11,657,753	Salaries & Wages	12.05%	\$ 1,404,256	FF1 at 204:5b, 205:5g, Company Records			
6																										
7.1	Transmission Plant Held for Future Use																MPD	100.00%	\$ -	All Trans.	100.00%	\$ -	FF1 at 214, Company Records			
7.2																										
7.3	Transmission Related Customer Information System (neg.)																MPD	100.00%	\$ (10,199,572)	Salaries & Wages	12.05%	\$ (1,228,608)	FF1 at 204:5b, 205:5g, 206:99b, 207:99g, Company Records			
7.4	Transmission Related Customer Information System (pos.)																MPD	100.00%	\$ 10,199,572	MPD Revenue (Trans.)	30.62%	\$ 3,123,259	FF1 at 204:5b, 205:5g, 206:99b, 207:99g, Company Records			
8	TOTAL																						\$ 100,026,635	Sum [1r:7.4]		
9																										
10	Deferred Director Fees																MPD	100.00%	\$ -	Salaries & Wages	12.05%	\$ -	FF1 at 269:f, Company Records			
11																										
12	Transmission Accumulated Depreciation and Amortization																									
13	Transmission Plant Accumulated Depreciation (neg.)																MPD	100.00%	\$ (12,033,977)	All Trans.	100.00%	\$ (12,033,977)	FF1 at 219:25b, Company Records			
14	General Plant Accumulated Depreciation (neg.)																MPD	100.00%	\$ (8,904,813)	Salaries & Wages	12.05%	\$ (1,072,646)	FF1 at 219:28b, Company Records			
15.1	Accum. Provision for Amortization of Other Utility Plant (neg.)																MPD	100.00%	\$ (1,375,815)	Salaries & Wages	12.05%	\$ (165,726)	FF1 at 200:21b, Company Records			
15.2	CIS Accumulated Depreciation and Amortization (pos.)																MPD	100.00%	\$ 508,120	Salaries & Wages	12.05%	\$ 61,207	FF1 at 200:21b, 219:28b, Company Records			
15.3	CIS Accumulated Depreciation and Amortization (neg.)																MPD	100.00%	\$ (508,120)	MPD Revenue (Trans.)	30.62%	\$ (155,594)	FF1 at 200:21b, 219:28b, Company Records			
16	TOTAL																						\$ (13,366,737)	Sum [13r:15.3r]		
17																										
18	Transmission Accumulated Deferred Taxes																									
19	Accumulated Deferred Taxes (neg.) Acct. Nos. 282 and 283																						\$ (8,179,865)	WP ADIT at 75p + WP ADIT at 113p		
20	Accumulated Deferred Taxes (pos.) Acct. No. 190																						\$ 437,042	WP ADIT at 37p		
21	TOTAL																						\$ (7,742,823)	19r + 20r		
22																										
23	Other Transmission-Related Assets/Liabilities																									
24	Other Regulatory Assets																MPD	100.00%	\$ 258,260	Salaries & Wages	12.05%	\$ 31,109	FF1 at 232:f, Company Records			
25	Accumulated Provision for Pensions and Benefits (neg.)																MPD	100.00%	\$ 242,178	Salaries & Wages	12.05%	\$ 29,172	FF1 at 112:29, Company Records			
26.1	Deficient/(Excess) Deferred Income Tax Assets/(Liabilities)																MPD	100.00%	\$ (2,712,232)	All Trans.	100.00%	\$ (2,712,232)	WP DTA/(L) Amortization Expense and Balance, 13b:25b			
26.2	Other Regulatory Liabilities (neg.)																MPD	100.00%	\$ (3,306,790)	Salaries & Wages	12.05%	\$ (398,325)	FF1 at 278:f, Company Records			
27	TOTAL																						\$ (3,050,276)	Sum [24r:26.2r]		
28																										
29	Transmission Prepayments (Acct. No. 165)																Total Plant	17.88%	\$ 655,759	Salaries & Wages	12.05%	\$ 78,991	FF1 at 111:57c			
30																										
31	Transmission Materials and Supplies																									
32	Transmission Plant																Total Plant	17.88%	\$ 618,709	All Trans.	100.00%	\$ 618,709	FF1 at 227:8b; FF1 at 227:8c			
33	Stores Expense Undistributed																Total Plant	17.88%	\$ 50,367	Plant	37.84%	\$ 19,058	FF1 at 227:16b; FF1 at 227:16c			
34	TOTAL																						\$ 637,767	32r + 33r		
35																										
36	Cash Working Capital																									
37	Operation and Maintenance Expense																		\$ 1,063,063	MPD	100.00%	\$ 1,063,063	Fixed Multiplier	12.50%	\$ 132,883	Exhibit 5 at 16e
38	Administrative and General Expense																		\$ 804,013	MPD	100.00%	\$ 804,013	Fixed Multiplier	12.50%	\$ 100,502	Exhibit 5 at 29e
39	TOTAL																						\$ 233,384	37r + 38r		
40																										
41	TOTAL TRANSMISSION INVESTMENT BASE (MPD)																							\$ 76,816,941	Sum [8r, 10r, 16r, 21r, 27r, 29r, 34r, 39r]	

Notes
 1 Values exclude transaction-related costs for which recovery has not been authorized by the Commission.

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Development of Transmission-Related Expenses

Line	a Input Value (Note 1)	b Company Allocator (Exhibit 6)	c = a * b MPD	d MPD Allocator/Adj. Factor (Exhibit 6)	e = c * d MPD Transmission	Reference(s)	
1	<u>Transmission-Related Depreciation and Amortization Expense</u>						
2	\$ 2,059,034	MPD	100.00%	\$ 2,059,034	All Trans. 100.00%	\$ 2,059,034	FF1 at 336:7f, Company Records
3	\$ 682,364	MPD	100.00%	\$ 682,364	Salaries & Wages 12.05%	\$ 82,195	FF1 at 336:10f, Company Records
4.1	\$ 1,153,561	MPD	100.00%	\$ 1,153,561	Salaries & Wages 12.05%	\$ 138,954	FF1 at 336:1f, Company Records
4.2	\$ (682,572)	MPD	100.00%	\$ (682,572)	Salaries & Wages 12.05%	\$ (82,220)	FF1 at 336:1f, 336:10f, Company Records
4.3	\$ 682,572	MPD	100.00%	\$ 682,572	MPD Revenue (Trans.) 30.62%	\$ 209,014	FF1 at 336:1f, 336:10f, Company Records
5	<u>TOTAL</u>					\$ 2,406,977	Sum [2e:4.3e]
6.1	<u>Amortization of Deficient/(Excess) Deferred Income Tax Assets/(Liabilities)</u>						
6.3	\$ (169,234)	MPD	100.00%	\$ (169,234)	All Trans. 100.00%	\$ (169,234)	WP DTA/(L) Amortization Expense and Balance, 8b
6.4	<u>Blended Federal & State Statutory Tax Rate</u>					28.05%	1 - [(1 - Exhibit 3 at 47d) * (1 - Exhibit 3 at 57d)]
6.5	<u>Grossed Up Amortized Amount</u>					\$ (235,226)	6.3e / (1 - 6.4e)
6.6	<u>Transmission-Related Amortization of Investment Tax Credits</u>						
7	\$ -	MPD	100.00%	\$ -	Plant 37.84%	\$ -	FF1 at 266:8f, Company Records
8	<u>Transmission-Related Property Tax Expense</u>						
9	\$ 17,099,981	Total Plant	17.88%	\$ 3,058,080	Plant 37.84%	\$ 1,157,125	FF1 at 263:i, Company Records
10	<u>Transmission-Related Payroll Tax Expense</u>						
11	\$ 3,636,460	Cust/Load/Sales	24.51%	\$ 891,269	Salaries & Wages 12.05%	\$ 107,359	FF1 at 263:i, Company Records
12	<u>Transmission Operation and Maintenance</u>						
14	\$ 1,905,428	MPD	100.00%	\$ 1,905,428	All Trans. 100.00%	\$ 1,905,428	FF1 at 321:83b-95b, 321:97b-98b, 321:111b, Company Records
15	\$ (842,365)	MPD	100.00%	\$ (842,365)	All Trans. 100.00%	\$ (842,365)	Exhibit 10 at 1a
16	<u>TOTAL</u>					\$ 1,063,063	14e + 15e
17	<u>Transmission-Related Administrative and General Expense</u>						
19	\$ 21,211,950	Cust./Sales	24.24%	\$ 5,142,194	Salaries & Wages 12.05%	\$ 619,412	FF1 at 323:197b
20	\$ (6,780,138)	Cust./Sales	24.24%	\$ (1,643,639)	Salaries & Wages 12.05%	\$ (197,988)	FF1 at 323:185b, 323:189b, 323:191b
21	\$ -	Cust./Sales	24.24%	\$ -	Salaries & Wages 12.05%	\$ -	FF1 at 323:184b, Company Records
22	\$ (353,731)	MPD	100.00%	\$ (353,731)	Salaries & Wages 12.05%	\$ (42,609)	FF1 at 323:187b, Company Records
23	\$ 1,232,906	Total Plant	17.88%	\$ 220,487	Plant 37.84%	\$ 83,429	FF1 at 323:185b
24	\$ 13,818	MPD	100.00%	\$ 13,818	All Trans. 100.00%	\$ 13,818	FF1 at 323:189b, Company Records
25	\$ 330,440	MPD	100.00%	\$ 330,440	All Trans. 100.00%	\$ 330,440	FF1 at 323:189b, Company Records
26	\$ -	MPD	100.00%	\$ -	All Trans. 100.00%	\$ -	FF1 at 323:184b, Company Records
27	\$ (20,669)	MPD	100.00%	\$ (20,669)	Salaries & Wages 12.05%	\$ (2,490)	Note 2
28	\$ -	MPD	100.00%	\$ -	Salaries & Wages 12.05%	\$ -	FF1 at 114:12c, Company Records
29	<u>TOTAL</u>					\$ 804,013	Sum [19e:28e]

Notes

- Values exclude transaction-related costs for which recovery has not been authorized by the Commission.
- PBOP will not be changed absent a proceeding under Federal Power Act Section 205 or Section 206.

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Allocation Factors

a

Line	Description	Value	Reference(s)
Company Allocators			
1	Bangor Hydro District Customer Count	132,260	FF1 at 304:d
2	Maine Public District Customer Count	37,313	FF1 at 304:d
3	Company Customer Count (subtotal)	169,573	1a + 2a
4	Company Customer Count Allocator (BHD)	78.00%	1a / 3a
5	Company Customer Count Allocator (MPD)	22.00%	2a / 3a
6			
7	Company Customer/Load/Sales Allocator (BHD)	75.49%	4a / 3 + 16a / 3 + 22a / 3
8	Company Customer/Load/Sales Allocator (MPD)	24.51%	5a / 3 + 17a / 3 + 23a / 3
9			
10	Company Customer/Sales Allocator (BHD)	75.76%	4a / 2 + 16a / 2
11	Company Customer/Sales Allocator (MPD)	24.24%	5a / 2 + 17a / 2
12			
13	Bangor Hydro District Energy Sales (MWh)	1,487,704	FF1 at 304:b
14	Maine Public District Energy Sales (MWh)	535,828	FF1 at 304:b
15	Company Energy Sales (subtotal)	2,023,532	13a + 14a
16	Company Energy Sales Allocator (BHD)	73.52%	13a / 15a
17	Company Energy Sales Allocator (MPD)	26.48%	14a / 15a
18			
19	Bangor Hydro District Monthly Peak Loads (MW)	2,996	FF1 at 400 Sum [1b:16b]
20	Maine Public District Monthly Peak Loads (MW)	1,001	FF1 at 400 Sum [1b:16b]
21	Company Monthly Peak Loads (Subtotal)	3,997	19a + 20a
22	Company Monthly Peak Loads Allocator (BHD)	74.96%	19a / 21a
23	Company Monthly Peak Loads Allocator (MPD)	25.04%	20a / 21a
24			
25	Bangor Hydro District Revenue	\$ 142,000,145	FF1 at 304:c
26	Maine Public District Revenue	\$ 38,660,865	FF1 at 304:c
27	Company Revenues (Subtotal)	\$ 180,661,010	25a + 26a
28	Company Revenue Allocator (BHD)	78.60%	25a / 27a
29	Company Revenue Allocator (MPD)	21.40%	26a / 27a
30			
31	Bangor Hydro District Total Electric Plant In Service (13-mo. avg.)	\$ 1,213,839,492	Company Records
32	Maine Public District Total Electric Plant In Service (13-mo. avg.)	\$ 264,353,000	Company Records
33	Company Total Electric Plant In Service (subtotal)	\$ 1,478,192,492	31a + 32a
34	Company Total Plant Allocator (BHD)	82.12%	31a / 33a
35	Company Total Plant Allocator (MPD)	17.88%	32a / 33a
MPD Allocators			
36	MPD Average Total Transmission Plant (13-mo. avg.)	\$ 93,037,011	Exhibit 4 at 1r
37	MPD Transmission-Related General and Intangible Plant (13-mo. avg.)	\$ 6,989,624	Sum Exhibit 4 [3r, 5r, 7.3r, 7.4r]
38	MPD Electric Plant in Service (13-mo. avg.)	\$ 264,353,000	32a
39	MPD Plant Allocator (Transmission)	37.84%	(36a + 37a) / 38a
40			
41	Maine Public District Transmission Revenue	\$ 11,838,526	Company Records
42	Maine Public District Total Revenue	\$ 38,660,865	26a
43	MPD Revenue Allocator (Transmission)	30.62%	41a / 42a
Salaries and Wages Allocator			
44	Transmission Salaries and Wages	\$ 3,145,727	FF1 at 354:21b
45	Total Operations and Maintenance Salaries and Wages	\$ 32,912,450	FF1 at 354:28b
46	Administrative and General Salaries and Wages	\$ 6,797,478	FF1 at 354:27b
47	Company Salaries and Wages Allocator (Transmission)	12.05%	44a / (45a - 46a)

Notes

1 Excludes transmission investments for which Transmission Provider received up-front customer contributions that it does not have to repay.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
EXHIBIT 7

Transmission-Related Revenues

a

Line Description	Input Value	Reference(s)
1 <u>Point-to-Point & Settled Transaction Revenues</u>		Notes 1 and 2
2 Terraform (Evergreen)	\$ 375,614	FF1 at 330:n
3		
4		
5		
6		
7		
8		
9 TOTAL	\$ 375,614	Sum [2a:8a]
10		
11 <u>Transmission Plant-Related Rents and General Plant-Related Rents</u>		Note 3
12		
13		
14 TOTAL	\$ -	12a + 13a
15		
16 <u>Other Transmission-Related Revenues</u>		
17		
18		
19 TOTAL	\$ -	17a + 18a
20		
21 <u>TOTAL TRANSMISSION-RELATED REVENUES</u>	\$ 375,614	Sum [9a, 14a, 19a]

Notes

- 1 Includes all transmission-related revenues recorded in Account 456 associated with the rolled-in base transmission rates for point-to-point or ancillary services on FF1 at 330:k and 330:m attributable to MPD.
- 2 Include all transmission-related revenues recorded in Account 456 except: (1) non-penalty revenues associated with the rolled-in base transmission rates for point-to-point or network transmission service or ancillary services; (2) revenues associated with O&M performed on other utilities' facilities that will be separately tracked and excluded from Transmission O&M, A&G, and Payroll Tax Expenses factored into Exhibit 5, Column (a).
- 3 Transmission Plant-Related Rent is defined as the rents properly booked to Account 454 that are for the use of plant booked to transmission; and General Plant-Related Rent is defined as the rents properly booked to Account 454 that are for the use of plant booked to general on FF1 at 300:19b.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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ATTACHMENT J
EXHIBIT 8

Monthly Peak Loads - MW		a	b	c	d	e	f	
		MPD NITS Customers					= a - sum [b:e]	
Line	Description	Total	EMEC (All)	[Reserved]	VBL&P	[Reserved]	MPD Retail	Reference(s)
1	January	98.000	3.889	0	2.864	0	91.247	FF1 at 401b:29d, Company Records
2	February	95.000	3.718	0	2.836	0	88.446	FF1 at 401b:30d, Company Records
3	March	96.000	2.827	0	2.273	0	90.900	FF1 at 401b:31d, Company Records
4	April	77.000	2.819	0	2.094	0	72.087	FF1 at 401b:32d, Company Records
5	May	73.000	2.385	0	1.911	0	68.704	FF1 at 401b:33d, Company Records
6	June	74.000	2.556	0	1.750	0	69.694	FF1 at 401b:34d, Company Records
7	July	81.000	2.845	0	1.936	0	76.219	FF1 at 401b:35d, Company Records
8	August	81.000	2.941	0	1.847	0	76.212	FF1 at 401b:36d, Company Records
9	September	71.000	2.276	0	1.620	0	67.104	FF1 at 401b:37d, Company Records
10	October	76.000	2.963	0	1.925	0	71.112	FF1 at 401b:38d, Company Records
11	November	89.000	3.563	0	2.607	0	82.830	FF1 at 401b:39d, Company Records
12	December	90.000	3.836	0	2.822	0	83.342	FF1 at 401b:40d, Company Records
13								
14	12-CP	83.417	3.052	0.000	2.207	0	78.158	Average [1:12]
15								
16	Load Ratio Share		3.66%	0.00%	2.65%	0.00%	93.70%	14[b, c, d, e, or f] / 14a

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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**ATTACHMENT J
EXHIBIT 9**

Depreciation Rates

Line	Depreciable Group	Annual Depreciation Rates %
1	Transmission Plant	
2	350.2 Land Rights and Rights-of-Way	1.23
3	352 Structures & Improvements	1.91
4	353 Station Equipment	1.74
5	355.1 Poles and Fixtures	2.34
6	355.2 Clearing ROW & Environmental Permits	1.20
7	356 Overhead Conductors & Devices	2.25
8	General Plant	
9	390 Structures and Improvements	1.60
10	391.1 Office Furniture & Equipment	4.65
11	391.12 Computer Equipment	17.50
12	392 Transportation Equipment	2.77
13	393 Stores Equipment	5.82
14	394 Tools, Shop, & Garage Equipment	5.20
15	395 Laboratory Equipment	6.26
16	396 Power Operated Equipment	0.61
17	397 Communication Equipment	3.21
18	398 Miscellaneous Equipment	6.76

Notes

1 Depreciation rates will not be changed absent a proceeding under Federal Power Act Section 205 or Section 206.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
EXHIBIT 10

Scheduling, System Control and Dispatch Service

a

Line Description	Total	Reference(s)
1 Account No. 561	\$ 842,365	FF1 at 321:85b to 92b, Company Records
2 NMISA Expenses (neg.)	\$ (264,647)	Company Records, Note 1
3 VAR Charges (neg.)	\$ (90,000)	Exhibit 1a at 7a
4 ESTIMATED SCHEDULING, SYSTEM CONTROL & DISPATCHING SERVICE COSTS	\$ 487,718	Sum [1a:3a]
5		
6 Prior Year Estimated Wholesale Transmission Revenue Requirement	\$ 607,624	Prior Year Estimated, Exhibit 10 at 4a
7 Prior Year Actual Wholesale Transmission Revenue Requirement	\$ 487,718	Prior Year Actual Exhibit 10 at 4a
8 Prior Year True-Up (Down)	\$ (119,905)	7a - 6a
9 Interest on True-Up (Down)	\$ (6,423)	WP Interest on Wholesale True-Up at 26d
10 SCHEDULING, SYSTEM CONTROL & DISPATCHING SERVICE COSTS TO BE USED FOR CHARGES	\$ 361,390	Sum [4a, 8a, 9a]

Notes

1 Account 561.4 costs Transmission Provider pays to the Northern Maine ISA (NMISA) on behalf of the MPD load. From Company Records.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
WP FF1 RECONCILIATION

Workpaper - FERC Form 1 Reconciliation

Line	Description	a BHD Value	b MPD Value	c = a + b Total	Used In	d FF1 Value	FF1 Value Reference(s)
1	<u>Plant in Service (EOY)</u>						
2	Total Electric Plant in Service	\$ 1,257,716,634	\$ 273,146,378	\$ 1,530,863,012	[n/a]	\$ 1,530,863,013	FF1 at 207:104g
3	Total Transmission Plant	\$ 581,644,353	\$ 98,023,076	\$ 679,667,429	Exhibit 4	\$ 679,667,430	FF1 at 207:58g
4	Transmission Plant Held for other Use		\$ -	\$ -	Exhibit 4	\$ -	FF1 at 214
5	General Plant	\$ 109,755,737	\$ 32,345,891	\$ 142,101,628	Exhibit 4	\$ 142,101,625	FF1 at 207:99g
6	Intangible Plant	\$ 68,040,971	\$ 16,428,427	\$ 84,469,398	Exhibit 4	\$ 84,469,398	FF1 at 205:5g
7	Transmission Plant Accumlated Depreciation (neg.)	\$ (150,356,237)	\$ (11,586,484)	\$ (161,942,721)	Exhibit 4	\$ 161,942,721	FF1 at 219:25c
8	General Plant Accumulated Depreciation (neg.)	\$ (33,351,208)	\$ (7,027,876)	\$ (40,379,084)	Exhibit 4	\$ 40,379,084	FF1 at 219:28c
9	Accum. Provision for Amortization of Other Utility Plant (neg.)	\$ (24,786,209)	\$ (2,004,066)	\$ (26,790,275)	Exhibit 4	\$ 26,790,276	FF1 at 200:21b
10							
11	<u>Revenues</u>						
12	Transmission Revenue	\$ 59,976,245	\$ 11,838,526	\$ 71,814,771	Exhibit 6	[n/a]	
13							
14	<u>Depreciation Expense and Amortization</u>						
15	Transmission Plant Depreciation	\$ 14,174,064	\$ 2,055,521	\$ 16,229,585	Exhibit 5	\$ 16,229,585	FF1 at 336:7f
16	General Plant Depreciation and Amortization	\$ 6,473,327	\$ 682,364	\$ 7,155,691	Exhibit 5	\$ 7,155,691	FF1 at 336:10f
17	Intangible Plant Amortization	\$ 4,930,381	\$ 1,153,561	\$ 6,083,942	Exhibit 5	\$ 6,083,942	FF1 at 336:1f
18							
19	<u>Transmission Operation and Maintenance Expense</u>						
20	Account No. 560 (Operation Supervision and Engineering)	\$ 40,484	\$ 9,702	\$ 50,186		\$ 50,186	FF1 at 321:83b
21	Account No. 561.1 (Load Dispatch-Reliability)	\$ 1,118,401	\$ 491,874	\$ 1,610,275		\$ 1,610,275	FF1 at 321:85b
22	Account No. 561.2 (Load Dispatch-Monitor and Operate Transmission System)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:86b
23	Account No. 561.3 (Load Dispatch-Transmission Service and Scheduling)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:87b
24	Account No. 561.4 (Scheduling, System Control and Dispatch Services)	\$ -	\$ 264,647	\$ 264,647	Exhibit 10	\$ 264,647	FF1 at 321:88b
25	Account No. 561.5 (Reliability, Planning and Standards Development)	\$ 3,650	\$ 85,844	\$ 89,494		\$ 89,494	FF1 at 321:89b
26	Account No. 561.6 (Transmission Service Studies)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:90b
27	Account No. 561.7 (Generation Interconnection Studies)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:91b
28	Account No. 561.8 (Reliability, Planning and Standards Development Services)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:92b
29	Account No. 562 (Station Expenses)	\$ 48,765	\$ 11,686	\$ 60,451		\$ 60,451	FF1 at 321:93b
30	Account No. 563 (Overhead Lines Expenses)	\$ 428,990	\$ 102,808	\$ 531,798		\$ 531,798	FF1 at 321:94b
31	Account No. 564 (Underground Lines Expenses)	\$ 2,300	\$ 551	\$ 2,851		\$ 2,851	FF1 at 321:95b
32	Account No. 566 (Miscellaneous Transmission Expenses)	\$ 73,837	\$ 17,695	\$ 91,532		\$ 91,532	FF1 at 321:97b
33	Account No. 567 (Rents)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:98b
34	Account No. 568 (Maintenance Supervision and Engineering)	\$ 109,950	\$ 26,350	\$ 136,300		\$ 136,300	FF1 at 321:101b

35	Account No. 569 (Maintenance of Structures)	\$ 15,411	\$ 3,693	\$ 19,105		\$ 19,105	FF1 at 321:102b
36	Account No. 569.1 (Maintenance of Computer Hardware)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:103b
37	Account No. 569.2 (Maintenance of Computer Software)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:104b
38	Account No. 569.3 (Maintenance of Communication Equipment)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:105b
39	Account No. 569.4 (Maintenance of Miscellaneous Regional Transmission Plant)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:106b
40	Account No. 570 (Maintenance of Station Equipment)	\$ 786,673	\$ 188,527	\$ 975,201		\$ 975,201	FF1 at 321:107b
41	Account No. 571 (Maintenance of Overhead Lines)	\$ 1,977,615	\$ 650,563	\$ 2,628,178		\$ 2,628,178	FF1 at 321:108b
42	Account No. 572 (Maintenance of Underground Lines)	\$ 42,784	\$ 10,253	\$ 53,037		\$ 53,037	FF1 at 321:109b
43	Account No. 573 (Maintenance of Miscellaneous Transmission Plant)	\$ 172,056	\$ 41,233	\$ 213,290		\$ 213,290	FF1 at 321:110b
44	Total	\$ 4,820,917	\$ 1,905,428	\$ 6,726,345	Exhibit 5	\$ 6,726,345	
45							
46	<u>Other Pension and Benefit Liabilities (EOY)</u>						
47	Accumulated Provision for Pensions and Benefits - Liability	\$ (26,296,215)	\$ (2,990,931)	\$ (29,287,146)	Exhibit 4	\$ 29,287,146	FF1 at 112:29c
48							
49	<u>Other Regulatory Liabilities (EOY)</u>						
50	Accumulated Provision for Pensions and Benefits - Regulatory Liability	\$ -	\$ -	\$ -			
51	Items not included in Transmission Investment Base - Regulatory Liability	\$ 99,681,061		\$ 99,681,061			
52	Total	\$ 99,681,061	\$ -	\$ 99,681,061	Exhibit 4	\$ 99,681,061	FF1 at 278:f
53							
54	<u>Other Regulatory Assets (EOY)</u>						
55	Accumulated Provision for Pensions and Benefits - Regulatory Assets	\$ 6,162,376	\$ (201,140)	\$ 5,961,236			
56	Items not included in Transmission Investment Base - Regulatory Assets	\$ 137,354,021		\$ 137,354,021			
57	Total	\$ 143,516,397	\$ (201,140)	\$ 143,315,257	Exhibit 4	\$ 143,315,257	FF1 at 232:f
58							
59	<u>Other Expense</u>						
60	Amortization of Investment Tax Credits	\$ 5,152	\$ -	\$ 5,152	Exhibit 5	\$ 5,152	FF1 at 266:8f
61							
62	Post-Retirement Benefits Other than Pensions (PBOP)	\$ 2,542,659	\$ 353,731	\$ 2,896,390	Exhibit 5		
63	Other Amounts Recorded to Account No. 926			\$ 3,347,723			
64				\$ 6,244,113		\$ 6,244,113	FF1 at 323:187b
65							
66	<u>Account No. 407.3 Reconciliation</u>						
67	Amortization of Pension and PBOP Regulatory Asset			\$ -	Exhibit 5		
68	Other Regulatory Debits			\$ 13,275,030			
69	Total			\$ 13,275,030		\$ 13,275,030	FF1 at 114:12c
70							
71	<u>Account No. 923 Reconciliation</u>						
72	Regulatory Proceedings Expense			\$ -	Exhibit 5		
73	Other Outside Services Employed Expense			\$ 5,586,020	Exhibit 5		
74	Total			\$ 5,586,020		\$ 5,586,020	FF1 at 323:184b
75							

	(a) BHD Value	(b) MPD Value	(c) Total		FF1 Value	FF1 Value Reference(s)
162 <u>Unbilled Amounts</u>						
163 MWh	(8,245)	5,146	(3,099)		(3,099)	FF1 at 304:b
164 Revenue	\$ (1,276,052)	\$ 359,290	\$ (916,762)		\$ (916,762)	FF1 at 304:c
165						
166	(a) MWh	(b) Revenue	(c) Avg. Count			
167 BHD (excluding unbilled)	1,495,949	\$ 143,276,197	132,260	(c) Exhibit 6		Cols. a & b totals: FF1 at 304:b & 304:c
168 MPD (excluding unbilled)	530,682	\$ 38,301,575	37,313	(c) Exhibit 6		Col. c total: FF1 at 304:d
169	2,026,631	\$ 181,577,772	169,573			
170						
171 BHD (including unbilled)	1,487,704	\$ 142,000,145		Exhibit 6		a: 161a + 165a, b: 162a + 165b
172 MPD (including unbilled)	535,828	\$ 38,660,865		Exhibit 6		a: 161b + 166a, b: 162b + 166b
173	2,023,532	\$ 180,661,010				FF1 at 304:b & 304:c

174
175 Values may differ slightly from FERC Form 1 due to rounding.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
 RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
 ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
 WP ADIT

Workpaper - ADIT	a	b	c	d	e	f	g	h	i	j	k	l	m	n = avg. [a:m]	o	p = n * o		
Line Description	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Input Value	MPD Allocator (Exhibit 6)	MPD Transmission	Reference(s)	
1 Account No. 190 exclusive of deferred income taxes associated with stranded costs, retail rake-making, affiliated companies, or any ASC-740 amounts																	FF1 at 111:82c, Company Records	
2 FASB 106 Liability	\$ 755,367	\$ 745,923	\$ 741,648	\$ 746,020	\$ 745,174	\$ 746,105	\$ 745,240	\$ 744,314	\$ 746,417	\$ 744,711	\$ 743,757	\$ 744,694	\$ 744,774	\$ 745,703				
3 Supplemental Executive Retirement Plan (SERP)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
4 Accrued Vacation Time	\$ 75,221	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 73,785	\$ 89,101	\$ 75,074			
5 Accrued Pension	\$ 554,149	\$ 557,171	\$ 560,193	\$ 563,215	\$ 553,612	\$ 556,634	\$ 559,656	\$ 550,054	\$ 553,076	\$ 556,098	\$ 540,891	\$ 468,165	\$ 471,187	\$ 541,854				
6 [Reserved]																		
7 [Reserved]																		
8 [Reserved]																		
9 [Reserved]																		
10 [Reserved]																		
11 [Reserved]																		
12														\$ 1,362,631	Salaries and Wages	12.05%	\$ 164,138	
13 Account No. 190 - Subject to MPD Plant Allocation																		
14 Net Operating Loss	\$ 232,552	\$ 166,623	\$ 187,610	\$ 158,132	\$ 194,983	\$ 195,325	\$ 158,514	\$ 194,344	\$ 132,247	\$ 217,185	\$ 264,768	\$ 274,984	\$ 289,827	\$ 205,161				
15 OH Time Study FERC Audit Refunds	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,266	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,623	\$ 420,596				
16 [Reserved]																		
17 [Reserved]																		
18 [Reserved]																		
19 [Reserved]																		
20 [Reserved]																		
21 [Reserved]																		
22 [Reserved]																		
23 [Reserved]																		
24														\$ 625,757	Plant Allocator	37.84%	\$ 236,776	
25 Account No. 190 - Subject to Revenue Allocation																		
26 Sales Tax Reserve	\$ 62,035	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 66,276	\$ 65,950				
27 Research & Development Credits	\$ 83,614	\$ 75,830	\$ 68,936	\$ 62,043	\$ 55,149	\$ 48,255	\$ 41,362	\$ 34,468	\$ 27,574	\$ 20,681	\$ 13,787	\$ 8,853	\$ 135,886	\$ 52,034				
28 [Reserved]																		
29 [Reserved]																		
30 [Reserved]																		
31 [Reserved]																		
32 [Reserved]																		
33 [Reserved]																		
34 [Reserved]																		
35 [Reserved]																		
36														\$ 117,983	Revenue Allocator	30.62%	\$ 36,128	
37 TOTAL														\$ 437,042			Sum [12p, 24p, 36p]	
38																		
39 Account No. 282 exclusive of amounts related to ASC-740																	FF1 at 113:63c, Company Records	
40 [Reserved]																		
41 [Reserved]																		
42 [Reserved]																		
43 [Reserved]																		
44 [Reserved]																		
45 [Reserved]																		
46 [Reserved]																		
47 [Reserved]																		
48 [Reserved]																		
49 [Reserved]																		
50														\$ -	Salaries and Wages	12.05%	\$ -	
51 Account No. 282 - Subject to MPD Plant Allocation																		
52 (MPD) Plant Accumulated Depreciation Differences	\$ (15,144,333)	\$ (15,233,346)	\$ (15,322,359)	\$ (15,397,617)	\$ (15,482,045)	\$ (15,566,472)	\$ (15,650,900)	\$ (15,735,328)	\$ (15,819,756)	\$ (15,954,157)	\$ (16,044,138)	\$ (15,907,805)	\$ (16,230,921)	\$ (15,653,014)				
53 (MPD) Net Salvage	\$ 687,441	\$ 692,842	\$ 698,242	\$ 703,917	\$ 709,409	\$ 714,900	\$ 720,392	\$ 725,884	\$ 731,376	\$ 732,204	\$ 737,177	\$ 742,151	\$ 809,747	\$ 723,514				
54 (MPD) Basis Difference on 263(A) Cap O/H	\$ 637,154	\$ 647,393	\$ 657,633	\$ 667,873	\$ 678,112	\$ 688,352	\$ 698,591	\$ 708,831	\$ 719,070	\$ 729,310	\$ 739,550	\$ 756,253	\$ 779,417	\$ 700,580				
55 (MPD) Basis Difference on Repair/Replace	\$ 495,965	\$ 502,557	\$ 509,150	\$ 515,743	\$ 522,336	\$ 528,929	\$ 535,522	\$ 542,115	\$ 548,708	\$ 555,301	\$ 561,894	\$ 574,026	\$ 591,695	\$ 537,226				
56.1 (MPD) 263(A) Interest	\$ (53,417)	\$ (53,841)	\$ (54,265)	\$ (54,689)	\$ (55,113)	\$ (55,537)	\$ (55,961)	\$ (56,385)	\$ (56,809)	\$ (57,233)	\$ (57,657)	\$ (57,879)	\$ (57,948)	\$ (55,903)				
56.2 (MPD) Interest Cap for Tax not Books - Transmission & D	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681	\$ 102,681				
57 (MPD) CIAC	\$ (104,740)	\$ (105,686)	\$ (106,632)	\$ (107,578)	\$ (108,523)	\$ (109,469)	\$ (110,415)	\$ (111,360)	\$ (112,306)	\$ (113,252)	\$ (114,198)	\$ (115,114)	\$ (115,996)	\$ (110,405)				
58 (MPD) Sec. 162 Repairs Deduction - Transmission & D	\$ (2,918,024)	\$ (2,947,619)	\$ (2,977,214)	\$ (3,032,099)	\$ (3,070,124)	\$ (3,108,149)	\$ (3,146,174)	\$ (3,184,199)	\$ (3,222,224)	\$ (3,043,195)	\$ (3,057,103)	\$ (3,060,261)	\$ (3,646,507)	\$ (3,108,684)				
59 (MPD) Sec. 263(A) Capitalized Overheads - Transmission & I	\$ (5,308,320)	\$ (5,331,760)	\$ (5,355,199)	\$ (5,410,751)	\$ (5,444,895)	\$ (5,479,039)	\$ (5,513,183)	\$ (5,547,326)	\$ (5,581,470)	\$ (5,499,786)	\$ (5,521,060)	\$ (5,592,831)	\$ (5,718,815)	\$ (5,484,957)				
60 (MPD) Cost of Removal - Transmission & D	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)	\$ (128,727)				
61 (MPD) Tax Gains (Losses) - Transmission & D	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (184,821)	\$ (194,378)	\$ (194,378)	\$ (186,291)				
62														\$ (22,663,978)	Plant Allocator	37.84%	\$ (8,575,660)	
63																		

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
 RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
 ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
 WP DTA/(L) AMORTIZATION EXPENSE AND BALANCE

Workpaper - Deferred Tax Asset/(Liability) Amortization Expense and Balance

Line Description	a1	a[] *	b = Sum a1:a[]	Reference(s)
1 Calendar Year 2022	TCJA 2017	[Reserved]		
2				
3 Annual Versant Power Amortization of Deficient ADIT Asset (Account 410.1)	\$ 343,365			WP Prot DTA(L) Amort by Year Col. a + WP Unprot DTA(L) Amort by Year Col. a
4 Annual Versant Power Amortization of Excess ADIT Liability (Account 411.1)	\$ (3,608,308)			WP Prot DTA(L) Amort by Year Col. b + WP Unprot DTA(L) Amort by Year Col. b
5				
6 Annual Amortization of MPD Transmission Deficient/(Excess) ADIT Assets/(Liabilities) - Protected	\$ (56,846)		\$ (56,846)	WP Prot DTA/(L) Amort by Year, Col. e (for Applicable Year)
7 Annual Amortization of MPD Transmission Deficient/(Excess) ADIT Assets/(Liabilities) - Unprotected	\$ (112,388)		\$ (112,388)	WP Unprot DTA/(L) Amort by Year, Col. e (for Applicable Year)
8 Total MPD Transmission Annual Amortization Expense (to Exhibit 5 at 6.3a)	\$ (169,234)	\$ -	\$ (169,234)	6a + 7a
9				
10 Monthly Amortization	\$ (14,103)	\$ -	\$ (14,103)	Line 8 / 12
11				
12 Deferred Tax Assets/(Liabilities) as Allocated to MPD Transmission by Month			Values to Ex. 4 at 26.1	
13 December 2021	\$ (2,796,849)		\$ (2,796,849)	Prior Year, WP DTA/(L) Amortization, Line 25
14 January 2022	\$ (2,782,746)	\$ -	\$ (2,782,746)	Line 13 - Line 10
15 February 2022	\$ (2,768,643)	\$ -	\$ (2,768,643)	Line 14 - Line 10
16 March 2022	\$ (2,754,540)	\$ -	\$ (2,754,540)	Line 15 - Line 10
17 April 2022	\$ (2,740,438)	\$ -	\$ (2,740,438)	Line 16 - Line 10
18 May 2022	\$ (2,726,335)	\$ -	\$ (2,726,335)	Line 17 - Line 10
19 June 2022	\$ (2,712,232)	\$ -	\$ (2,712,232)	Line 18 - Line 10
20 July 2022	\$ (2,698,129)	\$ -	\$ (2,698,129)	Line 19 - Line 10
21 August 2022	\$ (2,684,026)	\$ -	\$ (2,684,026)	Line 20 - Line 10
22 September 2022	\$ (2,669,923)	\$ -	\$ (2,669,923)	Line 21 - Line 10
23 October 2022	\$ (2,655,820)	\$ -	\$ (2,655,820)	Line 22 - Line 10
24 November 2022	\$ (2,641,718)	\$ -	\$ (2,641,718)	Line 23 - Line 10
25 December 2022	\$ (2,627,615)	\$ -	\$ (2,627,615)	Line 24 - Line 10

* Additional columns to be added as necessary.

Notes

[] [Reserved]

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES**

**ATTACHMENT J
WP PROTECTED DTA/(L) AMORTIZATION BY YEAR**

Workpaper - Protected Deferred Tax Asset/(Liability) Amortization by Year *

Tax Cut and Jobs Act of 2017

		a (Notes 1, 2)	b	c = a + b	d	e = c * d
Line	Year	Versant Power		Net Protected Amortization	MPD Transmission Protected Allocator (Note 3)	MPD Transmission Net Protected Amortization
		Protected Amortization (Note 1) of Deficient DIT Asset	of Excess DIT Liability			
		Acct 410.1	Acct 411.1			
1	2018	\$ -	\$ (1,430,485)	\$ (1,430,485)	3.68%	\$ (52,664)
2	2019	\$ -	\$ (1,476,435)	\$ (1,476,435)	3.68%	\$ (54,356)
3	2020	\$ -	\$ (1,539,244)	\$ (1,539,244)	3.68%	\$ (56,668)
4	2021	\$ -	\$ (1,526,282)	\$ (1,526,282)	3.68%	\$ (56,191)
5	2022	\$ -	\$ (1,544,082)	\$ (1,544,082)	3.68%	\$ (56,846)
6	2023	\$ -	\$ (1,856,456)	\$ (1,856,456)	3.68%	\$ (68,346)
7	2024	\$ -	\$ (1,835,893)	\$ (1,835,893)	3.68%	\$ (67,589)
8	2025	\$ -	\$ (1,822,297)	\$ (1,822,297)	3.68%	\$ (67,089)
9	2026	\$ -	\$ (1,788,602)	\$ (1,788,602)	3.68%	\$ (65,848)
10	2027	\$ -	\$ (1,762,492)	\$ (1,762,492)	3.68%	\$ (64,887)
11	2028	\$ -	\$ (1,808,670)	\$ (1,808,670)	3.68%	\$ (66,587)
12	2029	\$ -	\$ (1,652,962)	\$ (1,652,962)	3.68%	\$ (60,855)
13	2030	\$ -	\$ (1,634,894)	\$ (1,634,894)	3.68%	\$ (60,190)
14	2031	\$ -	\$ (1,667,857)	\$ (1,667,857)	3.68%	\$ (61,403)
15	2032	\$ -	\$ (1,665,177)	\$ (1,665,177)	3.68%	\$ (61,304)
16	2033	\$ -	\$ (1,730,116)	\$ (1,730,116)	3.68%	\$ (63,695)
17	2034	\$ -	\$ (1,793,184)	\$ (1,793,184)	3.68%	\$ (66,017)
18	2035	\$ -	\$ (1,812,324)	\$ (1,812,324)	3.68%	\$ (66,722)
19	2036	\$ -	\$ (1,822,137)	\$ (1,822,137)	3.68%	\$ (67,083)
20	2037	\$ -	\$ (1,870,187)	\$ (1,870,187)	3.68%	\$ (68,852)
21	2038	\$ -	\$ (1,857,485)	\$ (1,857,485)	3.68%	\$ (68,384)
22	2039	\$ -	\$ (2,395,400)	\$ (2,395,400)	3.68%	\$ (88,188)

23	2040	\$	-	\$	(2,351,883)	\$	(2,351,883)	3.68%	\$	(86,586)
24	2041	\$	-	\$	(2,240,700)	\$	(2,240,700)	3.68%	\$	(82,493)
25	2042	\$	-	\$	(2,156,775)	\$	(2,156,775)	3.68%	\$	(79,403)
26	2043	\$	-	\$	(2,087,235)	\$	(2,087,235)	3.68%	\$	(76,843)
27	2044	\$	-	\$	(1,975,226)	\$	(1,975,226)	3.68%	\$	(72,719)
28	2045	\$	-	\$	(1,655,523)	\$	(1,655,523)	3.68%	\$	(60,949)
29	2046	\$	-	\$	(1,553,861)	\$	(1,553,861)	3.68%	\$	(57,206)
30	2047	\$	-	\$	(1,360,651)	\$	(1,360,651)	3.68%	\$	(50,093)
31	2048	\$	-	\$	(1,308,403)	\$	(1,308,403)	3.68%	\$	(48,170)
32	2049	\$	-	\$	(1,269,523)	\$	(1,269,523)	3.68%	\$	(46,738)
33	2050	\$	-	\$	(1,190,903)	\$	(1,190,903)	3.68%	\$	(43,844)
34	2051	\$	-	\$	(1,147,568)	\$	(1,147,568)	3.68%	\$	(42,248)
35	2052	\$	-	\$	(1,108,765)	\$	(1,108,765)	3.68%	\$	(40,820)
36	2053	\$	-	\$	(1,015,853)	\$	(1,015,853)	3.68%	\$	(37,399)
37	2054	\$	-	\$	(918,214)	\$	(918,214)	3.68%	\$	(33,805)
38	2055	\$	-	\$	(804,361)	\$	(804,361)	3.68%	\$	(29,613)
39	2056	\$	-	\$	(737,411)	\$	(737,411)	3.68%	\$	(27,148)
40	2057	\$	-	\$	(598,392)	\$	(598,392)	3.68%	\$	(22,030)

□ **

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.

** Additional rows to be added as necessary.

Notes

1 Source: PriceWaterhouse Coopers Study for Versant Power

2 To the extent permitted by enacted law, IRS authority and/or published guidance, values shall represent the maximum amount of protected excess and deficient ADIT allowed to be included in the formula rate in each rate year under the provisions of the most applicable IRS guidance or requirements. Accordingly, values may be revised for matters that alter the maximum amount of excess and deficient ADIT allowed to be included in the formula rate in the current or future rate year (e.g., book accounting depreciation rate changes and impairments or income tax matters).

3 WP Protected DTA(L) Allocators at 3a

□ [Reserved]

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES**

**ATTACHMENT J
WP UNPROTECTED DTA/(L) AMORTIZATION BY YEAR**

Workpaper - Unprotected Deferred Tax Asset/(Liability) Amortization by Year *
Tax Cut and Jobs Act of 2017

		a	b	c = a + b	d	e = c * d
Line	Year	Versant Power		Versant Power Total Net Unprotected Amortization	MPD Transmission Unprotected Allocator (Note 3)	MPD Transmission Net Unprotected Amortization
		Unprotected Amortization of Deficient DIT Asset (Note 1)	of Excess DIT Liability (Note 2)			
		Acct 410.1	Acct 411.1			
1	2018	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
2	2019	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
3	2020	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
4	2021	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
5	2022	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
6	2023	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
7	2024	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
8	2025	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
9	2026	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
10	2027	\$ 343,365	\$ (2,064,226)	\$ (1,720,861)	6.53%	\$ (112,388)
☐	**					

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.
** Additional rows to be added as necessary.

Notes

- 1 WP Initial DTA/(L) Detail at 2.01b / 10. See FERC Order 165 FERC ¶ 61,086 PP 44, 45 (re 10 year amort for unprotecte
- 2 WP Initial DTA/(L) Detail at 2.02b / 10. See FERC Order 165 FERC ¶ 61,086 PP 44, 45 (re 10 year amort for unprotecte
- 3 WP Unprotected DTA(L) Allocators at 3a
- ☐ [Reserved]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
WP INITIAL DTA/(L) DETAIL

Workpaper - Initial Deferred Tax Asset/(Liability) Detail *
Tax Cut and Jobs Act of 2017

Line	Description	a	b	c = a - b	d	e	f	g	Reference(s)
		Value at 12/31/2017 at 35%	Value at 12/31/2017 at 21%	Difference (Note 1)	Originating Account	Recorded Account	Protected/ Unprotected	Amortization Period	
1.001	Plant Differences - Protected	\$(159,134,377)	\$(95,480,626)	\$(63,653,751)	282	254	Protected	ARAM	Company Records
1.002	Plant Differences - Unprotected	\$(42,963,139)	\$(25,777,883)	\$(17,185,255)	282	254	Unprotected	10 years	Company Records
1.003	Regulatory Assets / Liabilities	\$(6,783,612)	\$(4,070,167)	\$(2,713,445)	283	254	Unprotected	10 years	Company Records
1.004	Pension / Post Retirement Benefits	\$5,931,249	\$3,558,750	\$2,372,500	190	182.3	Unprotected	10 years	Company Records
1.005	Accrued Liabilities	\$1,423,947	\$854,368	\$569,579	283	182.3	Unprotected	10 years	Company Records
1.006	Reserved Liabilities	\$614,511	\$368,707	\$245,804	283	182.3	Unprotected	10 years	Company Records
1.007	Prepaid Assets	\$(864,040)	\$(518,424)	\$(345,616)	283	254	Unprotected	10 years	Company Records
1.008	Equity Related Differences	\$(994,861)	\$(596,916)	\$(397,944)	283	254	Unprotected	10 years	Company Records
1.009	Other	\$614,411	\$368,647	\$245,765	283	182.3	Unprotected	10 years	Company Records
1.[] **									

Line	Description	a	b	c = a + b	Reference(s)
		Protected	Unprotected	Total	
2.01	Versant Power Deferred Tax Asset (Account 182.3)	\$-	\$3,433,648	\$3,433,648	Sum of Relevant Values in 1.001c:1.009c
2.02	Versant Power Deferred Tax Liability (Account 254)	\$(63,653,751)	\$(20,642,261)	\$(84,296,011)	Sum of Relevant Values in 1.001c:1.009c
3	<u>Versant Power Net Deferred Tax Asset/(Liability)</u>	<u>\$(63,653,751)</u>	<u>\$(17,208,613)</u>	<u>\$(80,862,364)</u>	Sum Lines 2.01:2.02
4					
5	Blended Federal & State Statutory Tax Rate			28.05%	1 - [(1 - Exhibit 3 at 47d) * (1 - Exhibit 3 at 57d)]
6					
7	Gross-Up on Versant Power Deferred Tax Asset			\$1,338,933	[2.01c * 1/(1-5c)] - 2.01c, Note 2
8	Gross-Up on Versant Power Deferred Tax Liability			\$(32,870,796)	[2.02c * 1/(1-5c)] - 2.02c, Note 2

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.
** Additional rows to be added as necessary.

Notes

- ADIT accounts are remeasured by analyzing, for each ADIT inventory maintained, the future obligation or credit of Versant Power under a 21 percent federal tax rate.
- Gross-up is not included in rate base. Rather, gross-up of amortization is provided for in Exhibit 5, Lines 6.2 to 6.5.
- [Reserved]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
 RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
 ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
 WP PROTECTED DTA/(L) ALLOCATORS

Workpaper - Protected Deferred Tax Asset/(Liability) Allocators*
 Tax Cut and Jobs Act of 2017

Line	Description	a	b	c	Reference(s)
1	<u>Protected Deficient/(Excess) Deferred Tax Allocators</u>	Transmission	Distribution	Total (= T + D)	
2	Bangor Hydro District	46.54%	41.60%	88.14%	a: 24b / 6c; b: 24c / 6c
3	Maine Public District	3.68%	8.18%	11.86%	a: 38b / 6c; b: 38c / 6c
4	<u>Total</u>			100.00%	2c + 3c
5					
6	Deficient/(Excess) Protected ADIT			\$ (63,653,751)	WP Initial DTA(L) Detail at 3a
7					
8			Allocator	Alloc. Amount	
9	BHD Deficient/(Excess) Protected ADIT		88.14%	\$ (56,103,563)	WP NTV NBV Differences [5c / (5c + 5f)]; 6c * 9b
10					
11	BHD Allocation Stage 1		Allocator	Alloc. Amount	
12	Transmission		51.03%	\$ (28,627,628)	WP NTV NBV Differences [4c / 5c]; 9c * 12b
13	Distribution		34.37%	\$ (19,283,067)	WP NTV NBV Differences [3c / 5c]; 9c * 13b
14	Common	14.60%			WP NTV NBV Differences [2c / 5c]
15	Common (CIS)		0.42%	\$ (235,479)	44c * 14a; 9c * 15b
16	Common (General)		14.18%	\$ (7,957,389)	14a - 15b; 9c * 16b
17	<u>Total</u>		100%	\$ (56,103,563)	Sum Lines 11, 12, 14, 15
18					
19	BHD Allocation Stage 2	Tr. Allocator	Transmission	Distribution	
20	Transmission	100.04%	\$ (28,639,079)	\$ 11,451	Col. a: From BHD Ann. Update for 2018
21	Distribution	0.00%	\$ -	\$ (19,283,067)	Col. b: Col. a * applicable value from 12c:16c
22	Common (CIS)	33.30%	\$ (78,415)	\$ (157,065)	Col. c: Applicable value from 12c:16c - Col. b
23	Common (General)	11.41%	\$ (907,938)	\$ (7,049,451)	
24	<u>Total</u>		\$ (29,625,432)	\$ (26,478,131)	
25					
26	MPD Deficient/(Excess) Protected ADIT		11.86%	\$ (7,550,188)	WP NTV NBV Differences [5f / (5c + 5f)]; 6c * 26b
27					
28	MPD Allocation Stage 1		Allocator	Alloc. Amount	
29	Transmission		30.57%	\$ (2,308,144)	WP NTV NBV Differences [4f / 5f]; 26c * 29b
30	Distribution		65.33%	\$ (4,932,640)	WP NTV NBV Differences [3f / 5f]; 26c * 30b
31	Common		4.10%	\$ (309,403)	WP NTV NBV Differences [3f / 5f]; 26c * 31b
32	<u>Total</u>		100%	\$ (7,550,188)	Sum Lines 29:31
33					
34	MPD Allocation Stage 2	Tr. Allocator	Transmission	Distribution	
35	Transmission	100.00%	\$ (2,308,144)	\$ -	37a: From MPD Ann. Update for 2018
36	Distribution	0.00%	\$ -	\$ (4,932,640)	Col. b: Col. a * applicable value from 29c:31c
37	Common	11.41%	\$ (35,303)	\$ (274,101)	Col. c: Applicable value from 29c:31c - Col. b
38	<u>Total</u>		\$ (2,343,447)	\$ (5,206,741)	
39					
40	Determination of CIS as Percentage of BHD Common at	12/31/2017			
41	CIS Accumulated Depreciation			\$ 5,004,167	Company Records
42	General, Intangible and Distribution Accumulated Depreciation			\$ 174,106,587	Company Records
43					
44	CIS as Percentage of Common			2.87%	41c / 42c

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.

Notes

☐	[Reserved]
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VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
WP UNPROTECTED DTA(L) ALLOCATORS

Workpaper - Unprotected Deferred Tax Asset/(Liability) Allocators*
Tax Cut and Jobs Act of 2017

Line	Description	a	b	c	Reference(s)
1	<u>Unprotected Deficient/(Excess) Deferred Tax Allocators</u>	Transmission	Distribution	Total (= T + D)	
2	Bangor Hydro District	36.89%	49.44%	86.33%	a: 24b / 6c; b: 24c / 6c
3	Maine Public District	6.53%	7.14%	13.67%	a: 38b / 6c; b: 38c / 6c
4	<u>Total</u>			100.00%	2c + 3c
5					
6	Deficient/(Excess) Protected ADIT			\$ (63,653,751)	WP Initial DTA(L) Detail at 3a
7					
8			Allocator	Alloc. Amount	
9	BHD Deficient/(Excess) Protected ADIT		86.33%	\$ (54,951,500)	WP NTV NBV Differences [5c / (5c + 5f)]; 6c * 9b
10					
11	BHD Allocation Stage 1		Allocator	Alloc. Amount	
12	Transmission		42.58%	\$ (23,398,933)	WP NTV NBV Differences [4c / 5c]; 9c * 12b
13	Distribution		56.29%	\$ (30,930,708)	WP NTV NBV Differences [3c / 5c]; 9c * 13b
14	Common	1.13%			WP NTV NBV Differences [2c / 5c]
15	Common (CIS)		0.03%	\$ (17,873)	44c * 14a; 9c * 15b
16	Common (General)		1.10%	\$ (603,987)	14a - 15b; 9c * 16b
17	<u>Total</u>		100%	\$ (54,951,500)	Sum Lines 11, 12, 14, 15
18					
19	BHD Allocation Stage 2	Tr. Allocator	Transmission	Distribution	
20	Transmission	100.04%	\$ (23,408,292)	\$ 9,360	Col. a: From BHD Ann. Update for 2018
21	Distribution	0.00%	\$ -	\$ (30,930,708)	Col. b: Col. a * applicable value from 12c:16c
22	Common (CIS)	33.30%	\$ (5,952)	\$ (11,922)	Col. c: Applicable value from 12c:16c - Col. b
23	Common (General)	11.41%	\$ (68,915)	\$ (535,072)	
24	<u>Total</u>		\$ (23,483,159)	\$ (31,468,342)	
25					
26	MPD Deficient/(Excess) Protected ADIT		13.67%	\$ (8,702,250)	WP NTV NBV Differences [5f / (5c + 5f)]; 6c * 26b
27					
28	MPD Allocation Stage 1		Allocator	Alloc. Amount	
29	Transmission		47.17%	\$ (4,104,915)	WP NTV NBV Differences [4f / 5f]; 26c * 29b
30	Distribution		47.57%	\$ (4,139,321)	WP NTV NBV Differences [3f / 5f]; 26c * 30b
31	Common		5.26%	\$ (458,014)	WP NTV NBV Differences [3f / 5f]; 26c * 31b
32	<u>Total</u>		100%	\$ (8,702,250)	Sum Lines 29:31
33					
34	MPD Allocation Stage 2	Tr. Allocator	Transmission	Distribution	
35	Transmission	100.00%	\$ (4,104,915)	\$ -	37a: From MPD Ann. Update for 2018
36	Distribution	0.00%	\$ -	\$ (4,139,321)	Col. b: Col. a * applicable value from 29c:31c
37	Common	11.41%	\$ (52,259)	\$ (405,755)	Col. c: Applicable value from 29c:31c - Col. b
38	<u>Total</u>		\$ (4,157,174)	\$ (4,545,076)	
39					
40	Determination of CIS as Percentage of BHD Common at	12/31/2017			
41	CIS Accumulated Depreciation			\$ 5,004,167	Company Records
42	General, Intangible and Distributino Accumulated Depreciation			\$ 174,106,587	Company Records
43					
44	CIS as Percentage of Common			2.87%	41c / 42c

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.

Notes
[] [Reserved]

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
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**ATTACHMENT J
WP NTV NBV DIFFERENCES**

**Workpaper - Net Tax Value (NTV) - Net Book Value (NBV) Differences*
Tax Cut and Jobs Act of 2017**

Line	Description	BHD			MPD			Reference(s)
		a	b	c = a - b	d	e	f = d - e	
1	<u>Protected Assets</u>	Net Tax Value	Book Net Value	Difference	Net Tax Value	Book Net Value	Difference	
2	Common	\$ 86,571,866	\$ 166,543,433	\$ (79,971,567)	\$ 22,478,631	\$ 25,498,756	\$ (3,020,125)	Company Records
3	Distribution	\$ 37,924,068	\$ 226,148,396	\$ (188,224,328)	\$ 12,828,680	\$ 60,976,773	\$ (48,148,093)	Company Records
4	Transmission	\$ 93,934,947	\$ 373,372,662	\$ (279,437,715)	\$ 14,493,745	\$ 37,023,819	\$ (22,530,074)	Company Records
5	Total	\$ 218,430,881	\$ 766,064,490	\$ (547,633,609)	\$ 49,801,056	\$ 123,499,347	\$ (73,698,291)	Sum L. 2 to L. 4
6								
7	<u>Unprotected Assets</u>	Net Tax Value	Book Net Value	Difference	Net Tax Value	Book Net Value	Difference	
8	Common	\$ -	\$ (1,763,082)	\$ 1,763,082	\$ 40,828	\$ (1,257,723)	\$ 1,298,551	Company Records
9	Distribution	\$ 3,316,108	\$ (84,377,847)	\$ 87,693,955	\$ 662,186	\$ (11,073,512)	\$ 11,735,698	Company Records
10	Transmission	\$ 2,558,450	\$ (63,781,608)	\$ 66,340,058	\$ 326,049	\$ (11,312,101)	\$ 11,638,150	Company Records
11	Total	\$ 5,874,558	\$ (149,922,537)	\$ 155,797,095	\$ 1,029,063	\$ (23,643,336)	\$ 24,672,399	Sum L. 2 to L. 4

* Sheet may be replicated for each change in tax rate resulting in excess or deficient ADITs.

Notes

- 1 Source: PriceWaterhouse Coopers
- 2 Spreadsheet data represents differences between the net tax basis and the net book value of protected and unprotected deferred income tax items as of the effective date of the tax rate change. The effective date is December 31, 2017 for the Tax Cut and Jobs Act of 2017.
- [] [Reserved]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
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ATTACHMENT J
WP CUSTOMER COSTS

Workpaper - Customer Costs

a

Line Description	Value	Reference(s)
1 Account Nos. 901 to 905	\$ 11,836,788	FF1 at 322:164b
2 Account Nos. 907 to 910	\$ 161,261	FF1 at 323:171b
3 <u>Total</u>	<u>\$ 11,998,049</u>	1a + 2a
4 Company Revenue Allocator (MPD)	21.40%	Exhibit 6 at 29a
5 <u>MPD Allocation</u>	<u>\$ 2,567,543</u>	3a * 4a
6 MPD Revenue Allocator (Transmission)	30.62%	Exhibit 6 at 43a
7 <u>MPD Retail Transmission Allocation</u>	<u>\$ 786,220</u>	5a * 6a

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
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ATTACHMENT J
WP RETAIL JUNE TRUE-UP

Workpaper - Retail Customer Deferrred Revenue Adjustment Associated with Retail Rates Going into Effect on July vs June

Line	Retail Rate Tariff		a	b	c	d	e	Reference(s)	
			(Note 1)	(Note 1)	= b - a	(Note 2)	= c * d		
			2021-2022	22-23 3rd Cor	rate delta	Billing Data			
			\$/kWh or	\$/kWh or	\$/kWh or	kWh or kW	Credit (Refund)		
			\$/kW	\$/kW	\$/kW				
1	A/A1/AH/AHN	kWh	0.018003	0.022373	0.004370	13,483,451	\$ 58,927	a & b: Exh. 1b from annual updates referenced in column headings	
2	C/SNO/F/D2	kWh	0.022134	0.036711	0.014577	6,486,597	\$ 94,554		
3	ES	kW	7.21	8.17	0.97	16,776	\$ 16,216		
4	EP	kW	6.71	6.41	(0.29)	3,288	\$ (962)		
5	ES-T	kW	7.95	10.76	2.81	1,784	\$ 5,015		
6	EP-T	kW	5.24	10.35	5.11	4,200	\$ 21,456		
7	S-T	kW	7.16	10.43	3.26	6,540	\$ 21,350		
8	H-T	kW	8.49	11.50	3.01	16,616	\$ 49,984		
9	SL/T	kWh	0.010345	0.008654	(0.001692)	192,307	\$ (325)		
10	Total Retail Transmission Revenue Adjustment						\$	266,214	Sum [1e:9e]
11									
12			a	b	c	d	d = b * c		
13									
14									
15	Month		Year	Balance	Monthly Rate (Note 3)	Total	Col. (b) Reference		
16	June		2022	\$ 266,214	0.27%	\$ 719	10e		
17	July		2022	\$ 266,933	0.31%	\$ 827	16b + 16d		
18	August		2022	\$ 266,933	0.31%	\$ 827	17b		
19	September		2022	\$ 266,933	0.30%	\$ 801	17b		
20	October		2022	\$ 269,388	0.42%	\$ 1,131	19b + Sum [17d:19d]		
21	November		2022	\$ 269,388	0.40%	\$ 1,078	20b		
22	December		2022	\$ 269,388	0.42%	\$ 1,131	20b		
23	January		2023	\$ 272,729	0.54%	\$ 1,473	22b + Sum [20d:22d]		
24	February		2023	\$ 272,729	0.48%	\$ 1,309	23b		
25	March		2023	\$ 272,729	0.54%	\$ 1,473	23b		
26	April		2023	\$ 276,983	0.62%	\$ 1,717	25b + Sum [23d:25d]		
27	May		2023	\$ 276,983	0.64%	\$ 1,773	26b		
28	Total Interest						\$	14,260	Sum [16d:27d]
29									
30	Total Retail Transmission Revenue Adjustment						\$	280,473	10e + 28d

Notes

- Figures to be rounded in accordance with billing rates shown in Exhibit 1b.
- Source: Company Customer Information System
- Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2023 TO MAY 31, 2024
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

ATTACHMENT J
WP RETAIL JUNE TRUE-UP

Workpaper - Retail Customer Deferred Revenue Adjustment Associated with Retail Rates Going into Effect on July vs June

Line	Retail Rate Tariff		a	b	c	d	e	Reference(s)	
			(Note 1)	(Note 1)	= b - a	(Note 2)	= c * d		
			22-23 2nd Cor	22-23 3rd Cor	rate delta	Billing Data	Credit (Refund)		
			\$/kWh or \$/kW	\$/kWh or \$/kW	\$/kWh or \$/kW	kWh or kW			
1	A/A1/AH/AHN	kWh	0.024477	0.022373	(0.002103)	13,990,420	\$ (29,426)	a & b: Exh. 1b from annual updates referenced in column headings	
2	C/SNO/F/D2	kWh	0.040162	0.036711	(0.003451)	6,450,447	\$ (22,261)		
3	ES	kW	8.94	8.17	(0.77)	15,445	\$ (11,867)		
4	EP	kW	7.02	6.41	(0.60)	2,861	\$ (1,725)		
5	ES-T	kW	13.15	10.76	(2.40)	1,812	\$ (4,341)		
6	EP-T	kW	8.11	10.35	2.24	4,227	\$ 9,466		
7	S-T	kW	12.58	10.43	(2.15)	6,701	\$ (14,388)		
8	H-T	kW	6.32	11.50	5.18	16,956	\$ 87,879		
9	SL/T	kWh	0.009467	0.008654	(0.000814)	192,289	\$ (156)		
10	Total Retail Transmission Revenue Adjustment						\$	13,180	Sum [1e:9e]
11									
12			a	b	c	d	d = b * c		
13									
14									
15	Month		Year	Balance	Monthly Rate (Note 3)	Total	Col. (b) Reference		
16	June		2022	\$ -	0.27%	\$ -	10e		
17	July		2022	\$ 13,180	0.31%	\$ 41	16b + 16d		
18	August		2022	\$ 13,180	0.31%	\$ 41	17b		
19	September		2022	\$ 13,180	0.30%	\$ 40	17b		
20	October		2022	\$ 13,301	0.42%	\$ 56	19b + Sum [17d:19d]		
21	November		2022	\$ 13,301	0.40%	\$ 53	20b		
22	December		2022	\$ 13,301	0.42%	\$ 56	20b		
23	January		2023	\$ 13,466	0.54%	\$ 73	22b + Sum [20d:22d]		
24	February		2023	\$ 13,466	0.48%	\$ 65	23b		
25	March		2023	\$ 13,466	0.54%	\$ 73	23b		
26	April		2023	\$ 13,676	0.62%	\$ 85	25b + Sum [23d:25d]		
27	May		2023	\$ 13,676	0.64%	\$ 88	26b		
28	Total Interest						\$	669	Sum [16d:27d]
29									
30	Total Retail Transmission Revenue Adjustment						\$	13,849	10e + 28d

Notes

- Figures to be rounded in accordance with billing rates shown in Exhibit 1b.
- Source: Company Customer Information System
- Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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ATTACHMENT J
WP INTEREST ON WHOLESALE TRUE-UP

Workpaper - Interest on Wholesale ATRR True-Up

	a	b	c	d = b * c		
Line	Month	Year	Balance	Monthly Rate (Note 1)	Total	Col. (b) Reference
1	June	2022	\$ 1,290,764	0.27%	\$ 3,485	Exhibit 2 at 37a
2	July	2022	\$ 1,294,249	0.31%	\$ 4,012	1b + 1d
3	August	2022	\$ 1,294,249	0.31%	\$ 4,012	2b
4	September	2022	\$ 1,294,249	0.30%	\$ 3,883	2b
5	October	2022	\$ 1,306,156	0.42%	\$ 5,486	4b + Sum [2d:4d]
6	November	2022	\$ 1,306,156	0.40%	\$ 5,225	5b
7	December	2022	\$ 1,306,156	0.42%	\$ 5,486	5b
8	January	2023	\$ 1,322,352	0.54%	\$ 7,141	7b + Sum [5d:7d]
9	February	2023	\$ 1,322,352	0.48%	\$ 6,347	8b
10	March	2023	\$ 1,322,352	0.54%	\$ 7,141	8b
11	April	2023	\$ 1,342,981	0.62%	\$ 8,326	10b + Sum [8d:10d]
12	May	2023	\$ 1,342,981	0.64%	\$ 8,595	11b
13	TOTAL				\$ 69,139	Sum [1d:12d]

Workpaper - Interest on Scheduling, System Control and Dispatch Service Costs True-Up

Line	Month	Year	Balance	Monthly Rate (Note 1)	Total	Col. (b) Reference
14	June	2022	\$ (119,905)	0.27%	\$ (324)	Exhibit 10 at 8a
15	July	2022	\$ (120,229)	0.31%	\$ (373)	14b + 14d
16	August	2022	\$ (120,229)	0.31%	\$ (373)	15b
17	September	2022	\$ (120,229)	0.30%	\$ (361)	15b
18	October	2022	\$ (121,335)	0.42%	\$ (510)	17b + Sum [15d:17d]
19	November	2022	\$ (121,335)	0.40%	\$ (485)	18b
20	December	2022	\$ (121,335)	0.42%	\$ (510)	18b
21	January	2023	\$ (122,840)	0.54%	\$ (663)	20b + Sum [18d:20d]
22	February	2023	\$ (122,840)	0.48%	\$ (590)	21b
23	March	2023	\$ (122,840)	0.54%	\$ (663)	21b
24	April	2023	\$ (124,756)	0.62%	\$ (773)	23b + Sum [21d:23d]
25	May	2023	\$ (124,756)	0.64%	\$ (798)	24b
26	TOTAL				\$ (6,423)	Sum [14d:25d]

Notes

1 Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

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ATTACHMENT J
WP INTEREST ON RETAIL TRUE-UP

Workpaper - Interest on Retail True-Up

	a	b	c	d = b * c		
Line	Month	Year	Balance	Monthly Rate (Note 1)	Total	Col. (b) Reference
1	June	2022	\$ 1,551,961	0.27%	\$ 4,190	Exhibit 1b at 15a
2	July	2022	\$ 1,556,152	0.31%	\$ 4,824	1b + 1d
3	August	2022	\$ 1,556,152	0.31%	\$ 4,824	2b
4	September	2022	\$ 1,556,152	0.30%	\$ 4,668	2b
5	October	2022	\$ 1,570,468	0.42%	\$ 6,596	4b + Sum [2d:4d]
6	November	2022	\$ 1,570,468	0.40%	\$ 6,282	5b
7	December	2022	\$ 1,570,468	0.42%	\$ 6,596	5b
8	January	2023	\$ 1,589,942	0.54%	\$ 8,586	7b + Sum [5d:7d]
9	February	2023	\$ 1,589,942	0.48%	\$ 7,632	8b
10	March	2023	\$ 1,589,942	0.54%	\$ 8,586	8b
11	April	2023	\$ 1,614,745	0.62%	\$ 10,011	10b + Sum [8d:10d]
12	May	2023	\$ 1,614,745	0.64%	\$ 10,334	11b
13	TOTAL				\$ 83,130	Sum [1d:12d]

Notes

1 Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
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ATTACHMENT J
 WP WHOLESALE ADJUSTMENTS

Workpaper - Adjustments to Wholesale Charges

	a	b	c	d	e	
Line	Rate Year	Filed Value	Adjusted Value	ATRR Impact	Interest (Note 1)	Reference(s)
1				\$ 759,856	[Included in Col. d]	ER15-1429 Settlement filed 3/12/2020, Sec. 4.2.1.3
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	TOTAL			\$ 759,856	\$ -	Sum [1d:10d]; Sum [1e:10e]

Notes

1 Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
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ATTACHMENT J
 WP RETAIL ADJUSTMENTS

Workpaper - Adjustments to Retail Charges

	a	b	c	d	e	
Line	Rate Year	Filed Value	Adjusted Value	ATRR Impact	Interest (Note 1)	Reference(s)
1				\$ (117,229)	[Included in Col. d]	ER20-1977-003 Settlement filed 1/25/23, Sec. 5.2.2
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	TOTAL			\$ (117,229)	\$ -	Sum [1d:10d]; Sum [1e:10e]

Notes

1 Monthly Interest shall be calculated in accordance with 18 CFR Section 35.19a.

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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Workpaper - Transaction Costs

Line	Description	2022							Reference
		a EOY Gross Plant Recorded	b BOY Accum. Depreciation	c EOY Accum. Depreciation	d BOY ADIT	e EOY ADIT	f CY Depreciation Expense		
1	Projects Removed from Transmission Plant								
2	Project 2225 - Integrate MPS into BHE SCADA	\$ 218,477	\$ 29,459	\$ 33,850	\$ (34,552)	\$ (34,705)	\$ (4,391)	Company Records	
3	80% allocation to transmission (see Amended Refund Rept Tab: Project 2225)	\$ 174,782	\$ 23,567	\$ 27,080	\$ (27,642)	\$ (27,764)	\$ (3,513)	a: Value to Exhibit 4 at Line 1; f: Value to Exhibit 5 at 2a	
4									
5	Projects Removed from Intangible Plant								
6	Project 2073 - Integrate MPS into BHE Oracle system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Company Records	
7	Project 2208 - Integrate MPS into BHE Capital Planning and Maintenance Planning System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Company Records	
8	Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	a: Value to Exhibit 4 at Line 5; f: Value to Exhibit 5 at 4a	
9	Projects Removed from General Plant								
10	Project 2226 - Integrate MPS into the BHE Voice Communication System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Company Records, a: Value to Exhibit 4 at Line 3; f: Value to Exhibit 5 at 3	
11									
12									
	13 Month Plant Balances								
13	Dec-21	\$ 23,567	\$ -	\$ -	\$ (27,642)			a: 3b, b: 8b + 10b, c: 3d + 8d + 10d	
14	Jan-22	\$ 23,860	\$ -	\$ -	\$ (27,652)			a - c: calculated from line 13 and line 25 values	
15	Feb-22	\$ 24,153	\$ -	\$ -	\$ (27,662)			a - c: calculated from line 13 and line 25 values	
16	Mar-22	\$ 24,445	\$ -	\$ -	\$ (27,672)			a - c: calculated from line 13 and line 25 values	
17	Apr-22	\$ 24,738	\$ -	\$ -	\$ (27,682)			a - c: calculated from line 13 and line 25 values	
18	May-22	\$ 25,031	\$ -	\$ -	\$ (27,693)			a - c: calculated from line 13 and line 25 values	
19	Jun-22	\$ 25,324	\$ -	\$ -	\$ (27,703)			a - c: calculated from line 13 and line 25 values	
20	Jul-22	\$ 25,616	\$ -	\$ -	\$ (27,713)			a - c: calculated from line 13 and line 25 values	
21	Aug-22	\$ 25,909	\$ -	\$ -	\$ (27,723)			a - c: calculated from line 13 and line 25 values	
22	Sep-22	\$ 26,202	\$ -	\$ -	\$ (27,733)			a - c: calculated from line 13 and line 25 values	
23	Oct-22	\$ 26,495	\$ -	\$ -	\$ (27,744)			a - c: calculated from line 13 and line 25 values	
24	Nov-22	\$ 26,788	\$ -	\$ -	\$ (27,754)			a - c: calculated from line 13 and line 25 values	
25	Dec-22	\$ 27,080	\$ -	\$ -	\$ (27,764)			a: 3c, b: 8c + 10c, c: 3e + 8e + 10e Line 12-24 values carry to Exhibit 4 at Lines 13 & 14, WP ADIT at Line 52	

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Adjustments in respect of settled amount recorded to Line 6901

Filed Gross Plant	\$ 8,639,859
Settled Gross Plant	\$ 6,228,782
Difference	\$ (2,411,077)

Exh. 4, Line 1 \$ (2,411,077) Removed from from Transmission Rate Base for Dec 2019 - April 2020
Exh. 4, Line 13 Adjust Accumulated Depreciation as follows

	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022
	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628	\$ 159,628

Exh. 5:2a \$ - Adjustment to Depreciation Expense
Exh. 4:19r \$ 504,627 Adjustment to BOY/EOY Average ADIT