

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES

ATTACHMENT J
EXHIBIT 1a

RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 VALUES

Summary of Charges for Wholesale Customers		a	b	c	d	e	f	
				= b / 12	= b / 52	= d / 5	= e / 16	
			Yearly	Monthly	Weekly	Daily	Hourly	
			\$/kW/Yr	\$/kW/Mo	\$/kW/Wk	\$/kW/Day	\$/kW/Hr	
Line	Description	Value	(Note 3)	(Note 3)	(Note 3)	(Note 4)	(Note 5)	Reference(s)
1	Schedule 1 - Scheduling, System Control and Dispatch Service							
2	Annual Cost	\$ 230,586						Exhibit 10 at 10a
3	Applicable 12-CP Demand kW Value	88,000						Exhibit 8 at 14a * 1000
4	Rate		\$ 2.62	\$ 0.22	\$ 0.05	\$ 0.010	\$ 0.0006	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	88,000						Exhibit 8 at 14a * 1000
9	Rate		\$ 1.02	\$ 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	\$ 12,255,726						Exhibit 2 at 39a
13	Applicable 12-CP Demand kW Value	88,000						Exhibit 8 at 14a * 1000
14	Rate		\$ 139.27	\$ 11.61	\$ 2.68	\$ 0.536	\$ 0.0335	14b = 12a / 13a
15								
16	Schedule 7 - Long Term or Short Term Firm Point to Point (PTP)							
17	Annual Transmission Revenue Requirement	\$ 12,255,726						Exhibit 2 at 39a
18	Applicable 12-CP Demand kW Value	88,000						Exhibit 8 at 14a * 1000
19	Rate		\$ 139.27	\$ 11.61	\$ 2.68	\$ 0.536	\$ 0.0335	19b = 17a / 18a
20								
21	Schedule 8 - Non-Firm Point to Point (PTP)							
22	Annual Transmission Revenue Requirement	\$ 12,255,726						Exhibit 2 at 39a
23	Applicable 12-CP Demand kW Value	88,000						Exhibit 8 at 14a * 1000
24	Rate		\$ 139.27	\$ 11.61	\$ 2.68	\$ 0.536	\$ 0.0335	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

Line	Description	a	Value	Reference(s)
1	TRANSMISSION INVESTMENT BASE			
2	<u>Plant</u>			
3	Transmission Plant	\$	85,188,561	Exhibit 4 at 1r
4	General Plant	\$	5,258,568	Exhibit 4 at 3r
5	Intangible Plant	\$	574,443	Exhibit 4 at 5r
6	Plant Held for Future Use	\$	-	Exhibit 4 at 10r
7	<u>Total Plant</u>	\$	91,021,572	Sum [3a:6a]
8				
9	<u>Accumulated Plant Depreciation and Amortization</u>			
10	Transmission Plant	\$	(17,097,389)	Exhibit 4 at 13r
11	General Plant	\$	(1,558,516)	Exhibit 4 at 14r
12	Other Plant	\$	(109,032)	Exhibit 4 at 15r
13	<u>Total Depreciaton and Amortization</u>	\$	(18,764,937)	Sum [10a:12a]
14				
15	Accumulated Deferred Taxes	\$	(7,065,024)	Exhibit 4 at 21r
16	Deferred Director Fees	\$	-	Exhibit 4 at 7r
17	Other Assets/Liabilities	\$	(3,301,432)	Exhibit 4 at 27r
18	Cash Working Capital	\$	232,903	Exhibit 4 at 39r
19	Materials and Supplies	\$	437,308	Exhibit 4 at 34r
20	Prepayments	\$	105,158	Exhibit 4 at 29r
21	<u>Total Investment Base</u>	\$	62,665,547	7a + Sum [13a:20a]
22	Cost of Capital Rate (rounded to 2 decimal places)		8.71%	Exhibit 3 at 4d
23				
24	Investment Return and Associated Income Taxes	\$	5,458,169	21a * 22a
25	Depreciation and Amortization Expense	\$	2,017,243	Exhibit 5 at 5e
26.1	Amortization of Excess Federal Deferred Income Tax Liability	\$	(234,315)	Exhibit 5 at 6.5e
26.2	Amortization of Related Investment Tax Credits	\$	-	Exhibit 5 at 7e
27	Property Tax Expense	\$	1,056,050	Exhibit 5 at 9e
28	Payroll Tax Expense	\$	127,781	Exhibit 5 at 11e
29	Operation and Maintenance Expense	\$	1,219,688	Exhibit 5 at 16e
30	Administrative and General Expense	\$	643,532	Exhibit 5 at 29e
31	Transmission Related Revenues (neg.)	\$	(387,291)	Exhibit 7 at 21a
32	Adjustments	\$	759,856	WP Wholesale Adjustments [11d + 11e]
33	<u>ESTIMATED WHOLESALE TRANSMISSION REVENUE REQUIREMENT</u>	\$	10,660,713	Sum [24a:32a]
34				
35	Prior Year Estimated Wholesale Transmission Revenue Requirement	\$	9,232,234	Prior Year Estimated, Exh. 2 at 33a
36	Prior Year Actual Wholesale Transmission Revenue Requirement	\$	10,775,810	Prior Year Actual, Exh. 2 at 33a
37	Prior Year True-Up (Down)	\$	1,543,576	36a - 35a
38	Interest on True-Up (Down)	\$	51,437	WP Interest on Wholesale True-Up at 13d
39	<u>WHOLESALE TRANSMISSION REVENUE REQUIREMENT TO BE USED FOR CHARGES</u>	\$	12,255,726	Sum [33a, 37a, 38a]

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EXHIBIT 3

Determination of Cost of Capital Rate					
Line Description	a	b	c	d	Reference(s)
	Beginning of Year	End of/ Full Year	Average		
1 Weighted Cost of Capital				6.8534%	Sum [21d, 29d, 42d]
2 Federal Income Tax				1.2660%	52d
3 State Income Tax				0.5911%	63d
4 COST OF CAPITAL RATE				8.7105%	Sum [1d:3d]
Long-Term Debt Component					
7 Long-Term Debt	\$ 442,000,000	\$ 442,000,000	\$ 442,000,000		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.)	\$ (3,465)	\$ -			FF1 at 111:81d; FF1 at 111:81c
10 Unamortized Debt Expenses (neg.)	\$ (1,711,070)	\$ (1,755,421)			FF1 at 111:69d; FF1 at 111:69c
11 Long-Term Debt Net Proceeds	\$ 440,285,465	\$ 440,244,579	\$ 440,265,022		Sum [7a:10a]; Sum [7b:10b]; Avg [11a:11b]
12					
13 Net Interest Charges		\$ 17,432,356			FF1 at 117:70c
14 AFUDC on Borrowed Funds		\$ 1,455,608			FF1 at 117:69c
15 Other Interest (neg.)		\$ (524,981)			FF1 at 117:68c
16 Annual Debt Cost		\$ 18,362,983			Sum [13b:15b]
17					
18 Versant Power Total Capital			\$ 874,045,989		Sum [7c, 24c, 37c]
19 Long-Term Debt Capitalization Ratio				50.5694%	7c / 18c
20 Long-Term Debt Cost Rate				4.1709%	16b / 11c
21 Long-Term Debt Component				2.1092%	19d * 20d
Preferred Stock Component					
24 Preferred Stock	\$ 365,400	\$ 363,065	\$ 364,233		FF1 at 112:3d; FF1 at 112:3c; Avg [24a:24b]
25 Preferred Dividends (neg.) (Note 3)		\$ 25,478			FF1 at 118:29c
26 Versant Power Total Capital			\$ 874,045,989		Sum [7c, 24c, 37c]
27 Preferred Stock Capitalization Ratio				0.0417%	24c / 26c
28 Preferred Stock Cost Rate				6.9951%	25b / 24c
29 Preferred Stock Component				0.0029%	27d * 28d
Return on Equity Component					
32 Total Proprietary Capital	\$ 536,182,146	\$ 578,216,683			FF1 at 112:16d; FF1 at 112:16c
33 Goodwill Docket Nos. EC01-13, EC10-67 (neg.)	\$ (113,805,224)	\$ (113,805,224)			Company Records, Note 2
34 Account No. 216.1 (neg.)	\$ (9,840,696)	\$ (12,855,707)			FF1 at 112:12d; FF1 at 112:12c
35 Account No. 204 (neg.)	\$ (365,400)	\$ (363,065)			FF1 at 112:3d; FF1 at 112:3c
36 Account No. 219 (neg.)	\$ -	\$ -			FF1 at 112:15d; FF1 at 112:15c
37 Versant Power Common Equity Adjusted	\$ 412,170,826	\$ 451,192,687	\$ 431,681,756		Sum [32a:36a]; Sum [32b:36b]; Avg [37a:37b]
38					
39 Versant Power Total Capital			\$ 874,045,989		Sum [7c, 24c, 37c]
40 Common Equity Capitalization Ratio				49.3889%	37c / 39c
41 Return on Equity Rate				9.6000%	Note 1
42 Return on Equity Component				4.7413%	40d * 41d
Federal Income Tax					
44	$(A+[(B+C)/D]) \times FT$				
45	where: 1-FT				
46	FT = Versant Power federal income tax rate				21.0000%
47	A = Equity portion of weighted cost of capital				4.7443%
48	B = MPD Transmission-Related Amortization of Investment Tax Credits				\$ -
49	C = MPD Equity AFUDC component of transmission depreciation expense				\$ 11,396
50	D = MPD Transmission Investment Base				\$ 62,665,547
51					
52 Federal Income Tax					1.2660%
53					Per Formula at 45-46
State Income Tax					
54	$((A+[(B+C)/D])+E) \times ST$				
55	where: 1-ST				
56	ST = Versant Power state income tax rate				8.9300%
57	A = Equity portion of weighted cost of capital				4.7443%
58	B = MPD Transmission-Related Amortization of Investment Tax Credits				\$ -
59	C = MPD Equity AFUDC component of transmission depreciation expense				\$ 11,396
60	D = MPD Transmission Investment Base				\$ 62,665,547
61	E = Federal Income Tax				1.2660%
62 State Income Tax					0.5911%
63					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 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021			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%	\$ 85,188,561	All Trans.	100.00%	\$ 85,188,561	FF1 at 206:58b, 207:58g, Company Records				
2																									
3	Transmission Related General Plant														MPD	100.00%	\$ 31,587,739	Salaries & Wages	16.65%	\$ 5,258,568	FF1 at 206:99b, 207:99g, Company Records				
4																									
5	Transmission Related Intangible Plant														MPD	100.00%	\$ 3,450,628	Salaries & Wages	16.65%	\$ 574,443	FF1 at 204:5b, 205:5g, Company Records				
6																									
7	Deferred Director Fees														MPD	100.00%	\$ -	Salaries & Wages	16.65%	\$ -	FF1 at 269:f, Company Records				
8	TOTAL																				\$ 91,021,572	Sum [1r:7r]			
9																									
10	Transmission Plant Held for Future Use														MPD	100.00%	\$ -	All Trans.	100.00%	\$ -	FF1 at 214, Company Records				
11																									
12	Transmission Accumulated Depreciation and Amortization																								
13	Transmission Plant Accumulated Depreciation (neg.)														MPD	100.00%	\$ (17,097,389)	All Trans.	100.00%	\$ (17,097,389)	FF1 at 219:25b, Company Records				
14	General Plant Accumulated Depreciation (neg.)														MPD	100.00%	\$ (9,361,861)	Salaries & Wages	16.65%	\$ (1,558,516)	FF1 at 219:28b, Company Records				
15	Accum. Provision for Amortization of Other Utility Plant (neg.)														MPD	100.00%	\$ (654,944)	Salaries & Wages	16.65%	\$ (109,032)	FF1 at 200:21b, Company Records				
16	TOTAL																				\$ (18,764,937)	Sum [13r:15r]			
17																									
18	Transmission Accumulated Deferred Taxes																								
19	Accumulated Deferred Taxes (neg.) Acct. Nos. 282 and 283																				\$ (7,587,504)	WP ADIT at 75p + WP ADIT at 113p			
20	Accumulated Deferred Taxes (pos.) Acct. No. 190																				\$ 522,480	WP ADIT at 37p			
21	TOTAL																				\$ (7,065,024)	19r + 20r			
22																									
23	Other Transmission-Related Assets/Liabilities																								
24	Other Regulatory Assets														MPD	100.00%	\$ 2,002,649	Salaries & Wages	16.65%	\$ 333,391	FF1 at 232:f (FF1 at 232.1-f), Company Records				
25	Accumulated Provision for Pensions and Benefits (neg.)														MPD	100.00%	\$ (1,227,336)	Salaries & Wages	16.65%	\$ (204,321)	FF1 at 112:29, Company Records				
26.1	Excess Federal Deferred Income Tax Liability (neg.)														MPD	100.00%	\$ (2,881,794)	All Trans.	100.00%	\$ (2,881,794)	WP DTA(L) Amortization Expense and Balance, 13b:25b				
26.2	Other Regulatory Liabilities (neg.)														MPD	100.00%	\$ (3,296,042)	Salaries & Wages	16.65%	\$ (548,709)	FF1 at 278:f, Company Records				
27	TOTAL																				\$ (3,301,432)	Sum [24r:26.2r]			
28																									
29	Transmission Prepayments (Acct. No. 165)														Total Plant	17.15%	\$ 631,677	Salaries & Wages	16.65%	\$ 105,158	FF1 at 111:57c				
30																									
31	Transmission Materials and Supplies																								
32	Transmission Plant														Total Plant	17.15%	\$ 420,754	All Trans.	100.00%	\$ 420,754	FF1 at 227:8b; FF1 at 227:8c				
33	Stores Expense Undistributed														Total Plant	17.15%	\$ 44,630	Plant	37.09%	\$ 16,554	FF1 at 227:16b; FF1 at 227:16c				
34	TOTAL																				\$ 437,308	32r + 33r			
35																									
36	Cash Working Capital																								
37	Operation and Maintenance Expense																				\$ 1,219,688	Exhibit 5 at 16e			
38	Administrative and General Expense																				\$ 80,441	Exhibit 5 at 29e			
39	TOTAL																				\$ 232,903	37r + 38r			
40																									
41	TOTAL TRANSMISSION INVESTMENT BASE (MPD)																					\$ 62,665,547	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		a	b	c = a * b	d	e = c * d			
Line	Input Value (Note 1)	Company Allocator (Exhibit 6)	MPD	MPD Allocator/Adj. Factor (Exhibit 6)	MPD Transmission	Reference(s)			
1	<u>Transmission-Related Depreciation and Amortization Expense</u>								
2	Transmission Plant Depreciation	\$ 1,807,444	MPD	100.00%	\$ 1,807,444	All Trans.	100.00%	\$ 1,807,444	FF1 at 336:7f, Company Records
3	General Plant Depreciation and Amortization	\$ 738,451	MPD	100.00%	\$ 738,451	Salaries & Wages	16.65%	\$ 122,934	FF1 at 336:10f, Company Records
4	Intangible Plant Amortization	\$ 521,796	MPD	100.00%	\$ 521,796	Salaries & Wages	16.65%	\$ 86,866	FF1 at 336:1f, Company Records
5	TOTAL							\$ 2,017,243	Sum [2e:4e]
6.1									
6.2	<u>Amortization of Excess Federal Deferred Income Tax Liability</u>								
6.3	Amortized Amount	\$ (168,579)	MPD	100.00%	\$ (168,579)	All Trans.	100.00%	\$ (168,579)	WP DTA/(L) Amortization Expense and Balance, 8b
6.4	Blended Federal & State Statutory Tax Rate							28.05%	1 - [(1 - Exhibit 3 at 47d) * (1 - Exhibit 3 at 57d)]
6.5	Grossed Up Amortized Amount							\$ (234,315)	6.3e / (1 - 6.4e)
6.6									
7	<u>Transmission-Related Amortization of Investment Tax Credits</u>	\$ -	MPD	100.00%	\$ -	Plant	37.09%	\$ -	FF1 at 266:8f, Company Records
8									
9	<u>Transmission-Related Property Tax Expense</u>	\$ 16,598,669	Total Plant	17.15%	\$ 2,847,095	Plant	37.09%	\$ 1,056,050	FF1 at 263:i (FF1 at 263i), Company Records
10									
11	<u>Transmission-Related Payroll Tax Expense</u>	\$ 3,099,396	Cust./Load/Sales	24.77%	\$ 767,567	Salaries & Wages	16.65%	\$ 127,781	FF1 at 263:l (FF1 at 263l), Company Records
12									
13	<u>Transmission Operation and Maintenance</u>								
14	Account Nos. 560-564, 566-573	\$ 1,917,312	MPD	100.00%	\$ 1,917,312	All Trans.	100.00%	\$ 1,917,312	FF1 at 321:83b-95b, 321:97b-98b, 321:111b, Company Records
15	Account No. 561 (neg.)	\$ (697,624)	MPD	100.00%	\$ (697,624)	All Trans.	100.00%	\$ (697,624)	Exhibit 10 at 1a
16	TOTAL							\$ 1,219,688	14e + 15e
17									
18	<u>Transmission-Related Administrative and General Expense</u>								
19	Account Nos. 920-935	\$ 17,869,793	Cust./Sales	23.84%	\$ 4,260,961	Salaries & Wages	16.65%	\$ 709,343	FF1 at 323:197b
20	Account Nos. 924, 928, 930.1 (all neg.)	\$ (6,438,932)	Cust./Sales	23.84%	\$ (1,535,330)	Salaries & Wages	16.65%	\$ (255,594)	FF1 at 323:185b, 323:189b, 323:191b
21	Account No. 923 Regulatory Proceedings (neg.)	\$ -	Cust./Sales	23.84%	\$ -	Salaries & Wages	16.65%	\$ -	FF1 at 323:184b, Company Records
22	Account No. 926 MPD PBOP (neg.)	\$ (420,000)	MPD	100.00%	\$ (420,000)	Salaries & Wages	16.65%	\$ (69,919)	FF1 at 323:187b, Company Records
23	Account No. 924 Property Insurance	\$ 878,021	Total Plant	17.15%	\$ 150,603	Plant	37.09%	\$ 55,862	FF1 at 323:185b
24	Account No. 928 Commission Annual Charges	\$ 19,680	MPD	100.00%	\$ 19,680	All Trans.	100.00%	\$ 19,680	FF1 at 323:189b, Company Records
25	Account No. 928 Transmission-Related (other than Annual Charges)	\$ 187,601	MPD	100.00%	\$ 187,601	All Trans.	100.00%	\$ 187,601	FF1 at 323:189b, Company Records
26	Account No. 923 MPD Regulatory Proceedings	\$ -	MPD	100.00%	\$ -	All Trans.	100.00%	\$ -	FF1 at 323:184b, Company Records
27	Account No. 926 MPD PBOP Fixed Amount	\$ (20,669)	MPD	100.00%	\$ (20,669)	Salaries & Wages	16.65%	\$ (3,441)	Note 2
28	Account No. 407.3 Amortization of Pension and PBOP Regulatory Asset	\$ -	MPD	100.00%	\$ -	Salaries & Wages	16.65%	\$ -	FF1 at 114:12c, Company Records
29	TOTAL							\$ 643,532	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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EXHIBIT 6

Allocation Factors		a	
Line	Description	Value	Reference(s)
Company Allocators			
1	Bangor Hydro District Customer Count	131,205	FF1 at 304:d
2	Maine Public District Customer Count	36,452	FF1 at 304:d
3	Company Customer Count (subtotal)	167,657	1a + 2a
4	Company Customer Count Allocator (BHD)	78.26%	1a / 3a
5	Company Customer Count Allocator (MPD)	21.74%	2a / 3a
6			
7	Company Customer/Load/Sales Allocator (BHD)	75.23%	4a / 3 + 16a / 3 + 22a / 3
8	Company Customer/Load/Sales Allocator (MPD)	24.77%	5a / 3 + 17a / 3 + 23a / 3
9			
10	Company Customer/Sales Allocator (BHD)	76.16%	4a / 2 + 16a / 2
11	Company Customer/Sales Allocator (MPD)	23.84%	5a / 2 + 17a / 2
12			
13	Bangor Hydro District Energy Sales (MWh)	1,536,878	FF1 at 304:b
14	Maine Public District Energy Sales (MWh)	538,497	FF1 at 304:b
15	Company Energy Sales (subtotal)	2,075,374	13a + 14a
16	Company Energy Sales Allocator (BHD)	74.05%	13a / 15a
17	Company Energy Sales Allocator (MPD)	25.95%	14a / 15a
18			
19	Bangor Hydro District Monthly Peak Loads (MW)	2,913	FF1 at 400 Sum [1b:16b]
20	Maine Public District Monthly Peak Loads (MW)	1,056	FF1 at 400 Sum [1b:16b]
21	Company Monthly Peak Loads (Subtotal)	3,969	19a + 20a
22	Company Monthly Peak Loads Allocator (BHD)	73.39%	19a / 21a
23	Company Monthly Peak Loads Allocator (MPD)	26.61%	20a / 21a
24			
25	Bangor Hydro District Revenue	\$ 140,702,367	FF1 at 304:c
26	Maine Public District Revenue	\$ 36,881,969	FF1 at 304:c
27	Company Revenues (Subtotal)	\$ 177,584,336	25a + 26a
28	Company Revenue Allocator (BHD)	79.23%	25a / 27a
29	Company Revenue Allocator (MPD)	20.77%	26a / 27a
30			
31	Bangor Hydro District Total Electric Plant In Service (13-mo. avg.)	\$ 1,185,256,368	Company Records
32	Maine Public District Total Electric Plant In Service (13-mo. avg.)	\$ 245,392,779	Company Records
33	Company Total Electric Plant In Service (subtotal)	\$ 1,430,649,147	31a + 32a
34	Company Total Plant Allocator (BHD)	82.85%	31a / 33a
35	Company Total Plant Allocator (MPD)	17.15%	32a / 33a
MPD Allocators			
36	MPD Average Total Transmission Plant (13-mo. avg.)	\$ 85,188,561	Exhibit 4 at 1r
37	MPD Transmission-Related General and Intangible Plant (13-mo. avg.)	\$ 5,833,011	Exhibit 4 [3r + 5r]
38	MPD Electric Plant in Service (13-mo. avg.)	\$ 245,392,779	32a
39	MPD Plant Allocator (Transmission)	37.09%	(36a + 37a) / 38a
40			
41	Maine Public District Transmission Revenue	\$ 11,373,518	Company Records
42	Maine Public District Total Revenue	\$ 36,881,969	26a
43	MPD Revenue Allocator (Transmission)	30.84%	41a / 42a
Salaries and Wages Allocator			
44	Transmission Salaries and Wages	\$ 3,435,661	FF1 at 354:21b
45	Total Operations and Maintenance Salaries and Wages	\$ 27,039,095	FF1 at 354:28b
46	Administrative and General Salaries and Wages	\$ 6,401,391	FF1 at 354:27b
47	Company Salaries and Wages Allocator (Transmission)	16.65%	44a / (45a - 46a)

Notes

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

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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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)	\$ 380,640	FF1 at 330:n
3	Houlton Water Company	\$ 6,651	FF1 at 330:n
4			
5			
6			
7			
8			
9	<u>TOTAL</u>	<u>\$ 387,291</u>	Sum [2a:8a]
10			
11	<u>Transmission Plant-Related Rents and General Plant-Related Rents</u>		Note 3
12			
13			
14	<u>TOTAL</u>	<u>\$ -</u>	12a + 13a
15			
16	<u>Other Transmission-Related Revenues</u>		
17			
18			
19	<u>TOTAL</u>	<u>\$ -</u>	17a + 18a
20			
21	<u>TOTAL TRANSMISSION-RELATED REVENUES</u>	<u>\$ 387,291</u>	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
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Monthly Peak Loads - MW		a	b	c	d	e	f	
		MPD NITS Customers					= a - sum [b:e]	
Line	Description	Total	EMEC (All)	HWC	VBL&P	[Reserved]	MPD Retail	Reference(s)
1	January	109.000	3.243	0.000	2.423	0	103.334	FF1 at 401b:29d, Company Records
2	February	94.000	3.662	0.000	2.530	0	87.808	FF1 at 401b:30d, Company Records
3	March	91.000	3.207	0.000	2.456	0	85.337	FF1 at 401b:31d, Company Records
4	April	81.000	2.679	0.000	1.980	0	76.341	FF1 at 401b:32d, Company Records
5	May	75.000	2.386	0.000	1.820	0	70.794	FF1 at 401b:33d, Company Records
6	June	90.000	3.161	0.000	2.039	0	84.800	FF1 at 401b:34d, Company Records
7	July	87.000	2.630	0.000	1.936	0	82.434	FF1 at 401b:35d, Company Records
8	August	93.000	3.294	0.000	2.145	0	87.561	FF1 at 401b:36d, Company Records
9	September	77.000	2.188	0.000	1.687	0	73.125	FF1 at 401b:37d, Company Records
10	October	72.000	2.267	0.000	1.624	0	68.109	FF1 at 401b:38d, Company Records
11	November	96.000	3.364	0.000	2.654	0	89.982	FF1 at 401b:39d, Company Records
12	December	91.000	3.306	0.000	2.228	0	85.466	FF1 at 401b:40d, Company Records
13								
14	12-CP	88.000	2.949	0.000	2.127	0	82.924	Average [1:12]
15								
16	Load Ratio Share		3.35%	0.00%	2.42%	0.00%	94.23%	14[b, c, d, e, or f] / 14a

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
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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
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Scheduling, System Control and Dispatch Service

a

Line Description	Total	Reference(s)
1 Account No. 561	\$ 697,624	FF1 at 321:85b to 92b, Company Records
2 NMISA Expenses (neg.)	\$ (246,218)	Company Records, Note 1
3 VAR Charges (neg.)	\$ (90,000)	Exhibit 1a at 7a
4 ESTIMATED SCHEDULING, SYSTEM CONTROL & DISPATCHING SERVICE COSTS	\$ 361,406	Sum [1a:3a]
5		
6 Prior Year Estimated Wholesale Transmission Revenue Requirement	\$ 488,007	Prior Year Estimated, Exhibit 10 at 4a
7 Prior Year Actual Wholesale Transmission Revenue Requirement	\$ 361,406	Prior Year Actual Exhibit 10 at 4a
8 Prior Year True-Up (Down)	\$ (126,601)	7a - 6a
9 Interest on True-Up (Down)	\$ (4,219)	WP Interest on Wholesale True-Up at 26d
10 SCHEDULING, SYSTEM CONTROL & DISPATCHING SERVICE COSTS TO BE USED FOR CHARGES	\$ 230,586	Sum [4a, 8a, 9a]

Notes

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

**VERSANT POWER – MAINE PUBLIC DISTRICT OATT
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**ATTACHMENT J
WP FF1 RECONCILLIATION**

Workpaper - FERC Form 1 Reconciliation

Line Description	a	b	c = a + b	Used In	d	FF1 Value Reference(s)
	BHD Value	MPD Value	Total		FF1 Value	
1 <u>Plant in Service (EOY)</u>						
2 Total Electric Plant in Service	\$ 1,224,282,863	\$ 270,623,823	\$ 1,494,906,686	[n/a]	\$ 1,494,906,686	FF1 at 207:104g
3 Total Transmission Plant	\$ 581,675,480	\$ 98,422,090	\$ 680,097,570	Exhibit 4	\$ 680,097,570	FF1 at 207:58g
4 Transmission Plant Held for other Use	\$ -	\$ -	\$ -	Exhibit 4	\$ -	FF1 at 214
5 General Plant	\$ 110,683,813	\$ 32,372,720	\$ 143,056,533	Exhibit 4	\$ 143,056,533	FF1 at 207:99g
6 Intangible Plant	\$ 47,089,150	\$ 11,038,475	\$ 58,127,625	Exhibit 4	\$ 58,127,625	FF1 at 205:5g
7 Transmission Plant Accumulated Depreciation (neg.)	\$ (140,000,597)	\$ (13,118,319)	\$ (153,118,917)	Exhibit 4	\$ 153,118,917	FF1 at 219:25c
8 General Plant Accumulated Depreciation (neg.)	\$ (37,114,050)	\$ (9,428,699)	\$ (46,542,749)	Exhibit 4	\$ 46,554,709	FF1 at 219:28c
9 Accum. Provision for Amortization of Other Utility Plant (neg.)	\$ (19,948,640)	\$ (858,307)	\$ (20,806,947)	Exhibit 4	\$ 20,806,947	FF1 at 200:21b
10						
11 <u>Revenues</u>						
12 Transmission Revenue	\$ 60,957,513	\$ 11,373,518	\$ 72,331,031	Exhibit 6	[n/a]	
13						
14 <u>Depreciation Expense and Amortization</u>						
15 Transmission Plant Depreciation	\$ 14,058,824	\$ 1,810,957	\$ 15,869,781	Exhibit 5	\$ 15,869,781	FF1 at 336:7f
16 General Plant Depreciation and Amortization	\$ 6,018,304	\$ 757,982	\$ 6,776,286	Exhibit 5	\$ 6,776,286	FF1 at 336:10f
17 Intangible Plant Amortization	\$ 4,467,169	\$ 521,796	\$ 4,988,966	Exhibit 5	\$ 4,988,966	FF1 at 336:1f
18						
19 <u>Transmission Operation and Maintenance Expense</u>						
20 Account No. 560 (Operation Supervision and Engineering)	\$ 35,747	\$ 10,110	\$ 45,857		\$ 45,857	FF1 at 321:83b
21 Account No. 561.1 (Load Dispatch-Reliability)	\$ 1,282,503	\$ 678,124	\$ 1,960,627		\$ 1,960,627	FF1 at 321:85b
22 Account No. 561.2 (Load Dispatch-Monitor and Operate Transmission System)	\$ -	\$ 19,500	\$ 19,500		\$ 19,500	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)	\$ -	\$ 246,218	\$ 246,218	Exhibit 10	\$ 246,218	FF1 at 321:88b
25 Account No. 561.5 (Reliability, Planning and Standards Development)	\$ -	\$ -	\$ -		\$ -	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)	\$ 43,059	\$ 12,178	\$ 55,237		\$ 55,237	FF1 at 321:93b
30 Account No. 563 (Overhead Lines Expenses)	\$ 378,794	\$ 107,133	\$ 485,927		\$ 485,927	FF1 at 321:94b
31 Account No. 564 (Underground Lines Expenses)	\$ 2,031	\$ 574	\$ 2,606		\$ 2,606	FF1 at 321:95b
32 Account No. 566 (Miscellaneous Transmission Expenses)	\$ 65,197	\$ 18,439	\$ 83,637		\$ 83,637	FF1 at 321:97b
33 Account No. 567 (Rents)	\$ -	\$ -	\$ -		\$ -	FF1 at 321:98b
34 Account No. 568 (Maintenance Supervision and Engineering)	\$ 97,085	\$ 27,458	\$ 124,543		\$ 124,543	FF1 at 321:101b
35 Account No. 569 (Maintenance of Structures)	\$ 13,608	\$ 3,849	\$ 17,457		\$ 17,457	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

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**ATTACHMENT J
WP FF1 RECONCILIATION**

Workpaper - FERC Form 1 Reconciliation

Line Description	a	b	c = a + b	Used In	d	FF1 Value Reference(s)
	BHD Value	MPD Value	Total		FF1 Value	
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)	\$ 694,626	\$ 196,458	\$ 891,084		\$ 891,084	FF1 at 321:107b
41 Account No. 571 (Maintenance of Overhead Lines)	\$ 1,953,816	\$ 789,836	\$ 2,743,651		\$ 2,743,651	FF1 at 321:108b
42 Account No. 572 (Maintenance of Underground Lines)	\$ 37,778	\$ 10,685	\$ 48,462		\$ 48,462	FF1 at 321:109b
43 Account No. 573 (Maintenance of Miscellaneous Transmission Plant)	\$ 151,924	\$ 42,968	\$ 194,892		\$ 194,892	FF1 at 321:110b
44 Total	\$ 4,756,168	\$ 2,163,530	\$ 6,919,698	Exhibit 5	\$ 6,919,698	
45						
46 <u>Other Pension and Benefit Liabilities (EOY)</u>						
47 Accumulated Provision for Pensions and Benefits - Liability	\$ (37,562,001)	\$ (3,102,370)	\$ (40,664,371)	Exhibit 4	\$ 40,664,371	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	\$ 102,515,034	\$ -	\$ 102,515,034			
52 Total	\$ 102,515,034	\$ -	\$ 102,515,034	Exhibit 4	\$ 102,515,034	FF1 at 278:f
53						
54 <u>Other Regulatory Assets (EOY)</u>						
55 Accumulated Provision for Pensions and Benefits - Regulatory Assets	\$ 19,262,751	\$ 682,521	\$ 19,945,272			
56 Items not included in Transmission Investment Base - Regulatory Assets	\$ 64,584,712	\$ -	\$ 64,584,712			
57 Total	\$ 83,847,463	\$ 682,521	\$ 84,529,984	Exhibit 4	\$ 84,529,984	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)	\$ 2,900,000	\$ 420,000	\$ 3,320,000	Exhibit 5		
63 Other Amounts Recorded to Account No. 926			\$ 3,848,020			
64			\$ 7,168,020		\$ 7,168,020	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			\$ 15,511,373			
69 Total			\$ 15,511,373		\$ 15,511,373	FF1 at 114:12c
70						
71 <u>Account No. 923 Reconciliation</u>						
72 Regulatory Proceedings Expense			\$ -	Exhibit 5		
73 Other Outside Services Employed Expense			\$ 5,338,993	Exhibit 5		
74 Total			\$ 5,338,993		\$ 5,338,993	FF1 at 323:184b

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ATTACHMENT J
WP FF1 RECONCILLIATION

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)
75						
76 <u>Account No. 928 Reconciliation</u>						
77 Commission Annual Charges	\$ 230,526	\$ 19,680	\$ 250,206	Exhibit 5		
78 Other Transmission-Related Regulatory Commission Expenses	\$ 865,506	\$ 187,601	\$ 1,053,107	Exhibit 5		
79 Other Regulatory Commission Expenses (Distribution)	\$ 3,202,961	\$ 1,054,637	\$ 4,257,598	n/a		
80 Total			\$ 5,560,911		\$ 5,560,911	FF1 at 323:189b
81						
82 <u>General Taxes</u>						
83 2021			\$ 14,732,604		\$ 14,732,604	FF1 at 263i (FF1 at 263i)
84 2020			\$ 1,866,065		\$ 1,866,065	FF1 at 263i (FF1 at 263i)
85			\$ 16,598,669	Exhibit 5		
86 <u>Payroll Tax Expense</u>						
87 FICA			\$ 3,035,827		\$ 3,035,827	FF1 at 263i (FF1 at 263i)
88 Federal Unemployment			\$ 21,549		\$ 21,549	FF1 at 263i (FF1 at 263i)
89 State Unemployment			\$ 42,020		\$ 42,020	FF1 at 263i (FF1 at 263i)
90			\$ 3,099,396	Exhibit 5		
91						
92 <u>Taxes Other Than Income Taxes</u> (sum of Property Tax and Payroll Tax above)			\$ 19,698,065	n/a	\$ 19,698,065	FF1 at 114:14c
93						
94 <u>Customer MWh, Revenue and Count (Billed)</u>	(a) MWh	(b) Revenue	(c) Avg. Count		District	FF1 Value Reference(s)
95 01 Residential Service	550,147	\$ 60,475,761	92,513		BHD	a: FF1 at 304-304.1:Col. b
96 02 Residential Water Heat	846	\$ 92,438	217		BHD	b: FF1 at 304-304.1:Col. c
97 03 Residential Employee	-	\$ -	-		BHD	c: FF1 at 304-304.1:Col. d
98 04 General Service	151,674	\$ 16,500,709	16,776		BHD	
99 05 Temporary General Service	113	\$ 13,766	22		BHD	
100 07 Commercial Water Heating	21	\$ 1,839	5		BHD	
101 09 Medium Power Secondary M2	360,133	\$ 28,153,491	1,578		BHD	
102 11 Residential TOU	5,577	\$ 565,591	487		BHD	
103 12 Primary Power D4	116,696	\$ 6,126,396	24		BHD	
104 15 Medium Power Primary M1	44,145	\$ 3,010,247	102		BHD	
105 18 Street Lighting	5,127	\$ 1,577,574	4,809		BHD	
106 20 Street Light Energy	1,326	\$ 105,640	39		BHD	
107 34 Competitive D2	130	\$ 7,833	1		BHD	
108 36 Competitive D4	-	\$ -	-		BHD	
109 37 Competitive T1	-	\$ -	-		BHD	
110 45 Residential Thermal Storage	144	\$ 11,229	11		BHD	
111 47 Residential Heating	55,132	\$ 5,506,120	6,646		BHD	

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ATTACHMENT J
WP FF1 RECONCILLIATION

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)
112	48 Commerical Space Heating	12,748	\$ 1,218,474	760		BHD	
113	49 Commerical Space Heating New	216	\$ 16,731	19		BHD	
114	50 Residential Heating New	67,288	\$ 6,781,847	7,164		BHD	
115	SBL Standby Large Primary	-	\$ -	-		BHD	
116	T1 Transmission	116,709	\$ 4,514,488	32		BHD	
117	BHD Billed Total	1,488,172	\$ 134,680,174	131,205			
118							
119	A Residential Service	145,759	\$ 13,660,704	23,881		MPD	
120	A1 Seasonal Residential Service	-	\$ -	-		MPD	
121	AH Residential Space Heating Serv	13,780	\$ 851,558	1,304		MPD	
122	AHN Residential Space Heat Servic	35,430	\$ 2,918,689	3,652		MPD	
123	C General Service	84,062	\$ 7,694,312	6,974		MPD	
124	CF General Service-Christmas Ligh	1,278	\$ 4,330	7		MPD	
125	D2 Municipal Pumping Service	1,704	\$ 103,756	19		MPD	
126	EP Large Power Service-Primary	10,513	\$ 572,637	13		MPD	
127	EPT Large Power Service-Primary T	19,162	\$ 761,563	5		MPD	
128	ES Large Power Service-Secondary	62,562	\$ 3,743,541	187		MPD	
129	EST Large Power Service-Secondary	8,299	\$ 442,211	3		MPD	
130	F Agriculture Produce Storage Rat	1,614	\$ 128,029	21		MPD	
131	HT Transmission Power	13,296	\$ 400,936	2		MPD	
132	HTHUB Transmission Power	31,444	\$ 636,984	1		MPD	
133	MC-G General Service (Contract)	5	\$ 1,417	6		MPD	
134	SNO General Service (Contract)	191	\$ 40,007	3		MPD	
135	MC-L Transmission Power Service-T	51,210	\$ 1,037,627	1		MPD	
136	MC-M Large Power	1,329	\$ 52,595	1		MPD	
137	SL Street Lighting Service	566	\$ 246,123	45		MPD	
138	SL2 Street Lighting Service	270	\$ 19,212	3		MPD	
139	ST Subtransmission Power Service-	22,702	\$ 920,865	4		MPD	
140	T Outdoor Lighting Service	1,423	\$ 308,495	320		MPD	
141	MPD Billed Total	506,599	\$ 34,545,591	36,452			
142							
143							
144							
145							
146							
147							
148							

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
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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)
149						
150						
151						
152						
153						
154						
155						
156						
157						
158						
159						
160						
161						
162 <u>Unbilled Amounts</u>	(a) BHD Value	(b) MPD Value	(c) Total		FF1 Value	FF1 Value Reference(s)
163 MWh	48,706	31,898	80,603		80,603	FF1 at 304:42b (FF1 at 304:78b)
164 Revenue	\$ 6,022,193	\$ 2,336,378	\$ 8,358,571		\$ 8,358,571	FF1 at 304:42c (FF1 at 304:78c)
165						
166	(a) MWh	(b) Revenue	(c) Avg. Count			
167 BHD (excluding unbilled)	1,488,172	\$ 134,680,174	131,205	(c) Exhibit 6		Cols. a & b totals: FF1 at 304:43b & c
168 MPD (excluding unbilled)	506,599	\$ 34,545,591	36,452	(c) Exhibit 6		Col. c total: FF1 at 301:14f
169	1,994,771	\$ 169,225,765	167,657			
170						
171 BHD (including unbilled)	1,536,878	\$ 140,702,367		Exhibit 6		a: 161a + 165a, b: 162a + 165b
172 MPD (including unbilled)	538,497	\$ 36,881,969		Exhibit 6		a: 161b + 166a, b: 162b + 166b
173	2,075,374	\$ 177,584,336				FF1 at 304:43b & 43c
174						
175	Values may differ slightly from FERC Form 1 due to rounding.					

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
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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 2021	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)	\$ (3,590,508)			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	\$ (56,191)		\$ (56,191)	WP Prot DTA/(L) Amort by Year, Col. e (for Applicable Year)
7 Annual Amortization of MPD Transmission Deficient/(Excess) ADIT Assets/(Liabilities) - Unprotecte	\$ (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)	\$ (168,579)	\$ -	\$ (168,579)	6a + 7a
9				
10 Monthly Amortization	\$ (14,048)	\$ -	\$ (14,048)	Line 8 / 12
11				
12 Deferred Tax Assets/(Liabiities) as Allocated to MPD Transmission by Month			Values to Ex. 4 at 26.1	
13 December 2020	\$ (2,966,083)		\$ (2,966,083)	Prior Year, WP DTA/(L) Amortization, Line 25
14 January 2021	\$ (2,952,035)	\$ -	\$ (2,952,035)	Line 13 - Line 10
15 February 2021	\$ (2,937,987)	\$ -	\$ (2,937,987)	Line 14 - Line 10
16 March 2021	\$ (2,923,939)	\$ -	\$ (2,923,939)	Line 15 - Line 10
17 April 2021	\$ (2,909,890)	\$ -	\$ (2,909,890)	Line 16 - Line 10
18 May 2021	\$ (2,895,842)	\$ -	\$ (2,895,842)	Line 17 - Line 10
19 June 2021	\$ (2,881,794)	\$ -	\$ (2,881,794)	Line 18 - Line 10
20 July 2021	\$ (2,867,746)	\$ -	\$ (2,867,746)	Line 19 - Line 10
21 August 2021	\$ (2,853,697)	\$ -	\$ (2,853,697)	Line 20 - Line 10
22 September 2021	\$ (2,839,649)	\$ -	\$ (2,839,649)	Line 21 - Line 10
23 October 2021	\$ (2,825,601)	\$ -	\$ (2,825,601)	Line 22 - Line 10
24 November 2021	\$ (2,811,553)	\$ -	\$ (2,811,553)	Line 23 - Line 10
25 December 2021	\$ (2,797,504)	\$ -	\$ (2,797,504)	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, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 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 Protected Amortization (Note 1) of Deficient DIT Asset Acct 410.1	of Excess DIT Liability Acct 411.1	Net Protected Amortization	MPD Transmission Protected Allocator (Note 3)	MPD Transmission Net Protected Amortization
1	2018	\$ -	\$ (1,435,027)	\$ (1,435,027)	3.68%	\$ (52,831)
2	2019	\$ -	\$ (1,482,555)	\$ (1,482,555)	3.68%	\$ (54,581)
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, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 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) Acct 410.1	of Excess DIT Liability (Note 2) 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 unprotected)

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 unprotected)

3 WP Unprotected DTA(L) Allocators at 3a

☐ [Reserved]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 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.[]c Sum of Relevant Values in 1.001c:1.[]c Sum Lines 2.01:2.02
2.02	Versant Power Deferred Tax Liability (Account 254)	\$ (63,653,751)	\$ (20,642,261)	\$ (84,296,011)	
3	Versant Power Net Deferred Tax Asset/(Liability)	\$ (63,653,751)	\$ (17,208,613)	\$ (80,862,364)	
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

- 1 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.
2 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, 2022 TO MAY 31, 2023
 ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 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 * 9c
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 * 14b; 9c * 14b
16	Common (General)		14.18%	\$ (7,957,389)	14b - 15b; 9c * 15b
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 * 37c
27					
28	MPD Allocation Stage 1		Allocator	Alloc. Amount	
29	Transmission		30.57%	\$ (2,308,144)	WP NTV NBV Differences [4f / 5f]; 26f * 29b
30	Distribution		65.33%	\$ (4,932,640)	WP NTV NBV Differences [3f / 5f]; 26f * 30b
31	Common		4.10%	\$ (309,403)	WP NTV NBV Differences [3f / 5f]; 26f * 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]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
 RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
 ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 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 * 9c
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 * 14b; 9c * 14b
16	Common (General)		1.10%	\$ (603,987)	14b - 15b; 9c * 15b
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 * 37c
27					
28	MPD Allocation Stage 1		Allocator	Alloc. Amount	
29	Transmission		47.17%	\$ (4,104,915)	WP NTV NBV Differences [4f / 5f]; 26f * 29b
30	Distribution		47.57%	\$ (4,139,321)	WP NTV NBV Differences [3f / 5f]; 26f * 30b
31	Common		5.26%	\$ (458,014)	WP NTV NBV Differences [3f / 5f]; 26f * 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, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 VALUES

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
- [] [Reserved]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
ESTIMATED ATRR & CHARGES BASED ON ACTUAL CY 2021 VALUES

ATTACHMENT J
WP CUSTOMER COSTS

Workpaper - Customer Costs

a

Line Description	Value	Reference(s)
1 Account Nos. 901 to 905	\$ 11,768,892	FF1 at 322:164b
2 Account Nos. 907 to 910	\$ 74,747	FF1 at 323:171b
3 <u>Total</u>	<u>\$ 11,843,639</u>	1a + 2a
4 <u>Company Revenue Allocator (MPD)</u>	<u>20.77%</u>	Exhibit 6 at 29a
5 <u>MPD Allocation</u>	<u>\$ 2,459,771</u>	3a * 4a
6 <u>MPD Revenue Allocator (Transmission)</u>	<u>30.84%</u>	Exhibit 6 at 43a
7 <u>MPD Retail Transmission Allocation</u>	<u>\$ 758,534</u>	5a * 6a

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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		
			2020-2021	2021-2022	rate delta	Billing Data			
			\$/kWh or	\$/kWh or	\$/kWh or	kWh or kW	Credit (Refund)		
			\$/kW	\$/kW	\$/kW				
1	A/A1/AH/AHN	kWh	0.023534	0.018003	(0.005531)	13,287,804	\$ (73,499)	a & b: Exh. 1b from annual updates referenced in column headings	
2	C/SNO/F/D2	kWh	0.026892	0.022134	(0.004758)	6,601,790	\$ (31,411)		
3	ES	kW	9.66	7.21	(2.448557)	12,716	\$ (31,136)		
4	EP	kW	7.52	6.71	(0.815783)	3,189	\$ (2,602)		
5	ES-T	kW	11.87	7.95	(3.928039)	1,785	\$ (7,011)		
6	EP-T	kW	4.88	5.24	0.363454	4,283	\$ 1,556		
7	S-T	kW	8.06	7.16	(0.894575)	6,767	\$ (6,054)		
8	H-T	kW	10.93	8.49	(2.434480)	15,934	\$ (38,792)		
9	SL/T	kWh	0.020867	0.010345	(0.010522)	199,394	\$ (2,098)		
10	Total Retail Transmission Revenue Adjustment						\$	(191,045)	Sum [1e:9e]
11									
12			a	b	c	d	d = b * c		
13									
14									
15	Month	Year	Balance	Monthly Rate	Total	Col. (b) Reference			
				(Note 3)					
16	June	2021	\$ (191,045)	0.27%	\$ (516)	10e			
17	July	2021	\$ (191,561)	0.28%	\$ (536)	16b + 16d			
18	August	2021	\$ (191,561)	0.28%	\$ (536)	17b			
19	September	2021	\$ (191,561)	0.27%	\$ (517)	17b			
20	October	2021	\$ (193,151)	0.28%	\$ (541)	19b + Sum [17d:19d]			
21	November	2021	\$ (193,151)	0.27%	\$ (522)	20b			
22	December	2021	\$ (193,151)	0.28%	\$ (541)	20b			
23	January	2022	\$ (194,754)	0.28%	\$ (545)	22b + Sum [20d:22d]			
24	February	2022	\$ (194,754)	0.25%	\$ (487)	23b			
25	March	2022	\$ (194,754)	0.28%	\$ (545)	23b			
26	April	2022	\$ (196,332)	0.27%	\$ (530)	25b + Sum [23d:25d]			
27	May	2022	\$ (196,332)	0.28%	\$ (550)	26b			
28	Total Interest						\$	(6,366)	Sum [16d:27d]
29									
30	Total Retail Transmission Revenue Adjustment						\$	(197,412)	10e + 28d

Notes

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

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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	2021	\$ 1,543,576	0.27%	\$ 4,168	Exhibit 2 at 37a
2	July	2021	\$ 1,547,744	0.28%	\$ 4,334	1b + 1d
3	August	2021	\$ 1,547,744	0.28%	\$ 4,334	2b
4	September	2021	\$ 1,547,744	0.27%	\$ 4,179	2b
5	October	2021	\$ 1,560,590	0.28%	\$ 4,370	4b + Sum [2d:4d]
6	November	2021	\$ 1,560,590	0.27%	\$ 4,214	5b
7	December	2021	\$ 1,560,590	0.28%	\$ 4,370	5b
8	January	2022	\$ 1,573,543	0.28%	\$ 4,406	7b + Sum [5d:7d]
9	February	2022	\$ 1,573,543	0.25%	\$ 3,934	8b
10	March	2022	\$ 1,573,543	0.28%	\$ 4,406	8b
11	April	2022	\$ 1,586,289	0.27%	\$ 4,283	10b + Sum [8d:10d]
12	May	2022	\$ 1,586,289	0.28%	\$ 4,442	11b
13	TOTAL				\$ 51,437	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	2021	\$ (126,601)	0.27%	\$ (342)	Exhibit 10 at 8a
15	July	2021	\$ (126,943)	0.28%	\$ (355)	14b + 14d
16	August	2021	\$ (126,943)	0.28%	\$ (355)	15b
17	September	2021	\$ (126,943)	0.27%	\$ (343)	15b
18	October	2021	\$ (127,997)	0.28%	\$ (358)	17b + Sum [15d:17d]
19	November	2021	\$ (127,997)	0.27%	\$ (346)	18b
20	December	2021	\$ (127,997)	0.28%	\$ (358)	18b
21	January	2022	\$ (129,059)	0.28%	\$ (361)	20b + Sum [18d:20d]
22	February	2022	\$ (129,059)	0.25%	\$ (323)	21b
23	March	2022	\$ (129,059)	0.28%	\$ (361)	21b
24	April	2022	\$ (130,105)	0.27%	\$ (351)	23b + Sum [21d:23d]
25	May	2022	\$ (130,105)	0.28%	\$ (364)	24b
26	TOTAL				\$ (4,219)	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	2021	\$ 1,563,138	0.27%	\$ 4,220	Exhibit 1b at 15a
2	July	2021	\$ 1,567,358	0.28%	\$ 4,389	1b + 1d
3	August	2021	\$ 1,567,358	0.28%	\$ 4,389	2b
4	September	2021	\$ 1,567,358	0.27%	\$ 4,232	2b
5	October	2021	\$ 1,580,368	0.28%	\$ 4,425	4b + Sum [2d:4d]
6	November	2021	\$ 1,580,368	0.27%	\$ 4,267	5b
7	December	2021	\$ 1,580,368	0.28%	\$ 4,425	5b
8	January	2022	\$ 1,593,485	0.28%	\$ 4,462	7b + Sum [5d:7d]
9	February	2022	\$ 1,593,485	0.25%	\$ 3,984	8b
10	March	2022	\$ 1,593,485	0.28%	\$ 4,462	8b
11	April	2022	\$ 1,606,392	0.27%	\$ 4,337	10b + Sum [8d:10d]
12	May	2022	\$ 1,606,392	0.28%	\$ 4,498	11b
13	TOTAL				\$ 52,089	Sum [1d:12d]

Notes

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

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ATTACHMENT J
 WP WHOLESALE ADJUSTMENTS

Workpaper - Adjustments to Wholesale Charges

	a	b	c	d	e		
Line	Description	Rate Year	Filed Value	Adjusted Value	ATRR Impact	Interest (Note 1)	Reference(s)
1	2018-2019 Settlement Adjustment				\$ 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.

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ATTACHMENT J
 WP RETAIL ADJUSTMENTS

Workpaper - Adjustments to Retail Charges

	a	b	c	d	e		
Line	Description	Rate Year	Filed Value	Adjusted Value	ATRR Impact	Interest (Note 1)	Reference(s)
1	2020-2021 Settlement Adjustment				\$ (340,114)	[Included in Col. d]	ER20-1977 Settlement filed 11/19/2021, Sec. 5.2.2 FA20-9 Refund Report file 3/18/2022 FA20-9 Refund Report file 3/18/2022
2	FERC Audit - AFUDC Recalc				\$ (327)	[Included in Col. d]	
3	FERC Audit - Income tax Receivable Adj				\$ (1,220)	[Included in Col. d]	
4							
5							
6							
7							
8							
9							
10							
11	TOTAL				\$ (341,661)	\$ -	Sum [1d:10d]; Sum [1e:10e]

Notes

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

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Workpaper - Transaction Costs

Line	Description	a	b	c	d	e	f	Reference
		EOY Gross Plant Recorded	BOY Accum. Depreciation	EOY Accum. Depreciation	BOY ADIT	EOY ADIT	CY Depreciation Expense	
2019								
1	Projects Removed from Transmission Plant							
2	Project 2225 - Integrate MPS into BHE SCADA	\$ 218,477	\$ (25,068)	\$ (29,459)	\$ (34,285)	\$ (34,552)	\$ 4,391	Company Records
3	80% allocation to transmission (see Amended Refund Rept Tab: Project 2225)	\$ 174,782	\$ (20,054)	\$ (23,567)	\$ (27,428)	\$ (27,642)	\$ 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	\$ 111,604	\$ (109,860)	\$ (129,391)	\$ (489)	\$ -	\$ 19,531	Company Records, a: Value to Exhibit 4 at Line 3; f: Value to Exhibit 5 at 3a
11								
12	13 Month Plant Balances							
		Depreciation - Transmission	Depreciation - General	Amortization - Intangible	ADIT			Reference
13	Dec-20	\$ (20,054)	\$ (109,860)	\$ -	\$ (27,917)			a: 3b, b: 10b, c: 8b, d: 3d + 8d + 10d
14	Jan-21	\$ (20,347)	\$ (111,488)	\$ -	\$ (27,894)			a - c: calculated from line 13 and line 25 values
15	Feb-21	\$ (20,640)	\$ (113,115)	\$ -	\$ (27,871)			a - c: calculated from line 13 and line 25 values
16	Mar-21	\$ (20,932)	\$ (114,743)	\$ -	\$ (27,848)			a - c: calculated from line 13 and line 25 values
17	Apr-21	\$ (21,225)	\$ (116,371)	\$ -	\$ (27,825)			a - c: calculated from line 13 and line 25 values
18	May-21	\$ (21,518)	\$ (117,998)	\$ -	\$ (27,802)			a - c: calculated from line 13 and line 25 values
19	Jun-21	\$ (21,811)	\$ (119,626)	\$ -	\$ (27,779)			a - c: calculated from line 13 and line 25 values
20	Jul-21	\$ (22,103)	\$ (121,253)	\$ -	\$ (27,756)			a - c: calculated from line 13 and line 25 values
21	Aug-21	\$ (22,396)	\$ (122,881)	\$ -	\$ (27,733)			a - c: calculated from line 13 and line 25 values
22	Sep-21	\$ (22,689)	\$ (124,508)	\$ -	\$ (27,710)			a - c: calculated from line 13 and line 25 values
23	Oct-21	\$ (22,982)	\$ (126,136)	\$ -	\$ (27,688)			a - c: calculated from line 13 and line 25 values
24	Nov-21	\$ (23,274)	\$ (127,764)	\$ -	\$ (27,665)			a - c: calculated from line 13 and line 25 values
25	Dec-21	\$ (23,567)	\$ (129,391)	\$ -	\$ (27,642)			a: 3c, b: 10c, c: 8c, d: 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 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021
	\$ 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 \$ 474,576 Adjustment to BOY/EOY Average ADIT