

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

**ATTACHMENT J
EXHIBIT 1a**

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							
2 Annual Cost	\$ 487,718						Exhibit 10 at 4a
3 Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
4 Rate		\$ 5.85	\$ 0.49	\$ 0.11	\$ 0.022	\$ 0.0014	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	\$ 11,956,863						Exhibit 2 at 33a
13 Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
14 Rate		\$ 143.34	\$ 11.95	\$ 2.76	\$ 0.552	\$ 0.0345	14b = 12a / 13a
15							
16 Schedule 7 - Long Term or Short Term Firm Point to Point (PTP)							
17 Annual Transmission Revenue Requirement	\$ 11,956,863						Exhibit 2 at 33a
18 Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
19 Rate		\$ 143.34	\$ 11.95	\$ 2.76	\$ 0.552	\$ 0.0345	19b = 17a / 18a
20							
21 Schedule 8 - Non-Firm Point to Point (PTP)							
22 Annual Transmission Revenue Requirement	\$ 11,956,863						Exhibit 2 at 33a
23 Applicable 12-CP Demand kW Value	83,417						Exhibit 8 at 14a * 1000
24 Rate		\$ 143.34	\$ 11.95	\$ 2.76	\$ 0.552	\$ 0.0345	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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EXHIBIT 1b

Summary of Charges for Retail Customers

Line	Description	a	Value	Reference(s)
1	Basic Transmission Service Charges for Retail Customers - Schedules 10,11,12			
2	Total Wholesale Transmission Revenue Requirement		\$ 11,956,863	Exhibit 2 at 33a
3	Retail Load Ratio Share (rounded to 2 decimal places)		93.70%	Exhibit 8 at 16f
4	Subtotal		\$ 11,203,581	2a * 3a
5.1				
5.2	Customer Information System Net Plant		\$ 2,967,665	Exhibit 4 at [7.4r + 15.3r]
5.3	Cost of Capital Rate (rounded to 2 decimal places)		8.76%	Exhibit 3 at 4d
5.4	Investment Return on Customer Information System Plant		\$ 259,967	5.2a * 5.3a
5.5				
5.6	Customer Information System Depreciation and Amortization		\$ 209,014	Exhibit 5 at 4.3e
5.7				
6	Customer Accounting Costs Allocated to Retail		\$ 786,220	WP Customer Costs at 7a
7	Schedule 1 Charges		\$ 456,992	Exhibit 10 at 4a * 3a
8	Schedule 2 Charges		\$ 84,330	Exhibit 10 at 3a (neg.) * 3a
9	NMISA Operational Costs		\$ 264,647	Exhibit 10 at 2a (neg.)
10	Adjustments		\$ (341,661)	WP Retail Adjustments [11d + 11e]
11	Actual Retail Transmission Revenue Requirement		\$ 12,923,089	Sum [4a, 5.4a:10a]
12				
13	Deferred \$ Associated with Prior Year Adjustments		\$ (197,412)	WP Retail June True-Up at 30d
14	Retail Revenue Requirement to Be Used for Charges		\$ 12,725,677	11a + 13a

Calculation of Retail Charges by Customer Class

Line	MPD Rate Class Designation	a	b	c	d	e	f	Reference(s)
		Billing Units (Notes 1 & 2)	Class 12-CP %	Revenue Req.	Class Rate	Class Rate		
		kWh	kW	(Note 3)	\$	\$/kWh	\$/kW-mo	
15.01	Residential (A/A1/AH/AHN) (Note 3)	200,675,236		34.7%	\$ 4,412,912	\$ 0.021990		FF1 at 304, Company Records
15.02	General Service (C,D-2,F,SNO)	93,337,978		26.3%	\$ 3,347,822	\$ 0.035868		FF1 at 304, Company Records
15.03	Medium Power Service - Primary (EP) (Note 3)	11,668,088	34,071	1.1%	\$ 134,116		\$ 3.94	FF1 at 304, Company Records
15.04	Medium Power Service - Primary (EP) Coincident Peak	0	0	0.0%	\$ -		\$ 13.91	FF1 at 304, Company Records
15.05	Large Power Service - Primary TOU (E-P-T)	21,059,760	47,772	2.8%	\$ 350,109		\$ 7.33	FF1 at 304, Company Records
15.06	Large Power Service - Primary TOU (E-P-T) Coincident Peak	0	0	0.0%	\$ -		\$ 13.91	FF1 at 304, Company Records
15.07	Medium Power Service - Secondary (ES)	65,957,641	180,565	6.7%	\$ 855,598		\$ 4.74	FF1 at 304, Company Records
15.08	Medium Power Service - Secondary (ES) Coincident Peak	0	0	0.0%	\$ -		\$ 13.91	FF1 at 304, Company Records
15.09	Large Power Service - Secondary TOU (E-S-T)	9,066,020	19,563	1.8%	\$ 232,729		\$ 11.90	FF1 at 304, Company Records
15.10	Large Power Service - Secondary TOU (E-S-T) Coincident Peak	0	0	0.0%	\$ -		\$ 13.91	FF1 at 304, Company Records
15.11	Sub-Transmission Power Service (S-T)	15,169,000	76,689	7.0%	\$ 894,141		\$ 11.66	FF1 at 304, Company Records
15.12	Transmission Power Service (H-T)	111,440,000	183,205	19.5%	\$ 2,483,761		\$ 13.56	FF1 at 304, Company Records
15.13	Street & Area Lighting (SL, T)	2,307,707		0.1%	\$ 14,489	\$ 0.006278		FF1 at 304, Company Records
15.□*								FF1 at 304, Company Records
16	Retail Revenue Requirement to Be Used for Charges	530,681,430		100.0%	\$ 12,725,677			Sum [15.01:15.13]

* Additional rows to be added as necessary.

Notes

- Billing units corresponding to the most recent calendar year will be used.
- kWh and kW are annual values. Annual kW = kW-month * 12.
- Retail 12 CPs will be updated to the most current available calendar year.
- Value rounded to nearest \$0.000001.
- Value rounded to nearest \$0.01.
- For Coincident Peak rate classes, the associated rate will be calculated by Total Retail Revenue Requirement divided by Maine Public District Monthly Retail Peak Loads used in Exhibit 1b when the class's 12-CP is zero.

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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.)	\$ (366,487)	Exhibit 7 at 21a
32	Adjustments	\$ 759,856	WP Wholesale Adjustments [11d + 11e]
33	<u>ACTUAL WHOLESALE TRANSMISSION REVENUE REQUIREMENT</u>	\$ 11,956,863	Sum [24a:32a]

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EXHIBIT 3

Determination of Cost of Capital Rate

Line Description	a Beginning of Year	b End of/ Full Year	c Average	d	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]
Long-Term Debt Component					
6 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]
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]
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
Preferred Stock Component					
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
Return on Equity Component					
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]
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
Federal Income Tax					
45 where:	$(A+[(B+C)/D]) \times FT$				
46 FT = Transmission Provider federal income tax rate				21.0000%	Company Records
47 A = Equity portion of weighted cost of capital				4.9018%	29d + 42d
48 B = MPD Transmission-Related Amortization of Investment Tax Credits		\$ -			Company Records
49 C = MPD Equity AFUDC component of transmission depreciation expense		\$ 11,396			Company Records
50 D = MPD Transmission Investment Base		\$ 76,816,941			Exhibit 4 at 41r
51 Federal Income Tax				1.3070%	Per Formula at 45-46
State Income Tax					
54 where:	$((A+[(B+C)/D])+E) \times ST$				
55 ST = Transmission Provider state income tax rate				8.9300%	Company Records
56 A = Equity portion of weighted cost of capital				4.9018%	29d + 42d
57 B = MPD Transmission-Related Amortization of Investment Tax Credits		\$ -			Company Records
58 C = MPD Equity AFUDC component of transmission depreciation expense		\$ 11,396			Company Records
59 D = MPD Transmission Investment Base		\$ 76,816,941			Exhibit 4 at 41r
60 E = Federal Income Tax				1.3070%	52d
61 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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EXHIBIT 5

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	\$ 2,059,034	MPD	100.00%	\$ 2,059,034	All Trans. 100.00%	\$ 2,059,034	FF1 at 336:7f, Company Records
3	General Plant Depreciation and Amortization	\$ 682,364	MPD	100.00%	\$ 682,364	Salaries & Wages 12.05%	\$ 82,195	FF1 at 336:10f, Company Records
4.1	Intangible Plant Amortization	\$ 1,153,561	MPD	100.00%	\$ 1,153,561	Salaries & Wages 12.05%	\$ 138,954	FF1 at 336:1f, Company Records
4.2	Customer Information System Depreciation and Amortization (neg.)	\$ (682,572)	MPD	100.00%	\$ (682,572)	Salaries & Wages 12.05%	\$ (82,220)	FF1 at 336:1f, 336:10f, Company Records
4.3	Customer Information System Depreciation and Amortization (pos.)	\$ 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								
6.2	<u>Amortization of Deficient/(Excess) Deferred Income Tax Assets/(Liabilities)</u>							
6.3	Amortized Amount	\$ (169,234)	MPD	100.00%	\$ (169,234)	All Trans. 100.00%	\$ (169,234)	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						\$ (235,226)	6.3e / (1 - 6.4e)
6.6								
7	<u>Transmission-Related Amortization of Investment Tax Credits</u>	\$ -	MPD	100.00%	\$ -	Plant 37.84%	\$ -	FF1 at 266:8f, Company Records
8								
9	<u>Transmission-Related Property Tax Expense</u>	\$ 17,099,981	Total Plant	17.88%	\$ 3,058,080	Plant 37.84%	\$ 1,157,125	FF1 at 263:i, Company Records
10								
11	<u>Transmission-Related Payroll Tax Expense</u>	\$ 3,636,460	Cust/Load/Sales	24.51%	\$ 891,269	Salaries & Wages 12.05%	\$ 107,359	FF1 at 263:i, Company Records
12								
13	<u>Transmission Operation and Maintenance</u>							
14	Account Nos. 560-564, 566-573	\$ 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	Account No. 561 (neg.)	\$ (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								
18	<u>Transmission-Related Administrative and General Expense</u>							
19	Account Nos. 920-935	\$ 21,211,950	Cust./Sales	24.24%	\$ 5,142,194	Salaries & Wages 12.05%	\$ 619,412	FF1 at 323:197b
20	Account Nos. 924, 928, 930.1 (all neg.)	\$ (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	Account No. 923 Regulatory Proceedings (neg.)	\$ -	Cust./Sales	24.24%	\$ -	Salaries & Wages 12.05%	\$ -	FF1 at 323:184b, Company Records
22	Account No. 926 MPD PBOP (neg.)	\$ (353,731)	MPD	100.00%	\$ (353,731)	Salaries & Wages 12.05%	\$ (42,609)	FF1 at 323:187b, Company Records
23	Account No. 924 Property Insurance	\$ 1,232,906	Total Plant	17.88%	\$ 220,487	Plant 37.84%	\$ 83,429	FF1 at 323:185b
24	Account No. 928 Commission Annual Charges	\$ 13,818	MPD	100.00%	\$ 13,818	All Trans. 100.00%	\$ 13,818	FF1 at 323:189b, Company Records
25	Account No. 928 Transmission-Related (other than Annual Charges)	\$ 330,440	MPD	100.00%	\$ 330,440	All Trans. 100.00%	\$ 330,440	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 12.05%	\$ (2,490)	Note 2
28	Account No. 407.3 Amortization of Pension and PBOP Regulatory Asse	\$ -	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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EXHIBIT 6

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.

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ACTUAL 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 Refunds to PTP Customers per Settlements	\$ (9,127)	ER20-1977-003 and -004
4		
5		
6		
7		
8		
9 TOTAL	\$ 366,487	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 TOTAL TRANSMISSION-RELATED REVENUES	\$ 366,487	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, net of all of the principal and one-half of the associated interest of any refunds for point-to-point transmission and associated ancillary services recorded in Account 449.1.
- 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
RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
ACTUAL ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

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

**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
 RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
 ACTUAL 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	SCHEDULING, SYSTEM CONTROL & DISPATCHING SERVICE COSTS	\$ 487,718	Sum [1a:3a]

Notes

- 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, 2022 TO MAY 31, 2023
ACTUAL ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES**

**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)
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							

76	<u>Account No. 928 Reconciliation</u>							
77	Commission Annual Charges	\$	140,352	\$	13,818	\$	154,170	Exhibit 5
78	Other Transmission-Related Regulatory Commission Expenses	\$	693,071	\$	330,440	\$	1,023,511	Exhibit 5
79	Other Regulatory Commission Expenses (Distribution)	\$	3,323,044	\$	1,046,507	\$	4,369,551	n/a
80	Total					\$	5,547,232	FF1 at 323:189b
81								
82	<u>General Taxes</u>							
83	2022					\$	14,889,612	FF1 at 263i
84	2021					\$	2,210,368	FF1 at 263i
85						\$	17,099,980	Exhibit 5
86	<u>Payroll Tax Expense</u>							
87	FICA					\$	3,556,255	FF1 at 263i
88	Federal Unemployment					\$	23,425	FF1 at 263i
89	State Unemployment					\$	56,780	FF1 at 263i
90						\$	3,636,460	Exhibit 5
91								
92	<u>Taxes Other Than Income Taxes</u> (sum of Property Tax and Payroll Tax above)					\$	20,736,440	n/a
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	533,487	\$ 63,377,010	90,909		BHD	a: FF1 at 304-304.1:Col. b	
96	02 Residential Water Heat	817	\$ 96,700	206		BHD	b: FF1 at 304-304.1:Col. c	
97	11 Residential TOU	5,639	\$ 600,258	487		BHD	c: FF1 at 304-304.1:Col. d	
98	45 Residential Thermal Storage	130	\$ 10,403	10		BHD		
99	47 Residential Heating	54,848	\$ 5,909,349	6,673		BHD		
100	50 Residential Heating New	87,917	\$ 9,485,215	9,509		BHD		
101	04 General Service	150,451	\$ 17,773,006	16,985		BHD		
102	05 Temporary General Service	2	\$ 749	4		BHD		
103	07 Commercial Water Heating	18	\$ 1,657	5		BHD		
104	48 Commercial Space Heating	13,580	\$ 1,391,831	861		BHD		
105	49 Commercial Space Heating New	206	\$ 16,978	18		BHD		
106	09 Medium Power Secondary M-2	362,957	\$ 29,613,453	1,585		BHD		
107	15 Medium Power Primary M-1	43,402	\$ 3,020,873	98		BHD		
108	34 Competitive D2	171	\$ 12,332	1		BHD		
109	12 Primary Power D-4	120,642	\$ 6,340,167	25		BHD		
110	T1 Transmission T1	115,463	\$ 3,778,202	33		BHD		
111	18 Street Lighting	4,894	\$ 1,741,576	4,812		BHD		
112	20 Street Light Energy	1,325	\$ 106,438	39		BHD		
113						BHD		
114	BHD Billed Total	1,495,949	\$ 143,276,197	132,260				
115								
116								

117					
118					
119	A Residential Service	144,850	\$ 14,281,022	22,976	MPD
120	AH Residential Space Heating Service	15,808	\$ 1,336,850	1,833	MPD
121	AHN Residential Space Heat Service-New	40,018	\$ 3,401,624	4,088	MPD
122	C General Service	88,981	\$ 9,013,166	7,185	MPD
123	CF General Service-Christmas Lights	-	\$ -	-	MPD
124	D2 Municipal Pumping Service	1,746	\$ 114,633	19	MPD
125	F Agricultural Produce Storage Rate	2,375	\$ 205,242	24	MPD
126	MC-G General Service (Contract)	6	\$ 1,414	4	MPD
127	ES Large Power Service-Secondary	64,272	\$ 3,755,065	34	MPD
128	EP Large Power Service-Primary	11,668	\$ 600,317	159	MPD
129	MC-M Large Power Service-Secondary (Contract)	1,686	\$ 63,078	1	MPD
130	SNO General Service (Contract)	229	\$ 20,173	2	MPD
131	EPT Large Power Service-Primary TOU	21,060	\$ 939,926	12	MPD
132	EST Large Power Service-Secondary TOU	9,066	\$ 466,309	5	MPD
133	HT Transmission Power Service-TOU	16,224	\$ 418,337	3	MPD
134	HTHUB Transmission Power Service-TOU (Contract)	31,010	\$ 635,677	1	MPD
135	MC-L Transmission Power Service-TOU (Contract)	64,206	\$ 1,250,098	1	MPD
136	ST Subtransmission Power Service-TOU	15,169	\$ 1,133,047	4	MPD
137	SL Street Lighting Service	653	\$ 311,060	39	MPD
138	SL2 Street Lighting Service	291	\$ 20,037	1	MPD
139	T Outdoor Lighting Service	1,364	\$ 334,500	922	MPD
140					MPD
141	MPD Billed Total	530,682	\$ 38,301,575	37,313	
142					
143					
144					
145					
146					
147					
148					
149					
150					
151					
152					
153					
154					
155					
156					
157					
158					
159					
160					
161					

162 Unbilled Amounts

	(a) BHD Value	(b) MPD Value	(c) Total
163 MWh	(8,245)	5,146	(3,099)
164 Revenue	\$ (1,276,052)	\$ 359,290	\$ (916,762)

FF1 Value	FF1 Value Reference(s)
(3,099)	FF1 at 304:b
\$ (916,762)	FF1 at 304:c

	(a) MWh	(b) Revenue	(c) Avg. Count
167 BHD (excluding unbilled)	1,495,949	\$ 143,276,197	132,260
168 MPD (excluding unbilled)	530,682	\$ 38,301,575	37,313
	2,026,631	\$ 181,577,772	169,573

(c) Exhibit 6

(c) Exhibit 6

Cols. a & b totals: FF1 at 304:b & 304:c

Col. c total: FF1 at 304:d

171 BHD (including unbilled)	1,487,704	\$ 142,000,145	
172 MPD (including unbilled)	535,828	\$ 38,660,865	
173	2,023,532	\$ 180,661,010	

Exhibit 6

Exhibit 6

a: 161a + 165a, b: 162a + 165b

a: 161b + 166a, b: 162b + 166b

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, 2022 TO MAY 31, 2023
 ACTUAL ATRR & CHARGES BASED ON ACTUAL CY 2022 VALUES

Workpaper - ADIT	a	b	c	d	e	f	g	h	i	j	k	l	m	n = avg. [a:m]	o	p = n * o		
	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 (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 (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 &	\$ (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																		

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														\$ -	Revenue Allocator	30.62%	\$ -
--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	-------------------	--------	------

75 TOTAL \$ (8,575,660)

Sum [50p, 62p, 74p]

76
77 Account No. 283 exclusive of deferred income taxes associated with stranded costs, retail rake-making, affiliated companies, or any ASC-740 amounts

FF1 at 113:64c, Company Records

78	Prepaid Insurance	\$ (47,517)	\$ (36,577)	\$ (26,566)	\$ (16,538)	\$ (7,828)	\$ (3,406)	\$ 92	\$ (69,920)	\$ (72,458)	\$ (58,250)	\$ (75,150)	\$ (64,510)	\$ (46,013)	\$ (40,357)
79	Reg. Asset - Pension	\$ (726,443)	\$ (706,755)	\$ (687,066)	\$ (667,378)	\$ (647,690)	\$ (628,002)	\$ (608,314)	\$ (588,626)	\$ (568,937)	\$ (549,249)	\$ (529,561)	\$ (509,873)	\$ (490,185)	\$ (608,314)
80	Prepaid IT Support Costs	\$ (57,494)	\$ (56,916)	\$ (55,970)	\$ (54,919)	\$ (61,666)	\$ (53,591)	\$ (69,498)	\$ (75,262)	\$ (73,243)	\$ (67,664)	\$ (69,762)	\$ (61,937)	\$ (50,386)	\$ (62,178)
81	[Reserved]														
82	[Reserved]														
83	[Reserved]														
84	[Reserved]														
85	[Reserved]														
86	[Reserved]														
87	[Reserved]														
88															

88 \$ (710,848) Salaries and Wages 12.05% \$ (85,627)

89	Acct. 283 - Subject to MPD Plant Allocation														
90	Reg. Asset - Unamortized Loss on Reacquired Debt	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)
91	Property Taxes	\$ (112,642)	\$ (92,204)	\$ (73,626)	\$ (55,185)	\$ (36,745)	\$ (18,304)	\$ (4,459)	\$ (15,619)	\$ (38,833)	\$ (74,859)	\$ (83,819)	\$ (90,679)	\$ (100,265)	\$ (61,326)
92	[Reserved]														
93	[Reserved]														
94	[Reserved]														
95	[Reserved]														
96	[Reserved]														
97	[Reserved]														
98	[Reserved]														
99	[Reserved]														

100 \$ (61,326) Plant Allocator 37.84% \$ (23,205)

101															
102	[Reserved]														
103	[Reserved]														
104	[Reserved]														
105	[Reserved]														
106	[Reserved]														
107	[Reserved]														
108	[Reserved]														
109	[Reserved]														
110	[Reserved]														
111	[Reserved]														

112 \$ (108,831) Revenue Allocator 30.62% \$ -

113 TOTAL \$ (108,831)

Sum [88p, 100p, 112p]

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
ATTACHMENT J FORMULA RATES
RATE YEAR JUNE 1, 2022 TO MAY 31, 2023
ACTUAL 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, 2022 TO MAY 31, 2023
ACTUAL 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
		Versant Power				
Line	Year	Protected Amortization (Note 1) of Deficient DIT Asset	of Excess DIT Liability	Net Protected Amortization	MPD Transmission Protected Allocator (Note 3)	MPD Transmission Net Protected Amortization
		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, 2022 TO MAY 31, 2023
ACTUAL 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 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
ACTUAL 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%	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	Versant Power Net Deferred Tax Asset/(Liability)	\$ (63,653,751)	\$ (17,208,613)	\$ (80,862,364)	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

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
ACTUAL 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]

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

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 <u>Company Revenue Allocator (MPD)</u>	<u>21.40%</u>	Exhibit 6 at 29a
5 <u>MPD Allocation</u>	<u>\$ 2,567,543</u>	3a * 4a
6 <u>MPD Revenue Allocator (Transmission)</u>	<u>30.62%</u>	Exhibit 6 at 43a
7 <u>MPD Retail Transmission Allocation</u>	<u>\$ 786,220</u>	5a * 6a

VERSANT POWER – MAINE PUBLIC DISTRICT OATT
 ATTACHMENT J FORMULA RATES
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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		
			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	(2.45)	12,716	\$ (31,136)		
4	EP	kW	7.52	6.71	(0.82)	3,189	\$ (2,602)		
5	ES-T	kW	11.87	7.95	(3.93)	1,785	\$ (7,011)		
6	EP-T	kW	4.88	5.24	0.36	4,283	\$ 1,556		
7	S-T	kW	8.06	7.16	(0.89)	6,767	\$ (6,054)		
8	H-T	kW	10.93	8.49	(2.43)	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 = b * c		
13									
14									
15	Month	Year	Balance	Monthly Rate (Note 3)	Total	Col. (b) Reference			
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

- 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.

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ATTACHMENT J
 WP WHOLESALE ADJUSTMENTS

Workpaper - Adjustments to Wholesale Charges

Line	Description	a Rate Year	b Filed Value	c Adjusted Value	d ATRR Impact	e 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.

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

Workpaper - Adjustments to Retail Charges

Line	Description	a Rate Year	b Filed Value	c Adjusted Value	d ATRR Impact	e Interest (Note 1)	Reference(s)
1	2020-2021 Settlement Adjustment				\$ (340,114)	[Included in Col. d]	ER20-1977-004 Settlement filed 2/2/23, Sec. 5.2.2 FA20-9 Refund Report filed 3/18/2022 FA20-9 Refund Report filed 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.

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