Exhibit Petitioner SSM-10

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K42 Rebuild Benefit/0	Cost Ana	lysis Work	sheet			9/21/2023
				Societal Present Value	VT Utility Present Value	Assumptions
I. Quantitative benefits for ne	w single po	e/single condu	ctor line instead of in-kind re	eplacement of all structures:		
Value of lost load of 1 - 12hr event during replacement of risky structures (for in-kind replacement)				\$ 83,404,456	\$ 83,404,456	(109.192MW x 1,000KW/MW x 12hrs x \$63.65/kWh VOLL)
	, , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,				(In-kind replacement of 35 deadends/angles (10hrs each + 2hrs restoration) leaves single contingency risk for northern loop load
						(If one single contingency event occurs this would be the value of lost customer load)
						(Excludes human life risks/impacts from auto crashes, medical equipment, hospitals, etc. due to power outage)
Value of additional 75' of ROW for 16.7	miles			\$ 2,710,356	\$ 2,710,356	(75' easement value + cost to clear 50% + condem/lit. avoidance + ROW legal/agent costs)
Value of additional 75 of Nov 101 2017				Ç 2,7 10,000	Ç 2,710,550	(Excludes cost of potential home/building takings in a new ROW situation)
Avoided DU lost generation revenue du	ring incremen	tal 25 days of outa	res (for in-kind replacement)	\$ 339,359	\$ 339,359	(\$43.93/MWh for lost KCW, Sheffield generation @ 30% CF; 2024/2025 futures summer only ATC from Pricing Analysis ss - Alt. onpeak pricing is \$53.37/MW
Avoided Do lost generation revenue de	ing incremen	tai 25 days or oata	ges (for itt kind replacement)	\$ 333,333	\$ 333,333	(35 outage days for in-kind replacement - 10 outage days for rebuild = 25 days incremental)
						(Sheldon Springs, Coventry, Highgate Falls, & Newport Hydro are allowed to generate)
						(Highgate Falls & Newport Hydro are load reducers; others allowed to generate due to KCW, Sheffield, & Converter off-line)
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Avoided DU lost generation REC value during incremental 25 days of outages (for in-kind replacement)				\$ 231,750	\$ 231,750	(\$30/MWh Class 1 REC)
		Ì				(Lost KCW, Sheffield generation @ 30% CF)
						(Sheldon Springs, Coventry, Highgate Falls, & Newport Hydro are allowed to generate)
Benefits				\$ 86,685,922	\$ 86,685,922	
Incremental costs w/ contingency for single pole line/reconductor to replace H-frame line			\$ 27,282,495	\$ 1,091,300	(With PTF funding VT's cost is 4% load ratio share)	
II. Quantitative benefits for do	uble condu	ctor instead of	single conductor:			
Savings from reduced PTF line losses			Levelized	\$ 1,398,654 per yr	\$ 700,158 per yr	(Societal from VT loss valuation analysis ss; energy, capacity, CO2 costs)
			PV	\$ 15,496,828 PV over 10 yr	s \$ 4,593,980 PV over 1	0 yrs (VT savings from DEA Generator Revenues ss; For 10yrs due to current HQ PPA maximum '26-'35; assumes Sheffield contracts extended to VT DUs)
						(VT savings: increased gen/PPA revenues due to reduced losses/congestion in SHEI LMPs)
						(PVs calculated via Vermont_loss_valuation_analysis ss; real discount rates for Societal & VELCO)
PV Benefits				\$ 15,496,828	\$ 4,593,980	
PV Incremental costs w/ contingency for second conductor				\$ 7,555,994	\$ 277,062	(With PTF funding VT's cost is 4% load ratio share; PV over 2yrs of construction investment)