



Mileage	Base Case + two fixes	Byron - N Madison	Paddock - Rockdale	Salem - N Madison	plus Salem - Maquoketa 161 kV fix (Iowa)	plus Hazleton - Salem 345 kV fix (Iowa)	Prairie Isl - Columbia	Luddington - Forrest Jct	Sault Ste Marie - Arnold
345 kV (or EHV DC) Miles	0	94	35	153	153+	153+	174+	93	185

Economic Factors

Estimated Cost (\$M)	\$19.50	\$221.30	\$59.30	\$341.50	\$348.88	\$491.50			
Annualized (\$M/yr)	\$1.76	\$19.92	\$5.34	\$30.74	\$31.40	\$44.24	\$22.00	\$29.90	\$23.60
Market Savings (\$M/yr)	\$9.96	\$14.64	\$10.16	\$6.15	\$14.64	\$13.20	\$10.66	(\$13.30)	(\$4.00)
Net Savings (\$M/yr)	\$8.21	(\$5.28)	\$4.82	(\$24.59)	(\$16.76)	(\$31.04)	(\$11.34)	(\$43.20)	(\$27.60)
3x Market Savings	29.9	43.9	30.5	18.5	43.9	39.6	32.0	(39.9)	(12.0)
3x Net Savings	28.1	24.0	25.1	(12.3)	12.5	(4.6)	10.0	(69.8)	(35.6)

Other Factors

Transfer Capability (MW)	16%	3648	4787	4756	4766	4766	4835	4085	3734	4059
LMP Comparability (w/ UP)	10%	8.0	9.0	9.0	5.0	9.0	10.0	0.0	0.0	0.0
Reliability (LOLE)	5%	4.0	10.0		10.0			7.0	1.0	1.0
Reliability (EUE)	5%	0.0	10.0		9.0			2.0	0.0	0.0
Strategic Benefits	24%	1.7	7.2		8.8			7.7	6.0	7.8
System Performance	5%	9.0	9.0		10.0			10.0	0.0	0.0
Operating Flexibility	5%	1.0	8.0		7.0			9.0	5.0	10.0
Societal Impacts	15%	10.0	5.0		7.0			1.0	4.0	7.0
Environmental Impacts	15%	10.0	4.0		3.0			2.0	5.0	3.0
NET SCORE	100%	5.4	7.3		7.5			4.8	3.4	4.2