



ATSI Baseline Network Upgrade Cost Allocation

Network Upgrade ID	Network Upgrade Description	TO	Cost (\$M)	ATSI
b1190	Reconductor Lemonyne –Maclean 138KV circuit with 954ACSS conductor	ATSI	4.3	100.00%
b1191	Replace the Shenango –Crossland 138KV circuit #2 meter with a higher rated meter	ATSI	0.015	100.00%
b1192	Reconductor the Bayshore –Chevy 138KV circuit with 636 ACSS conductor	ATSI	4.3	100.00%
b1193	Replace the Hanna –East Akron 138KV 800 Amp wavetrapp with a 1200 Amp wavetrapp	ATSI	0.052	100.00%
b1194	Replace substation conductor on GM powertrain 138kV line exit (replace 636 ACSR with 1590 AAC or ACSR)	ATSI	0.01848	100.00%
b1229	Replace the circuit terminal and sections of substation bus conductor at Shenango 138 kV substation	ATSI	0.247	100.00%
b1281	Build new Hayes 345/138 kV substation with new 138 kV lines to: Greenfield #1, Greenfield #2, and Avery.	ATSI	33	100.00%
b1282	Build Beaver - Hayes - Davis - Besse #2 345 kV line	ATSI	34.65	100.00%
b1283	Loop the Chamberlin - Mansfield 345 kV line into the Hanna 345 kV substation	ATSI	9.075	100.00%
b1284	Install 50.0 MVAR capacitor bank at the Lime City 138 kV Substation	ATSI	2.35	100.00%
b1285	Replace Barberton - Star 138 kV #1 wavetrapp, CFZ relay, and line exit conductor at Barberton	ATSI	0.075	100.00%
b1286	Reconductor Hanna - W. Ravenna 138 kV #1	ATSI	2.05	100.00%
b1287	Reconductor Hanna - W. Ravenna 138 kV #2	ATSI	2.05	100.00%
b1288	Replace Masury - Crossland 138 kV terminal equipment at Masury	ATSI	0.01	100.00%
b1289	Reconductor Evergreen - Niles 138 kV (3 miles) and replace terminal equipment at Evergreen on Everygreen - Niles 138 kV	ATSI	0.87	100.00%
b1290	Build new Niles - Salt Springs #2 138 kV with 795 ACSR	ATSI	2.89	100.00%
b1291	Replace substation equipment at Eastlake on the Q-12 138 kV line ext	ATSI	0.0207	100.00%
b1292	Replace substation equipment at Eastlake on the Q-13 138 kV line exit	ATSI	0.0207	100.00%
b1293	Replace substation equipment at the Tangy sub on the E. Springfield - Tangy line	ATSI	0.014	100.00%
b1294	Modify the Brookside - Longview #2 138 kV CT ratio and correct the design temperature	ATSI	0.025	100.00%
b1295.1	Modify the Brookside - Longview #1 138 kV CT ratio + correct the design temperature (Longview - Madison)	ATSI	0.025	100.00%
b1295.2	Modify the Brookside - Longview #1 138 kV CT ratio + correct the design temperature (Brookside - Madison)	ATSI	0.025	100.00%
b1296.1	Reconductor BG line exit conductor at Lemoyne Sub	ATSI	0.01	100.00%
b1296.2	Change the CT ratio at Lemoyne B13213 towards Brim Tap to increase line loadability	ATSI	0.01	100.00%
b1297	Install a new Fulton 345/138 kV substation	ATSI	23	100.00%
b1299	Add SCADA control and motor operators to switches 13153 and 13154 near Silica	ATSI	0.55	100.00%
b1341	Install a 25MVAR cap bank at Airpark 138kV substation	ATSI	1.5	100.00%
b1342	Install a 50MVAR cap bank at Sharon 138kV substation	ATSI	1.32	100.00%
b1547	Reconductor the Lakeview - Greenfield 138 kV line - Replace 4/0 Cu with 336.4 ACSR, maintain 6-wire arrangement	ATSI	2.8	100.00%
b1548	Reconductor the Ottawa - Lackview 138 kV line - Replace 4/0 Cu with 336.4 ACSR, maintain 6-wire arrangement	ATSI	2.1	100.00%