

PJM 2014 RTEP Proposal Window #2 Tracking Spreadsheet

Proposal Window:	2014 RTEP Proposal Window 2
Window Opening Date:	October 17, 2014
Window Closing Date:	November 17, 2014
Window Duration:	30 Days
Current Spreadsheet:	V1

*** Pratts Area violations deadline extended to 12/5. Proposals will be included in future version of this spreadsheet

* Upgrade/Greenfield designations are as provided by the proposin entity								
Project ID	Upgrade/Greenfield*	Proposing Entity	Cost (\$M)	Target Zone	kV Level	Analysis Type	FG #	Major Components
2014_2-1A	Upgrade	Dominion	7.25	Dominion	500	Dominion Thermal TO Criteria	DOM-1	Install 500kV ring bus at Clifton Substation to remove Tx #2 from the 561 Line.
2014_2-1B	Upgrade	Dominion	1.24	Dominion	500	Dominion Thermal TO Criteria	DOM-1	Install 500kV breaker at Ox Substation to remove Ox Tx #1 from H1T561 breaker failure outage.
2014_2-1C	Upgrade	Dominion	7.12	Dominion	230	Dominion Thermal TO Criteria	DOM-2	Reconductor 7.63 miles of existing line between Cranes and Stafford and upgrade associated line switches at Stafford.
2014_2-1D	Upgrade	Dominion	1.67	Dominion	230	Dominion Thermal TO Criteria	DOM-5	Winter loading on line #4 begins to exceed Dominion's 100 MW Radial Load Planning Criteria beginning in the 2018/19 time frame. Transferring existing distribution loads at both Breomo and Cartersville stations to adjacent 230kV lines reduces Line #4 loading below Dominion's 100MW Radial Line Planning Criteria
2014_2-2A	Upgrade	AEP	1.50	AEP	69	AEP Thermal TO Criteria	AEP-T17	Rebuild 1.0 mile of Brantley-Bridge Street 69 kV Line with 1033 ACSR overhead conductor.
2014_2-2B	Upgrade	AEP	31.86	AEP	138	AEP Thermal TO Criteria	AEP-T13, AEP-T19	Rebuild 7.82 mile Elkhorn City - Haysi S.S 69 kV line utilizing 1033 ACSR built to 138 kV standards; Rebuild 5.18 mile Moss - Haysi SS 69 kV line utilizing 1033 ACSR built to 138 kV standards
2014_2-2C	Upgrade	AEP	8.78	AEP	34.5	AEP Thermal TO Criteria	AEP-T28	Rebuild approximately 4 mile section of the New Carlisle – West Side/Kankakee 34.5 kV line between West Side
2014_2-2D	Upgrade	AEP	2.03	AEP	138	AEP Thermal TO Criteria	AEP-T28	Move load from the 34.5 kV bus to the 138 kV bus by installing a new 138/12 kV XF at New Carlisle station in Indiana.
2014_2-2E	Upgrade	AEP	2.15	AEP	34.5	AEP Thermal TO Criteria	AEP-T29	Rebuild approximately 1 mile section of the Dragoon-Virgil Street 34.5 kV line between Dragoon and Dodge Tap switch and replace Dodge switch MOAB to increase thermal capability of the Dragoon-Dodge Tap branch.
2014_2-2F	Upgrade	AEP	1.69	AEP	34.5	AEP Thermal TO Criteria	AEP-T30, AEP-T31	Rebuild approximately 1 mile section of the Kline-Virgil Street 34.5 kV line between Kline and Virgil Street tap. Replace MOAB switches at Beiger, risers at Kline, switches and bus at Virgil Street.
2014_2-2G	Upgrade	AEP	0.20	AEP	69	AEP Thermal TO Criteria	AEP-T54	Rebuild approximately 0.1 miles of 69 kV line between Albion and Albion tap.
2014_2-2H	Upgrade	AEP	14.50	AEP	138	AEP Thermal TO Criteria	AEP-T23, AEP-T26	Fremont - Pound Rebuild as 138 kV
2014_2-2I	Upgrade	AEP	2.50	AEP	138	AEP Thermal TO Criteria	AEP-T9	Freemont Station improvements: Replace MOAB towards Beaver Creek with 138kV breaker, Replace MOAB towards Clinch River with 138kV breaker, Replace 138kV breaker A with new bus-tie breaker. Reuse Breaker A as highside protection on transformer #1, Install two (2) circuit switchers on highside of transformers # 2 and 3 at Fremont Station
2014_2-2J	Upgrade	AEP	12.56	AEP	138	AEP Thermal TO Criteria	AEP-T10	Install 138 kV breaker E2 at North Proctorville' Construct 2.5 Miles of 138 kV 1033 ACSR from East Huntington to Darrah 138 kV substations; Install breaker on new line exit at Darrah towards East Huntington; Install 138 kV breaker on new line at East Huntington towards Darrah, Install 138 kV breaker at East Huntington towards North Proctorville
2014_2-2K	Greenfield	AEP	43.18	AEP	138	AEP Thermal TO Criteria; AEP Voltage TO Criteria	AEP-T6, AEP-T7, AEP-T24; AEP-V8, AEP-V9, AEP-V11, AEP-V13, AEP-V14, AEP-V15, AEP-V16, AEP-V17, AEP-V18, AEP-V19, AEP-V20, AEP-V21, AEP-V22, AEP-V23, AEP-V24, AEP-V27, AEP-V28, AEP-V29, AEP-V32, AEP-V41, AEP-V42, AEP-V44, AEP-V46, AEP-V47, AEP-V48, AEP-V49, AEP-V50, AEP-V51, AEP-V52, AEP-V53, AEP-V54, AEP-V55, AEP-V56, AEP-V57, AEP-V60, AEP-V61, AEP-V62, AEP-V65	Boone Area Improvements: Purchase approximately a 200X300 station site near Slaughter Creek 46 kV station (Wilbur Station). Install 3 138 kV circuit breakers, Cabin Creek to Hershaw 138 kV circuit. Construct one mile of double circuit 138 kV line with 1590 ACSR 54/19 conductor @ 482 Degree design temperature conductor and 1-159 12/7 ACSR and one 86 Sq.MM. 0.646" OPGW Static wires. Wilbur to Boone 138 and 46 kV double circuit. Construct 15.86 miles of 138 kV double circuit line using 1033 ACSR 54/77 conductor and 1-2#8 aluminum and one 86 Sq.MM. 0.646" OPGW Static wires with one conductor side insulated at 138 kV and one side insulated at 69 kV. Connect 46 kV line insulated to 69 kV to Slaughter Creek, Maxine, Peytona, Round Bottom and Boone Stations. Add 138-69/46 kV 130 MVA Transformer and circuit switcher to Boone Station. Add 69 kV 40 KA 3000 amp circuit breaker operated at 46 kV.
2014_2-2L	Upgrade	AEP	31.65	AEP	138	AEP Thermal TO Criteria	AEP-T53, AEP-T58, AEP-T59	Bellefonte Transformer Addition
2014_2-2M	Upgrade	AEP	26.00	AEP	138	AEP Thermal TO Criteria	AEP-T38, AEP-T39, AEP-T40, AEP-T41, AEP-T42, AEP-T43, AEP-T44	Rebuild & Reconductor Kammer-George Washington 69kV circuit and George Washington-Moundsville Ckt #1, designed for 138kV. Upgrade limiting equipment at remote ends and at tap stations.
2014_2-2N	Upgrade	AEP	9.30	AEP	69	AEP Thermal TO Criteria	AEP-T46, AEP-T47, AEP-T48, AEP-T49, AEP-T50, AEP-T51, AEP-T52	Convert Bane-Hammondsville from 23kV to 69kV operation. Due to a large load addition at Bane, the networked 23kV system is overloaded for normal and contingency conditions.
2014_2-2O	Upgrade	AEP	N/A	AEP	46	AEP Thermal TO Criteria	AEP-T14	Pine Gap Relay Limit Increase
2014_2-2P	Upgrade	AEP	0.20	AEP	69	AEP Thermal TO Criteria	AEP-T21	Richlands Relay Upgrade
2014_2-2Q	Greenfield	AEP	75.50	AEP	138	AEP Thermal TO Criteria	AEP-T18, AEP-T22	Belva - Clendenin Rebuild
2014_2-2R	Greenfield	AEP	57.50	AEP	138	AEP Thermal TO Criteria	AEP-T18, AEP-T22	Therofare - Iydale Area Build
2014_2-2S	Greenfield	AEP	53.00	AEP	138	AEP Thermal TO Criteria	AEP-T18, AEP-T22	Therofare - Iydale Area Build
2014_2-2T	Upgrade	AEP	11.30	AEP	138	AEP Thermal TO Criteria	AEP-T20	Pax Branch - Scarabore Rebuild as 138 kV
2014_2-2U	Greenfield	AEP	25.98	AEP	138	AEP Thermal TO Criteria; AEP Voltage TO Criteria	AEP-T8, AEP-T11, AEP-T12, AEP-T15, AEP-T16, AEP-T25; AEP-V1, AEP-V2, AEP-V3, AEP-V4, AEP-V5, AEP-V6, AEP-V7, AEP-V10, AEP-V12, AEP-V25, AEP-V26, AEP-V30, AEP-V31, AEP-V32, AEP-V34, AEP-V35, AEP-V36, AEP-V37, AEP-V38, AEP-V39, AEP-V40, AEP-V43, AEP-V45, AEP-V58, AEP-V59, AEP-V63, AEP-V64, AEP-V66	Skinfork Area improvements, including New 138/46 kV station near Skin Fork, 3.2 miles of 1033 ACSR double ckt from New Station to cut into Sundial-Baileysville 138 kV line, and other components
2014_2-2V	Upgrade	AEP	30.00	AEP	138	AEP Thermal TO Criteria	AEP-T34, AEP-T35, AEP-T36, AEP-T37	Rebuild existing West Bellaire-Glencoe 69 kV line with 138 kV & 69 kV circuits and install 138/69 kV transformer at Glencoe Switch.
2014_2-2W	Greenfield	AEP	110.00	AEP	138	AEP Thermal TO Criteria	AEP-T34, AEP-T35, AEP-T36, AEP-T37	Rebuild / reconductor existing West Bellaire-Glencoe 69 kV line with 138 kV & 69 kV circuits and install 138/69 kV transformer at Glencoe Switch. Rebuild / reconductor / convert Glencoe-Speidel line and taps to 138 kV. Re-energize Speidel-Somerton as 138 kV. Rebuild / reconductor / convert Speidel-Summerfield line and taps to 138 kV. Construct Herlan Switch.
2014_2-2X	Upgrade	AEP	5.09	AEP	69	AEP Thermal TO Criteria	AEP-T33	Rebuild existing East Coshocton – North Coshocton double circuit line which contains Newcomerstown - N. Coshocton 34.5kV Circuit and Coshocton – North Coshocton 69kV circuit
2014_2-2Y	Greenfield	AEP	7.92	AEP	69	AEP Thermal TO Criteria	AEP-T32	Construct a new line approximately 2.5 miles from Colfax to Drewry's. Construct a new Drewry's station and install a new circuit breaker at Colfax station.
2014_2-2Z	Upgrade	AEP	8.59	AEP	34.5	AEP Thermal TO Criteria	AEP-T32	Rebuild approximately 5 miles of South Bend-West Side 34.5 kV line between South Bend and Saint Mary's stations. Replace risers and bus at South Bend station. Also, replace risers and switches at Saint Mary's station.
2014_2-3A	Greenfield	Transource	16.13	Meted	230	N2-VD; N2-VM	N2-VD1, N2-VD2, N2-VD3, N2-VD4, N2-VD5, N2-VD6, N2-VD7, N2-VD8, N2-VD9, N2-VD10, Ns-VD11, N2-VD12, N2-VD13, N2-VD14; N2-VM1, N2-VM2	Cumberland Tap Project includes approximately two miles of new double circuit 115 kV line which will cut into the existing Allen – Roundtop 115 kV and connect it to a new 230/115 kV station. The new station will also cut into the Cumberland – West Shore 230 kV line, creating a new 230 kV source into the 115 kV system. Three 230 kV breakers and two 115 kV breakers will be added at the new station, along with a new 230/115 kV 300 MVA transformer.
2014_2-3B	Greenfield	Transource	13.60	PSEG	230	N2-VD	N2-VD15, N2-VD16, N2-VD17, N2-VD18, N2-VD19, N2-VD20, N2-VD21, N2-VD22, N2-VD23, N2-VD24, N2-VD25, N2-VD26, N2-VD27, N2-VD28, N2-VD29, N2-VD30, N2-VD31, N2-VD32, N2-VD33, N2-VD34, N2-VD35, N2-VD36, N2-VD37, N2-VD38, N2-VD39, N2-VD40, N2-VD41	Tie together the Sewaren – Minue St Adams 230 kV line and the Minue St Adams – Deans 230 kV line at a new station location that is adjacent to the existing line coord. The new station to tie these lines together will be built as a breaker-and-a-half station with six 230 kV breakers and four line exits: one to Sewaren, one to Deans (via Pierson Avenue), and two to Linden via Minue St Adams.
2014_2-4A	Upgrade	First Energy	5.53	Penelec	345	Light Load - Voltage	LL-V1, LL-V2, LL-V3, LL-V4, LL-V5, LL-V14, LL-V15, LL-V44, LL-V45, LL-V51, LL-V52, LL-V53, LL-V54	Pierce Brook Substation (Formerly Farmers Valley): Install a 125 MVAR 345kV shunt reactor; Install a 345 kV shunt reactor breaker; Install a 345kV breaker to create a 4 breaker 345kV ring bus
2014_2-4B	Upgrade	First Energy	0.93	APS	138	N1-VM	N1-VM1	Relocate All Dam 6 138 kV line and the 138 kV line to AE units 1&2. Install 138kV, 3000A bus-tie breaker in the open bus-tie position next to the Shaffers corner 138 kV line install a 6-pole manual switch, foundation, control cable, and all associated facilities
2014_2-4C	Upgrade	First Energy	0.98	Meted	115	N2-VD, N2-VM	N2-VD1, N2-VD8; N2-VM1, N2-VM2	Install a 36.6 MVAR 115kV capacitor at North Bangor substation. Capacitor should be on pre-contingency.
2014_2-4D	Upgrade	First Energy	0.96	Meted	115	N2-VD	N2-VD2, N2-VD3, N2-VD4, N2-VD5, N2-VD6, N2-VD7, N2-VD9, N2-VD10, N2-VD11, N2-VD12, N2-VD13, N2-VD14	Install a 28.8 MVAR 115 kV capacitor at the Mountain substation. Capacitor should be on pre-contingency.
2014_2-4E	Greenfield	First Energy	19.33	Meted	230	N2-VD	N2-VD2, N2-VD3, N2-VD4, N2-VD5, N2-VD6, N2-VD7, N2-VD9, N2-VD10, N2-VD11, N2-VD12, N2-VD13, N2-VD14	Expand the existing Allen substation: The Allen substation and remote terminal work is an upgrade to existing facilities. Expansion of Existing Facilities - Scope of work: Install a 230kV and 115kV ring bus at Allen substation; Install a 224 MVA 230/115 kV Transformer; Upgrade relays at PPGI 115 kV (Allen Terminal); Upgrade relays at Roundtop 115 kV (Allen Terminal) Greenfield - Scope of work: - Loop the PPL Cumberland-West Shore 230 kV line into Allen Substation (~2 miles)
2014_2-4F	Upgrade	First Energy	14.76	JCPL	34.5	JCPL Thermal TO Criteria	JCPL-T1, JCPL-T2	Upgrade the V74 34.5 kV transmission line between Allenhurst and Elberon Substations.
2014_2-4G	Upgrade	First Energy	1.30	JCPL	34.5	JCPL Thermal TO Criteria	JCPL-T1, JCPL-T2	Reconductor/Replace the limiting facilities on both the Long Branch to Bath Avenue line section and the Allenhurst to Elberon line section.
2014_2-5A	Greenfield	PECO	20.50	PSEG	230	Light Load - Voltage	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Build new 230 kV substation and transmission line connecting Mercer and 230 kV line from Emilie to Ford Mill
2014_2-5B	Greenfield	PECO	35.50	PSEG	230	Light Load - Voltage	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Build new 230 kV transmission line connecting Mercer and Woodbourne substations
2014_2-6A	Greenfield	ITC Mid Atlantic	56.97	PSEG	230	Light Load - Voltage	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Build a new 230 kV line from Mercer (PSEG) to Emilie (PECO).
2014_2-7A	Greenfield	Northeast Transmission Development	23.00	Dominion	230	Dominion Thermal TO Criteria	Dom-5	Build 230/115 kV Substation (Cedar Plains) Interconnecting Breomo-Powhatan 230 kV Line to Breomo, James River, Cartersville, and Trices Lake 115 kV Lines
2014_2-7B	Greenfield	Northeast Transmission Development	22.00	Meted	230	N2-VD	N2-VD2, N2-VD3, N2-VD4, N2-VD5, N2-VD6, N2-VD7, N2-VD9, N2-VD10, N2-VD11, N2-VD12, N2-VD13, N2-VD14	Approximately 2-mile 115 kV transmission line from Allen 115 kV switching station to a new 230/115 kV substation on the Cumberland-West Shore 230 kV Line ("Dogwood Run").
2014_2-7C	Greenfield	Northeast Transmission Development	33.70	Comed	345	LL	LL-28, LL-30, LL-34, LL-40, LL-42, LL-45, LL-61, LL-63, LL-69	Approximately 5-mile 138 kV transmission line from Schauff Road 138 kV switching station to a new 345/138 kV substation on the Cordova-Nelson 345 kV Line ("South Fork").
2014_2-8A	Upgrade	ComEd	0.70	Comed	138	LL	LL-1	Replace relays at Mazon substation
2014_2-8B	Upgrade	ComEd	0.53	Comed	138	LL	LL-28, LL-30, LL-34	Station Upgrades at Rock Falls substation
2014_2-8C	Upgrade	ComEd	10.50	Comed	138	LL	LL-40, LL-42, LL-45	Reconductor 138 kV line 13311 from O9 to Rock Falls (assumes completion of N0610)
2014_2-8D	Upgrade	ComEd	12.20	Comed	138	LL	LL-61, LL-63, LL-69	Reconductor 12.3 miles of 138 kV line 15508 from O29 to Nelson tap
2014_2-8E	Greenfield	ComEd	16.10	Comed	138	LL	LL-28, LL-30, LL-34, LL-40, LL-42, LL-45, LL-61, LL-63, LL-69	Install new 138 kV line from O29 (Schauff Road) to Rock Falls
2014_2-9A	Upgrade	EKPC	1.29	EKPC	161	EKPC Thermal TO Criteria	EKPC-T1, EKPC-T2	Upgrade the Bullitt County 161/69 kV transformer facility.
2014_2-9B	Upgrade	EKPC	0.76	EKPC	138	N1-VD	N1-VD1	Decouple the double-circuited Spurlock - Maysville Industrial Tap 138-kV & Spurlock - Flemingsburg 138-kV line segments.
2014_2-9C	Upgrade	EKPC	N/A	EKPC	69	N2-VD	N2-VD48	Switch on 69-kV capacitor banks (Charters, Peasticks, Hilda) in the Fleming-Mason area after first contingency.
2014_2-9D	Upgrade	EKPC	N/A	EKPC	161	LL-V	LL-V17, LL-V18, LL-V19, LL-V20, LL-V21, LL-V22, LL-V23, LL-V24, LL-V25, LL-V26, LL-V27, LL-V28, LL-V29, LL-V30, LL-V31, LL-V32, LL-V33, LL-V34, LL-V35, LL-V36, LL-V37, LL-V38, LL-V39, LL-V40, LL-V41, LL-V42, LL-V43	Reduce voltage schedule at Cooper plant units by 2% under light load conditions.
2014_2-10A	Greenfield	Nextera Energy Transmission	12.71	Dominion	230	Dominion Thermal TO Criteria	DOM-5	Build a new Duncan 230/115 kV substation, tapping the existing Breomo Bluff - Powhatan 230 kV lines, and reconfiguring the 115 kV four-way tap serving James River, Trices Lake and Cartersville 115 kV substations.
2014_2-10B	Greenfield	Nextera Energy Transmission	6.10	Dominion	115	Dominion Thermal TO Criteria	DOM-5	Build a new 4.5 mile 115 kV line from Breomo Bluff to the four-way tap that serves the James River, Trices Lake, and Cartersville 115 kV substations. Reconfigure the four-way tap so that Trices Lake and Cartersville is served off of NEET's new line.
2014_2-11A	Upgrade	PSEG	8.40	PSEG	230	N2-VD	N2-VD15, N2-VD16, N2-VD17, N2-VD18, N2-VD19, N2-VD20, N2-VD21, N2-VD22, N2-VD23, N2-VD24, N2-VD25, N2-VD26, N2-VD27, N2-VD28, N2-VD29, N2-VD30, N2-VD31, N2-VD32, N2-VD33, N2-VD34, N2-VD35, N2-VD36, N2-VD37, N2-VD38, N2-VD39, N2-VD40, N2-VD41	Add 230 kV Capacitor at Sewaren Switching Station
2014_2-11B	Upgrade	PSEG	47**	PSEG	230	LL-V	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Terminate existing US Steel to Trenton 138 kV at Mercer, and use the old position of the US Steel to Trenton line to create a Mercer to Lawrence 230kV line. **This cost does not reflect the total cost of this project
2014_2-11C	Upgrade	PSEG	71.00	PSEG	230	N2-VD	N2-VD15, N2-VD16, N2-VD17, N2-VD18, N2-VD19, N2-VD20, N2-VD21, N2-VD22, N2-VD23, N2-VD24, N2-VD25, N2-VD26, N2-VD27, N2-VD28, N2-VD29, N2-VD30, N2-VD31, N2-VD32, N2-VD33, N2-VD34, N2-VD35, N2-VD36, N2-VD37, N2-VD38, N2-VD39, N2-VD40, N2-VD41	Convert two 138kV lines from Edison to Brunswick to one 230kV line from Edison to Brunswick
2014_2-11D	Upgrade	PSEG	7.20	PSEG	230	LL-V	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Install 230 kV Reactors and Mercer
2014_2-11E	Upgrade	PSEG	7.20	PSEG	230	LL-V	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Install 230 kV Reactors at Lawrence
2014_2-11F	Upgrade	PSEG	13.40	PSEG	230	LL-V	LL-V6, LL-V7, LL-V8, LL-V9, LL-V10, LL-V11, LL-V12, LL-V13	Install 230 kV Reactors at Mercer and Lawrence
2014_2-12A	Greenfield	NIPSCO	450.00	Comed/MISO	345	LL	LL-1, LL-28, LL-30, LL-34, LL-40, LL-42, LL-45, LL-61, LL-63, LL-69	O09-Oglesby-Pontiac Single Circuit 345 kV and Pontiac-Reynolds Double Circuit 345