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	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION	
1																				
2								\$51,192,146,194.00												
3	In proposal: 15 PWC proposals with maps: 10																			
4	24	PSEG	MAAC zone	Proposal A - North Delta - New Raphael - Waugh Chapel 500kV - Possum Point 500kV substation upgrade		PWC, MD, PA	Patapsco River	\$804,069,843.00	5			2		1	X	6/1/2027	1/1/2024	11/1/2025	41 months	
5	125	PSEG	PSEG zone	Proposal B - North Delta-Northeast 230kV - Possum Point 500kV substation upgrade		PWC, MD, PA	Patapsco River	\$340,750,732.00	7				1		X	3/1/2027	1/1/2024	11/1/2025	38 months	
6	129	Dominion	Dominion zone	Dominion Aggregate 500kV Proposal - Comprehensive pkg of all Dominion Energy solutions for the 500 kV violations identified under the 2027 Summer High Load Growth (HLG) Case scenario of PJM's Data Center Planning Initiative. Package includes the following projects: 516 (Loudoun), 711 (PWC), 692 (Loudoun), 923 (Augusta), #671 (Fauquier-Frederick), 231 (PWC).	9/4 errors in 8/30 map. Map only depicts some impacted substations. Does NOT reflect all NEW substations in the 6 proposals. Does not reflect ANY transmission lines from the proposals.	PWC, Loudoun, Fauquier, Fairfax Co., Augusta, Lexington, Staunton, Spotsylvania, Warren, North Anna, Louisa, Rockbridge, Frederick MD	See others	\$3,177,521,803.00	2,6	1,3	5 (4 in Augusta)	X	X	X	12/1/2027	12/1/2024	12/1/2025	36 months		
7	175	Nextera	Dominion zone	Combination of PEBO 215A + WOP 1F + SOP 8E Combine proposals # 948 (Loudoun), 853 (Loudoun) and 663 (PWC); plus stand-alone scope upgrades to multiple substations as far as NJ. New 500kV and 230kV and upgrades.	9/4 errors in 8/30 map. Map missing Components 5, 6, 7, 8, 9, 11	Loudoun, Fauquier, Warren, Albemarle, Caroline, DEL, NJ	Redacted	\$2,847,311,232.00	12	1,5,12	10,11,12	X	X	X	6/1/2028	9/1/2023	7/1/2025	57 months		
8	231	Dominion	Dominion zone	Reactive Power VAR Reinforcements - Install 230kV/500kV shunt cap banks as well as STATCOMs (dynamic devices) to 21 substations to address reactive power needs of system Includes: Rixlew, Rollins Ford, Youngs Branch, Dawkins Branch substations in PWC.	9/4 errors in 8/30 map. Questions on Rollins Ford. Rixlew, Youngs Branch substations not on map.	PWC, Loudoun, Fauquier, Staunton, Spotsylvania,	Redacted	\$166,884,253.00	5,15,16,21	1,2,3,4,7,8,9,10,12,13,14,20	11,19			NO	12/1/2027	6/1/2025	6/1/2026	30 months		
9	325	PSEG	MAAC	Proposal E - Brambleton-Hinsons Ford Rd 500kV - New 500kV line Brambleton-Hinsons Ford (through Gainesville/Brentsville), New Hinsons Ford-Front Royal reconductor.	9/4 July and 8/30 map differ for Hinsons Ford-Brambleton. Hinsons Ford-Brambleton will cross PWC anywhere between the two points	PWC, Loudoun, Fauquier, Warren, Rappahannock, MD, PA	Patapsco River	\$1,026,627,758.00	9	9	9	3	2	X	6/1/2027	1/1/2024	11/1/2025	41 months		

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10	548	LS Power	Dominion zone	<b>RTEP Window 3 Solution</b> - A large scale set of projects that solve the growing congestion issues in the southern Pennsylvania/northern Virginia/Maryland/West Virginia area. The project involves strategic rebuilds, substation upgrades, and greenfield transmission lines that primarily follow existing corridor. This strategic use of existing corridor greatly reduces the risk of projects being delayed due to opposition. <b>New 500kV line Vint Hill-Front Royal line, new 500 kV UNDERGROUND Goose Creek to Beaumeade line</b>	Underground 500. Front Royal-Vint Hill New 500kV line does NOT follow existing corridor?	PWC, Loudoun, Fauquier, Warren, Frederick MD, WVA, PA, MD	All Redacted	\$3,077,123,844.00	18,22	8,12,16,17,22,24,28,33,36	15,20,22,34	10		X	6/1/2030	1/1/2024	1/1/2027	77 months	
11	577	Nextera	Dominion zone	<b>Front Royal - Racefield, Warrenton - Wheeler, North Anna - Lady Smith - New 500kV line Front Royal, go around Middleburg, to new Racefield substation in Loudoun, multiple 230kV line upgrades - Wheeler to Linton Hall, Linton Hall to Atlantic, Atlantic to Gainesville; multiple 230 or 500kV upgrades to substations</b>	9/4 errors in 8/30 map. Questions on Component 3 & 9. Wheeler-Cedar Hill NEW 230kV missing from map. Map includes Warrenton-Wheeler, not in proposal scope. Where is Cedar Hill component and cost?	PWC, Loudoun, Fauquier, Warren, Caroline, Louisa, Spotsylvania	Middleburg/Rte 50 area, Shenandoah River, Appalachian Trail, Unison Battlefield Area, Lake Anna, 9 "waterbodies"	\$273,272,920.00	3,4,5,10	1,9,14	2,6,13	1	2	1	X	6/1/2027	9/1/2023	7/1/2025	45 months
12	598	Nextera	Dominion zone	<b>Combination of PEBO 220 + WOP 1F + SOP 8E</b> - Various brownfield components required to meet reliability needs. Combination of 385 (PEBO 220 -Loudoun), 853 (WOP 1F - Loudoun) & 663 (SOP 8E - PWC), 500kV and 230kV line and substation upgrades. New 230kV line Warrenton-Rixlew	Component 2 refers to Mars substation as NEW and as Existing - Which is it?	Loudoun, Fauquier, Caroline, Albemarle, Warren, Spotsylvania, DEL, NJ	None called out in components	\$2,291,113,929.00	1	2,3,4	11,12		1	X	6/1/2028	9/1/2023	7/1/2025	57 months	
13	663	Nextera	Dominion zone	<b>Front Royal - Racefield, Warrenton - Rixlew, Warrenton - Hourglass, Mars - Ocean Court - Davis Drive - New 500kV line Front Royal, go around Middleburg, to new Racefield substation in Loudoun, new Warrenton-Rixlew 230kV line</b>	9/4 errors in 8/30 map. Map is missing NEW 230kV Warrenton-Hourglass. Map incorrectly reflects Hourglass in Loudoun Co.	PWC, Loudoun, Fauquier, Warren	Middleburg/Rte 50 area, Shenandoah River, Appalachian Trail, Unison Battlefield Area, Lake Anna, 9 "waterbodies"	\$299,141,792.00	8,9,12,13	1,3,5,6,7,10,11,14	4,8	1	4	1	X	6/1/2027	9/1/2023	7/1/2025	45 months
14	691	Exelon	MAAC zone	<b>MAPP - MidAtlantic Power Pathway - New Possum Point 500kV line to Burches Hill, MD. Cross Potomac River, Choptank River, Chesapeake Bay, Delaware River. Hallowing Point-Mission underground, submarine Chesapeake Bay and Choptank.</b>	Underground 500kV, Submarine 500kV	PWC, MD, PA, DEL, NJ	Chesapeake Bay, Choptank River, Delaware River, Potomac River	\$2,232,702,373.00	2,8			2	1	1	R?	12/1/2030	2/1/2024	12/1/2024	82 months

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15	711	Dominion	Dominion zone	<b>Regional Solution - 500 kV North Anna-Wishing Star Upgrades - 3 new 500kV lines</b> (North Anna-Spotsylvania-Vint Hill-Wishing Star, Spotsylvania-Vint Hill, Vint Hill-Wishing Star); <b>17 line rebuilds to 500kV; 16 substation upgrades most 500kV.</b> 10 500kV line upgrades routing through PWC; 5 500kV upgrades to substations in PWC. New Vint Hill-Wishing Star 500kV lines routes through PWC.	9/4 errors in 8/30 map. Racefield substation not called out as greenfield in Component?	PWC, Loudoun, Fauquier, Fairfax Co, Warren, North Anna, Spotsylvania, Louisa	Cedar Run, Broad Run, Bull Run	\$1,315,021,919.00	7,8,11,12,15,19,20,21,22,23,24,26,30,31,42	4,8,11,13,14,16,17,20,28,32,35,36,37,41	7,8,10,11,18,19,22,25,26,27,34,40	3		X	NO	12/1/2027	12/1/2024	6/1/2025	36 months
16	766	Nextera	Dominion zone	<b>Front Royal - Racefield, Warrenton - Wheeler - New 500kV line Front Royal, go around Middleburg, to new Racefield substation in Loudoun, new 500kV line North Anna-Spotsylvania-Vint Hill-Wishing Star, Linton Hall-Atlantic 230kV upgrade, Atlantic to Gainesville 230kV upgrade</b>	9/4 errors in 8/30 map. Questions on Component 3 & 9. Wheeler-Cedar Hill NEW 230kV missing from map. Map includes Warrenton-Wheeler, not in proposal scope. Where is Cedar Hill component and cost?	PWC, Loudoun, Fauquier, Warren, Spotsylvania	Middleburg/Rte 50 area, Shenandoah River, Appalachian Trail, Unison Battlefield Area, Lake Anna, 9 "waterbodies"	\$253,093,012.00	3,4,5,7,10	1,9,11,13	2,6,12	2	1	1	X	6/1/2027	9/1/2023	7/1/2025	45 months
17	904	Transource	AEP/Dominion	<b>Joshua Falls - Yeat 765kV Greenfield Line and Substation - New 765kV single line</b> Joshua Falls to new Yeat substation (135 miles) in Fauquier, new 230kV line Warrenton-Wheeler, new Yeat-Clover Hill 230kV, 230kV upgrades Wheeler, Linton, Atlantic		PWC, Loudoun, Fauquier, Fairfax, Amherst, Albemarle, Buckingham, Campbell, Culpeper, Fluvanna, Louisa, Nelson, Orange, Spotsylvania, Bedford, Smyth, Washington, Saltville, WVA	James River (6X), Buffalo River, Tye River, Rockfish River, Hardware River, Rivanna River, South Anna River, Rapidan River, Rappahannock River, Kettle Run, Broad Run, Lake Manassas	\$1,220,485,415.00	4,5,9,11		1,2,3,4,5,6,7,8,10	1 (765kV), 2	2	1 (765kV)	X	12/1/2029	9/1/2023	4/1/2027	75 months
18	977	Transource	Dominion	<b>Yeat 500/230kV Greenfield Station - New 230kV line Yeat-Clover Hill line; new 230kV Warrenton-Wheeler line, new 230 kV Yeat substation (Fauquier), new reactor Vint Hill</b>	What is ROW impact from Bristers-Ox and Meadow Brook-Vint Hill tie-in lines to PWC?	PWC, Loudoun, Fauquier, Fairfax, Rappahannock	Kettle Run, Broad Run, Cedar Run, Lake Manassas	\$261,278,527.00	2,4,8		1,2,3,4,5,6,7,9	2	2	1	X	6/1/2027	12/1/2023	11/1/2025	42 months
19								\$19,586,399,352.00											
20																			
21	<b>Loudoun proposals with maps: 9 (PWC NOT in these proposals)</b>																		

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1																				
22	23	First Energy	Dominion zone	<b>Data Center Reinforcement Proposal #2</b> - (Old PATH) Two new 500kV lines PA/W.VA-Doubs-Goose Creek, multiple sustation upgrades and line rebuilds. Robust, expandable transmission solution to address Window 3 violations. Ensure PJM system safely and reliably accommodate future load growth. Review in conjunction with 129 (PWC) and 660 (Loudoun)_Crosses Monongahela National Forest, State Park Land, C&O Canal National Park (and parallels it), Youghiogheny River (state scenic river), Shenandoah River, Potomac River, Monocacy River, Appalachian Trail, Dickerson Conservation Park. Addresses P5 contingencies at Junction substation. Multiple condemnations.	<u>Is there an eventual plan afoot within PJM and TO providers to extend a NEW 765kV line from the NEW Yeat substation in Fauquier VA (Transource 904) to an upgraded Aspen 765kV substation in Loudoun VA??</u> Junction substation missing from map.	Loudoun, Frederick, Md, WVA, PA, MD	Substation upgrades don't name streams or wetlands needing mitigations; 14 WVA, VA, MD Rivers (not named), Youghiogheny state scenic River, C&) Canal National Park, 9 wetlands, 5 parks, Shenandoah River, Potomac River, Appalachian Trail, Monongahela National Forest and State Park Land, Dickerson Conservation Park, Monocacy River	\$3,976,547,533.00		16,17		5			X	6/1/2030	10/1/2023	10/1/2027	80 months	
23	28		MAAC zone	<b>Hunterstown - Doubs - Audobon - Goose Creek</b> 5 new 500kV lines: incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford - 10C2). New Black Oak-Gore-Goose Creek 500kV line, new Hunterstown-Doubs-Goose Creek 500kV line, new 500kv substations, 500kV expansions of Doubs substation. new Pike Goose Creek 500kV line affecting Beverly historic district. Cross Potomac, North, Shenandoah Rivers	Waterford. Gore substation is missing from map. NEW Woodside (or Pike)-Goose Creek 500kV line missing from map.	Loudoun, Frederick MD, WVA, PA, MD	Potomac River, Catoclin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$956,545,705.00		1,4, 9,11		6	1		X	6/1/2027	9/1/2023	7/1/2025	45 months	
24	116		Dominion zone	<b>Hunterstown - Doubs - Gant Solution</b> - New Gant 500/230 kV substation, New Hunterstown-Doubs - Gant 500 kV line, plus plus Belmont, Farmwell, Roundtable substation 230kV expansions, new 230kV lines Cochran Tap to Roundtable and Gant to Farmwell. Crosses Potomac River, Catoclin Mountain.	Map incorrectly show Grant for Gant. NEW Cochran Tap-Roundtable 230kV line missing from map.	Loudoun, Frederick MD, MD, PA	Potomac River, Catoclin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$512,406,125.00		3,4,5,6,7,8,9		2	2	2	X	6/1/2027	9/1/2023	7/1/2025	45 months	

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25	255	Nextera	Dominion zone	<b>Hunterstown - Dobs - Gant Solution</b> - New Gant 500 kV substation, New Hunterstown - Dobs - Gant 500 kV line, new 500kV Dobs-Gant line, Hunterstown 500kV expansion, Crosses Potomac and Monocacy Rivers.		Loudoun, Frederick MD, MD, PA	Potomac River, Catoclin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$441,553,921.00		2,4		2		1	X	6/1/2027	9/1/2023	7/1/2025	45 months
26	279	Nextera	Dominion zone	<b>Black Oak - Woodside - Goose Creek, Woodside SVC + Cap Banks Solution</b> - 3 new 500kV lines, incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C2), 500Kv expand Goose Creek substation, new 500kV substation. Crosses Potomac, North, and Shenandoah Rivers. Capon Chapel within 1000' of transmission tower. Crosses Appalachian Trail.	Waterford	Loudoun, WVA, Frederick Co, VA, Frederick MD, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$296,366,167.00		1,3,4		3		1	X	6/1/2027	9/1/2023	7/1/2025	45 months
27	347	Nextera	Dominion zone	<b>Black Oak - Woodside - Gant, Woodside SVC + Cap Banks</b> - New Woodside 500/138 kV substation + SVC + Cap Banks, new Black Oak - Woodside - Gant 500 kV line, Gant 500 kV substation. Affecting Waterford 10C3. Crosses branches of the Potomac River and North River. One historic structure, the Capon Chapel, was identified within 1,000' of the transmission line. Crosses the Appalachian Trail.	Waterford	Loudoun, WVA, Frederick Co, VA, Frederick MD, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$519,089,894.00		2,6,7		3		2	X	6/1/2027	9/1/2023	7/1/2025	45 months

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1																				
28	385		Dominion zone	<u>New 500/230kV Bartholow substation, new 500/230kV North Delta substation, new 230kV Grisham switchyard, new 500/230kV Goram substation</u> - 7 new transmission lines: 2 500kV, 5 230kV; 4 new substations	<u>Underground 230.</u> Missing from map: Brighton substation and Conastone-Brighton 500kV upgrade (Component 19)	Loudoun, MD, PA	Potomac River, Chesapeake & Ohio National Historic Park, Sugarloaf Mountain Historic Landmark, 42 waterbodies, Appalachian Highlands	\$1,238,657,537.00		9,10		2	5	4	X	6/1/2028	9/1/2023	7/1/2025	57 months	
29	419	Nextera	Dominion zone	<u>Hunterstown - Doubs - Audobon - Goose Creek</u> Doubs-Audobon: the Potomac River, <u>transitions underground to reduce viewshed impacts at the Potomac river crossing</u> , which is planned to be a horizontal directional drill (HDD) crossing on the east side of the Leesburg Water Treatment Plant. The line remains underground for about 2 miles. The line is planned to HDD under the Harry Byrd Hwy, to avoid major traffic impacts, before transitioning back overhead. New 500kV Audobon-Goose Creek: Starting at the new Audobon substation the line routes underground due to heavily developed area constraining overhead construction of the new 500kV line. The line routes underground west along the Gloucester Pkwy ROW, turns southwest at Smith Switch Rd, and then shifts north east at the Washington and Old Dominion Trail. At the intersection of Belmont Ridge Rd and Gloucester Pkwy, the line shifts to overhead construction and routes northwest to Cochran Mill Rd. The line then follows Cochran Mill Rd ROW for about 0.5 miles until terminating at the Goose Creek substation. Cross Monocacy River.	Underground 500	Loudoun, Frederick MD, PA, MD	Potomac River, Catoctin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$587,014,504.00		3,4,5,6,7,9,10,11,12,13		3	3	1	X	6/1/2027	9/1/2023	7/1/2025	45 months	

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30	445	Nextera	Dominion zone	<p><u>Muddy Creek / Delta - Conastone / Hunterstown - Doubs - Goose Creek Solution</u> - 2 new 500kv lines, new substations, rebuilds. Approximately 20% of the new Doubs-Goose Creek 500kV route will be <b>underground in narrower and congested areas where overhead construction was considered not feasible.</b> Where underground transmission line segments are not sited by permits issued by the Authority Having Jurisdiction, a 25 ft wide right of way would be required for construction. until the Potomac River, where it transitions underground to reduce viewshed impacts at the river crossing, which is planned to be a horizontal directional drill (HDD) crossing on the east side of the Leesburg Water Treatment Plant. The line again co-locates with the existing transmission ROW and remains underground for about 3 miles until reaching the existing Goose Creek substation where it will transition to overhead and then terminate into the bus expansion. The line is planned to HDD under the Harry Byrd Hwy, to avoid major traffic impacts. Cross Monocacy River.</p>	Underground 500	Loudoun, Frederick MD, PA, MD	Potomac River, Catoclin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$698,934,227.00		2,9		3	2	4	X	6/1/2027	9/1/2023	7/1/2025	45 months
31	487	Transource	MAAC zone	<p><u>Maryland &amp; Pennsylvania Baseline Reliability Solution</u> - NEW 230kV line Rice-Ringgold, New 500kV substation Furnace Run, PA; multiple substation upgrades 115kV -&gt;500kV</p>		Loudoun, Warren, Frederick MD, MD, PA, WVA	None called out in redacted info provided	\$553,046,011.00		10,25			1	2	X	3/1/2027	7/1/2023	3/1/2025	44 months
32	516	Dominion	Dominion zone	<p><u>Interregional solution- Aspen-Doubs Second 500 kV Line - New 500kV Aspen-Doubs, multiple line rebuilds, Hamilton</u> substation reset, Ox (Occoquan) substation breaker replacement</p>	<p><u>Why is 765kV in map legend? - Aspen? Maps dated 8/30/23 for FE 23 and 837 showed Aspen as 765kV Greenfield substation. Aspen 765kV is not in any proposal scope.</u></p>	Loudoun, Fairfax Co, Frederick MD	Hamilton, Goose Creek	\$66,105,092.00		1,2,3,4,5,6,7,8,9,10,11,13,14				X	12/1/2027	6/1/2025	6/1/2026	30 months	

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33	564	Nextera	MAAC/Dominion zone	<u>New 500/230kV Bartholow substation, new 500/230kV North Delta substation, new 230kV Grisham switchyard, new 500/230kV Goram substation</u> - 7 new transmission lines: 2 500kV, 5 230kV; 4 new substations. New 230kV line from new Bartholow to new Grisham <b>partially underground</b> under the Potomac River until Crosstrail and Rte. 7. Crosses Potomac, C&O National Historic Park. Adjacent to Sugarloaf Mtn. Historic Landmark.	<u>Underground 230</u>	Loudoun, MD, PA	Potomac River, Chesapeake & Ohio National Historic Park, Sugarloaf Mountain Historic Landmark, 42 waterbodies, Appalachian Highlands	\$947,353,571.00		16,17		2	6	4	X	6/1/2028	9/1/2023	7/1/2025	57 months
34	600	Exelon	PECO zone	<u>Exelon Replacement Upgrades</u> - Replace overloaded assets. Edwards Ferry-Dickerson Station in Loudoun, the rest in MD & PA: Brighton Otter Creek. Potomac crossing VA-MD line - Component 21 & 27. This proposal focuses primarily on replacing overloaded assets within PECO, BGE, and PEPCO on an asset-by-asset basis (e.g. reconductoring existing lines, replacing terminal equipment, etc.). These 500kV and 230kV upgrades will provide incremental transmission capacity throughout the Exelon MidAtlantic territory and each upgrade within this proposal can be additive to both Exelon MidAtlantic and non-Exelon MidAtlantic proposals that PJM may be considering. The Replacement Upgrades require no new right-of-way.		Loudoun, MD, PA	Potomac River, No other locations included in redacted information	\$457,896,831.00		21,22,26,27					?R	12/1/2027	1/1/2024	3/1/2025	47 months
35	642	Nextera	Dominion zone	<u>502 Junction - Black Oak - Woodside - Gant. Woodside SVC + Cap Banks, Gant - Farmwell, Cochran Tap - Round Table</u> - 4 new 500kV lines, incl. new Woodside (new W.Va)-Goose Creek <b>500kV line (affecting Waterford 10C3)</b> , 2 new 500kV substations. Crosses Potomac, North, and Monongahela Rivers and Cheat Lake. Capon Chapel within 1000' of transmission tower. Crosses Appalachian Trail.	Waterford	Loudoun, WVA, Frederick Co, VA, Frederick MD, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$803,194,774.00		2		4	2	2	X	6/1/2027	9/1/2023	7/1/2025	45 months



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36	660	Exelon	MAAC zone	<u>West Cooper BGE-PEPCO</u> - 3 new 500kV lines, incl. Goose Creek-Doubs, line and substation rebuilds. BGE and PEPCO portions of West Cooper Solution (Exelon-full solution).	Map has High Ridge substation in two places on the same map - one in MD near Brighton and the other on the MD-PA border. Only the location near Brighton MD is correct.	Loudoun, Frederick MD, PA, MD	Potomac River, No other locations included in redacted information	\$1,223,353,876.00		10,19,22		5	2	2	X	12/1/2030	2/1/2024	2/1/2024	82 months
37	676	Nextera	Dominion zone	<u>Black Oak - Stonewall - Gant, Stonewall SVC + Cap Banks, Gant - Farmwell, Cochran Tap - Round Table Solution</u> - 3 new 500kV lines, incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C3), 2 new 500kV substations. Crosses Potomac and North River. Capon Chapel within 1000' of transmission tower. Crosses Appalachian Trail.	Waterford	Loudoun, WVA, Frederick Co, VA, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$591,487,436.00		2		3	2	2	X	6/1/2027	9/1/2023	7/1/2025	45 months
38	685	Nextera	Dominion zone	<u>Ft. Martin - Black Oak - Woodside, Woodside SVC + Cap Banks Solution</u> - 4 new 500kV lines, incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C2), 1 new 500kV substation	Waterford	Loudoun, WVA, Frederick Co, VA, Frederick MD, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$655,036,501.00		1,3,4		2		1	X	6/1/2027	9/1/2023	7/1/2025	45 months
39	692	Dominion	Dominion zone	<u>Data Center Alley Local solution - New 500 kV/230 kV Aspen-Golden &amp; Golden-Mars lines</u> - 3 new 500kV lines incl. Brambleton-Aspen, Golden, Mars, new 500kV substations, upgrade multiple substations. "Robust, holistic, expandable solution to address needs in the NoVa Data Center Alley." Lines cross Goose Creek, Broad Run	Map calls out Mars as Greenfield 500kV - proposal Component 19 is upgrade. New ROW for Aspen-Goose Creek - no details provided	All in Loudoun	Goose Creek, Broad Run	\$1,060,579,078.00		1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32		2	2	2	X	12/1/2027	12/1/2024	12/1/2025	36 months

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	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
40	719	Nextera	Dominion zone	<u>Ft. Martin - Black Oak - Pike, Pike SVC + Cap Banks Solution</u> - 4 new 500kV lines, incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C2)	Waterford	Loudoun, Frederick Co VA, WVA	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$645,460,272.00		1,3,4		4		1	X	6/1/2027	9/1/2023	7/1/2025	45 months
41	728	Nextera	Dominion zone	<u>Barnhart Substation, Bartholow Substation, Barnhart - Bartholow - Goose Creek solution</u> - New 500kV Barnhart-Bartholow-Goose Creek, New Bartholow 500kV switchyard, new Barnhart substation. Crosses 9 national wetland inventory wetlands and 33 waterbodies. Cross Potomac River, including Chesapeake & Ohio National Historic Park. <u>Underground partial</u> Bartholow-Goose Creek.	Underground 500	Loudoun, MD	Potomac River, C&O National Historic Park, Sugarloaf Mountain Historic Landmark	\$414,408,281.00		1,3		2		2	X	6/1/2027	9/1/2023	7/1/2025	45 months
42	741	PSEG	MAAC zone	<u>Proposal G - Peach Bottom-New Brandon Shores 500kV; Peach Bottom-Doubs 500kV</u> - Belmont, Doubs-Conastone-Peach Bottom, Waugh Chapel-Peach Bottom. 2 new 500kV lines, 1 new 500 kV substation. Impacts to Patapsco River, Chesapeake?		Loudoun, Frederick MD, MD, PA	None called out in redacted info provided	\$1,166,518,086.00		10		2		1	X	6/1/2028	1/1/2024	11/1/2025	53 months
43	837	First Energy	APS zone	<u>Data Center Reinforcement Proposal #1</u> -(old PATH) Four new 500kV lines PA/W.VA-Doubs-Goose Creek, multiple sustation upgrades and line rebuilds. 'Robust, expandable transmission solution to address Window 3 violations. Ensure PJM system safely and reliably accommodate future load growth. Review in conjunction with 129 (PWC) and 660 (Loudoun)_Crosses Monongahela National Forest, State Park Land, C&O Canal National Park (and parallels it), Youghiogheny River (state scenic river), Shenandoah River, Potomac River, Monocacy River, Appalachian Trail, Dickerson Conservation Park. Addresses P5 contingencies at Junction substation. Multiple condemnations.	<u>Is there an eventual plan affot within PJM and TO providers to extend a NEW 765kV line from the NEW Yeat substation in Fauquier VA (Transource 904) to an upgraded Aspen 765kV substation in Loudoun VA??</u> Junction substation missing from map	Loudoun, Frederick Md, WVA, PA, MD	Substation upgrades don't name streams or wetlands needing mitigations; 14 WVA, VA, MD Rivers (not named), Youghiogheny state scenic River, C&) Canal National Park, 9 wetlands, 5 parks, Shenandoah River, Potomac River, Appalachian Trail, Monongahela National Forest and State Park Land, Dickerson Conservation Park, Monocacy River	\$3,400,292,159.00		16,17		4	2		X	6/1/2030	10/1/2023	10/1/2027	80 months

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	PJM PROPOSALS -	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(S) &/or STATE(S) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
1	72																		
44	846	Nextera	Dominion zone	<p><b>Hunterstown - Doubs - Goose Creek, Black Oak Woodside - Goose Creek, Stonewall SVC + Cap Banks</b> - 5 new 500kV lines, incl. new 500kV Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C2), multiple 500kV substation expansions. Doubs-Goose Creek <b>partial underground</b> transitions underground to reduce viewed impacts at the river crossing, which is planned to be a horizontal directional drill (HDD) crossing on the east side of the Leesburg Water Treatment Plant. The line again co-locates with the existing transmission ROW and remains underground for about 3 miles until reaching the existing Goose Creek substation where it will transition to overhead and then terminate into the bus expansion. The line is planned to HDD under the Harry Byrd Hwy, to avoid major traffic impacts. Under Potomac River.</p>	Waterford, Underground 500. Map is missing 2nd NEW Woodside(or Pike) Goose Creek 500kV line (Component 1)	Loudoun, Frederick Co. VA, Frederick MD, WVA, PA	Potomac River, Catoctin Mountain, Monocacy River, Appalachian Mountains, W&OD Trail, Belmont and Ashburn Presbyterian Church, Potomac Heritage National Scenic Trail, C&O National Historic Park, Muddy Creek, Waterford Historic District, North River, Shenandoah River, Millville Dam, Beverly Historic District, Capon Chapel	\$966,121,934.00		1,4,9,11		6		3	X	6/1/2027	9/1/2023	7/1/2025	45 months
45	853	Nextera	Dominion zone	<p><b>502 Junction - Black Oak - Woodside - Gant, Woodside SVC + Cap Banks</b> - 4 new 500kV lines, incl. new 500kV Woodside (W.Va)-Goose Creek line (affecting Waterford 10C3), 2 new 500kV substations and other 500kV substation expansions</p>	Waterford	Loudoun, WVA, Frederick Co. VA, Frederick MD, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$730,797,212.00		2		4		3	X	6/1/2027	9/1/2023	7/1/2025	45 months
46	858	Transource	Dominion zone	<p><b>Stork - Flvs 500kV Greenfield Line and Substations</b> - New <b>underground 500kV Stork to Flvs line</b>, new 500kV Stork and Flvs substations, multiple 230kV line rebuilds and substation upgrades. No justification for proposal provided.</p>	Underground 500	All Loudoun	Beaverdam Creek?, Broad Run	\$592,564,487.00		1,2,3,4,5,6,7,8,9,10,11		1		2	X	12/1/2027	12/1/2023	4/1/2025	48 months
47	948	Nextera	Dominion zone	<p><b>New 500/230kV Bartholow substation, new 500/230kV North Delta substation, new 230kV Grisham switchyard, new 500/230kV Goram substation, and Keeney to Waugh Chapel tie-in.</b> Crosses Potomac River, C&amp;O National Historic Park, adjacent to Sugarloaf Mtn Historic Landmark, Chesapeake and Delaware Canal and Chesapeake Bay. 7 new transmission lines - 2 500kV. 4 new substations. Multiple rebuilds, upgrades.</p>	Underground 230	Loudoun, MD, PA	Elixir Farm, Potomac River, Chesapeake & Ohio National Historic Park, Sugarloaf Mountain Historic Landmark, Chesapeake and Delaware Canal, Chesapeake Bay	\$1,724,434,379.00		10,11		2	7	4	X	6/1/2028	9/1/2023	7/1/2025	57 months

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	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
48	951	Nextera	Dominion zone	<b>Black Oak - Gore - Goose Creek, Pike SVC + Cap Bank Solution</b> - 3 new 500kv lines, incl. new 500kv Woodside (new W.Va)-Goose Creek line (affecting Waterford 10C2), new Pike 500kv substation, new Pike-Goose Creek 500kv line affecting Beverly historic district. Cross Potomac, North, Shenandoah Rivers	Waterford	Loudoun, Frederick Co. VA, WVA, MD	Potomac River, North River, Capon Chapel, Appalachian Mountains, Shenandoah River, Millville Dam, Appalachian Trail, Waterford Historic District, Belmont & Ashburn Presbyterian Church, Monongahela River, Cheat Lake "An investigation to further identify and evaluate historic properties will be conducted to determine the presence of archaeologically or historically significant resources"	\$448,962,117.00		1,3,4		3		1	X	6/1/2027	9/1/2023	7/1/2025	45 months
49	962	PSEG	MAAC/Dominion zone	<b>Proposal H - Peach Bottom-Doubs 500kV (Circuits #1 and #2)</b> - 2 new 500kV lines, Pleasant View-Goose Creek-Doubs-Peach Bottom, upgrade 4 lines to 500kV, upgrade substations		Loudoun, Frederick MD, MD, PA	None called out in redacted info provided	\$1,071,041,738.00		2,11,12		2			X	6/1/2028	1/1/2024	11/1/2025	53 months
50								\$26,745,769,448.00											
51																			
52	<b>fax County proposals with maps: 2 (PWC &amp; Loudoun NOT in these proposals)</b>																		
53	229	PSEG	PSEG zone	<b>Proposal C - Hunterstown-New Green Valley 500kV</b> - Ox (Occoquan) substation upgrade 500kV breaker to 50kA		Fairfax Co, Frederick MD, MD, PA	No details provided in redacted info	\$575,395,120.00				1	1	1	X (230kV)	6/1/2027	11/1/2025	1/1/2024	41 months
54	637	PSEG	PSEG/APS zone	<b>Proposal D-Conastone-Doubs 500kV</b> - Upgrade Ox substation (Occoquan) to 500kV		Fairfax Co, Frederick MD, PA, MD	No details provided in redacted info	\$320,064,281.00				1	1		X (230kV)	6/1/2027	1/1/2024	11/1/2025	41 months
55								\$895,459,401.00											
56																			
57	<b>er County proposals with maps: 2 (PWC, Loudoun &amp; Fairfax NOT in these proposals)</b>																		
58	671	Dominion	Dominion zone	<b>Lines #541 (Front Royal to Morrisville) Rebuild</b> - Morrisville-Front Royal - Rebuild 47 miles. Rebuilding approximately 47 miles of the transmission line from Front Royal to Morrisville substation to current 500 kV standards. The line will cross three railroads, I-66, John Marshall Highway, Lee Highway, and Route 15 and will cross the Shenandoah River, Rappahannock River, and the Appalachian Trail		Fauquier, Warren	Shenandoah River, Rappahannock River, Appalachian Trail	\$320,266,203.00				1,3			NO	6/1/2028	6/1/2025	6/1/2028	36 months
59								\$320,266,203.00											
60																			
61	<b>PROPOSALS - 26</b>																		

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	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
62	9	AEP	AEP/Dominion zone	<b>Scottsville-Bremo Sag Study 138kV.</b> "...to identify and mitigate any clearance issues in order to operate at or above the identified line loadings	Steel lattice line originally installed in the 1940s-1950s	Albemarle, Fluvanna	Redacted	\$1,272,634.00							X	11/1/2026	1/1/2024	10/1/2025	34 months
63	30	Dominion	Dominion zone	<b>Charlottesville - Hollymead Line # 2054 Rebuild</b> - Dooms. 230kV. Upgrading line #2054, causes an overload on lines #233 and #291 under Summer Generator Deliverability study for the loss of line #553. This overload can happen by adding some new loads in Louisa area as well. By wrecking and rebuilding lines #233 and #291 using (2) 768.2 ACSS/TW (20/7) "MAUMEE" conductor with 3948A ampacity, 1573MVA, and upgrading the ratings of substation equipment at Charlottesville, Crozet, Barracks Rd, Hydraulic Rd and Dooms, the overload is mitigated. Crosses Rivanna River, Mechums River, and both the Shenandoah National Park and the Appalachian Trail.	230kV rebuild	Augusta, Albemarle, Charlottesville	Rivanna River, Shenandoah National Park, Appalachian Trail	\$171,218,806.00							NO	12/1/2027	6/1/2025	6/1/2026	30 months
64	55	AEP	AEP zone	<b>Boxwood-Scottsville 138 kV Rebuild</b> - increase the emergency rating above the identified thermal overloads. Replaces towers originally installed in the 1940s and 1950s.	Replaces towers originally installed in the 1940s and 1950s	Fluvanna, Albemarle, Amherst	Redacted	\$104,876,322.00							X	6/1/2027	1/1/2024	7/1/2026	41 months
65	74	Dominion	Dominion zone	<b>Line #2090 (Ladysmith CT - Fredericksburg) Rebuild</b> - Fredericksburg-Ladysmith 230kV	The existing structures consist of mostly wood type SC 2 poles built in 1991. The existing structures will be replaced with new steel monopoles for this line rebuild. Upgrades to 230kV 4000A	Fredericksburg, Stafford, Caroline	Matta River, Po River, Ni River	\$61,412,965.00							NO	12/1/2027	6/1/2025	12/1/2026	30 months
66	181	AEP	AEP zone	<b>Boxwood-Scottsville 138 kV Sag Study</b> - Perform sag study remediation on the Boxwood-Scottsville 138 kV line to increase the emergency ratings	Replaces towers originally installed in the 1940s and 1950s	Amherst, Albemarle, Fluvanna	Redacted	\$4,260,557.00							X	11/1/2026	1/1/2024	10/1/2025	34 months
67	196	AEP	AEP zone	<b>Glen Lyn-Peters Mountain Rebuild</b> - Rebuild the double circuit 138kV line from Glen Lyn station to Peter Mountain station at roughly 3.6 miles. The current line from Glen Lyn to Peters Mountain is sag derated to 205 MVA in the Summer case. To mitigate the overload, the Summer emergency rating needs to be 214 MVA or above. Addresses towers that were originally installed in 1951.		Giles, Albemarle	New River	\$21,889,828.00							X	4/1/2027	1/1/2024	8/1/2026	39 months

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68	202	AEP	AEP zone	<b>Cloverdale Transformer Addition</b> - AEP proposes to establish a new 500/345 kV, 1500 MVA transformer and a new breaker string consisting of two new 500 kV circuit breakers, located in the Cloverdale 500 kV yard.		Botetourt	Redacted	\$57,285,348.00							NO	10/1/2026	1/1/2024	2/1/2026	33 months
69	211	Dominion	Dominion zone	<b>Hollymead - Gordonsville Line # 2135 Rebuild</b> - Hollymead-Gordonsville	Existing hardware installed in 2014. Existing structures shall be removed, and new structures will be used for the rebuild. 500kV rebuilds.	Albemarle, Gordonsville VA	Rivanna River	\$58,748,912.00							NO	12/1/2027	6/1/2025	12/1/2026	30 months
70	217	Nextera	Dominion zone	<b>North Delta - Conastone Solution</b> - 1 new 500kV line and 1 new 500 kV substation.		MD, PA	Susquehanna River, Monocacy River	\$166,799,317.00				1	1	X	6/1/2027	9/1/2023	7/1/2025	45 months	
71	234	AEP	AEP zone	<b>Glen Lyn-Peters Mountain Sag Study</b> - Sag study the 138kV circuit from Glen Lyn station to Peter Mountain station at roughly 3.6 miles. The current line from Glen Lyn to Peters Mountain is sag derated to 205 MVA in the Summer case. To mitigate the overload, the Summer emergency rating needs to be 214 MVA or above. Existing structures are double circuit lattice steel towers AGE: ~70+ years (1951 vintage)		Giles, Albemarle	New River	\$802,651.00							NO	6/1/2026	1/1/2024	10/1/2025	29 months
72	344	Exelon	PECO zone	<b>PECO Expansion Plan for DOM Window 2023</b> - 4 new 500kV lines, multiple substation upgrades	Structures to be rebuilt vary between 13, 27, and 52 years old	PA, MD	Redacted	\$360,816,047.00				5	2	1	X	12/1/2029	1/1/2024	11/1/2025	71 months
73	374	PPL	PPL zone	<b>Otter Creek - Conastone 500 and 230 kV DCT Line</b> - Conastone-Otter Creek, Peach Bottom-Three Mile Island - 1 new 500kV line, 1 new 500kV substation		MD, PA	Redacted	\$171,261,451.00						1	X	5/1/2027	10/1/2023	1/1/2026	43 months
74	410	AEP	AEP zone	<b>Cloverdale 500kV Breaker Reconfiguration</b> : establish a new 500 kV breaker position for the low-side of the existing 765/500 kV transformer at Cloverdale Station. The new position will be between two new 500 kV circuit breakers located in a new breaker string, electrically converting the 500 kV yard to "double-bus double-breaker" configuration.		Botetourt	Redacted	\$11,590,271.00							NO	10/1/2026	1/1/2024	2/1/2026	33 months

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1	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
75	477	AEP	AEP zone	<b>Fieldale-Franklin Rebuild 138kV</b> , 138kV Rebuild: The Fieldale-Franklin line section is associated with the larger Roanoke-Carolina 138 kV line asset, which has identified physical condition needs, described in Need AEP-2023-AP015. The rebuild will eliminate all physical condition issues between Fieldale and Franklin substations with a newly rebuilt line section	The existing double circuit lattice steel line between Fieldale 138kV and Franklin 138kV was placed into service in 1926. All of the originally installed materials are well beyond their intended useful life.	Habersham, Franklin	Redacted	\$74,887,399.00							X	6/1/2027	1/1/2024	7/1/2026	41 months
76	524	AEP	AEP zone	<b>Opossum Creek and New London Reactors</b> - Install a 5% reactor at Opossum Creek on the Opossum Creek-Redeye 138 kV line and a 5% reactor at New London on the New London-Altavista 138 kV line. Assume property (farmland) adjacent to station is available for purchase.		Lynchburg, Bedford	Redacted	\$8,862,826.00							X	6/1/2027	1/1/2024	1/1/2026	41 months
77	530	Nextera	Dominion zone	<b>Muddy Creek / North Delta - Conastone Solution</b> - New Muddy Creek 230 kV switchyard, New Muddy Creek - Conastone / Graceton 230 kV lines, New North Delta 500 kV switchyard, New North Delta - Conastone 500 kV line, plus various modifications to existing lines and substations.		MD, PA	Susquehanna River, Monocacy River	\$178,444,134.00				1	2	1	X	6/1/2027	9/1/2023	7/1/2025	45 months
78	537	AEP	AEP zone	<b>Fieldale-Franklin Sag Study</b> - The existing double circuit lattice steel line between Fieldale 138kV and Franklin 138kV was placed into service in 1926. Sag clearance study to increase the summer emergency rating above the reported loadings for the Fieldale-Thornton and Thornton-Franklin line sections. Preliminary review using existing LiDAR data for that line recommends replacement of ferrous clamp hardware at each structure	All of the originally installed materials are well beyond their intended useful life.	Habersham, Franklin	Redacted	\$30,187,138.00							NO	11/1/2026	1/1/2024	10/1/2025	34 months
79	606	PPL	PPL zone	<b>Juniata-Lewistown</b> - Construct a new 32-mile Juniata - Lewistown 230 kV # 2 line by utilizing the existing brownfield 69 kV line route between Juniata and Mifflintown, and then building a greenfield line from Mifflintown to Lewistown. Build a new 2 breaker bay in the double bus double breaker Juniata 230 kV yard. Cross the following smaller waterways: (1) Juniata River (2) Markee Creek (3) East Licking Creek.	The line is a combination of aging wood and steel pole infrastructure	PA	Juniata River, Markee Creek, East Licking Creek	\$149,315,981.00					1		X	3/1/2028	10/1/2023	8/1/2025	53 months

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1	PJM PROPOSALS - 72	PROPOSER	ZONE	MAJOR DETAILS	NOTES	VA COUNTY(s) &/or STATE(s) IMPACTED	Waterway/Park/Historical Community Impacted	TOTAL PROPOSAL COST	PWC COMPONENT #	LOUDOUN COMPONENT #	FAUQUIER COMPONENT #	NEW 500kV TRANSMISSION LINE(S)	NEW 230kV Transmission Line(s)	NEW 500kV SUB/SWITCHING STATION(S)	NEW ROW/AQUIRE LAND	IN-SERVICE DATE	CAP SPEND START	CONSTRUCTION START	DURATION
80	629	AEP	AEP zone	<b>Scottsville-Bremo Rebuild</b> - Rebuild the 7.5 mile long portion of the AEP-owned section of the Scottsville-Bremo 138 kV line. Existing structures are 1940-1950s vintage double circuit lattice towers.	Steel lattice line originally installed in the 1940s-1950s	Albemarle, Fluvanna	Redacted	\$31,305,962.00							X	6/1/2027	1/1/2024	7/1/2026	41 months
81	631	Nextera	Dominion zone	<b>Muddy Creek / North Delta - Conastone Solution</b> - New Muddy Creek 230 kV switchyard, New Muddy Creek - Conastone / Graceton 230 kV lines, New North Delta 500 kV switchyard, New North Delta - Conastone 500 kV line, plus various modifications to existing lines and substations		MD, PA	Susquehanna River, Monocacy River	\$198,570,119.00					2	1	X	6/1/2027	9/1/2023	7/1/2025	45 months
82	704	Dominion	Domion zone	<b>Hollymead - Gordonsville Line # 2135 Rebuild</b> - This project serves to wreck/rebuild segment one of 230kV line 2135, demarcation point between Holly Meade Junction (Str.339B) and Gordonsville using double-circuit capable 230 kV poles.	Existing hardware installed in 2014. Existing structures shall be removed, and new structures will be used for the rebuild. 230kV rebuilds.	Albemarle, Gordonsville VA	Rivanna River	\$39,504,603.00							NO	12/1/2027	6/1/2025	6/1/2025	30 months
83	731	Dominion	Dominion zone	<b>Locks Substation 230/115 kV Transformer Upgrade</b> - Locks 230/115 kV transformer TX #7 gets overloaded under Gen Deliv in RTEP 2027 HG case. Therefore, this project replaces TX #7 with new three phase transformers that have a higher rating of 224 MVA. Lead lines at the 115 kV level will be upgraded to 2000 A.		Petersburg	Redacted	\$7,647,476.00							NO	12/1/2027	6/1/2025	12/1/2026	30 months
84	808	PSEG	MAAC zone	<b>Proposal F - Peach Bottom-New Raphael-Waugh Chapel 500kV; Peach Bottom-Doubs 500kV</b> - Doubs-Conastone-Peach Bottom, Waugh Chapel. 500kV Greenfield line from Peach Bottom to New Raphael Station, 500kV Greenfield line from New Raphael Station to Waugh Chapel, 500kV Greenfield line from Doubs Station to Peach Bottom Station, and a reconductor of Peach Bottom North to Peach Bottom South Tie #1 and #2		Frederick MD, MD, PA	Patapsco River, mostly redacted	\$1,259,268,839.00				3		1	X	6/1/2028	1/1/2024	11/1/2025	53 months
85	856	AEP	AEP zone	<b>Leesville-Altavista Rebuild</b> - Rebuild the double circuit 138kV line from Leesville station to Str. 17-181 at roughly 5.1 miles. Rebuild the single circuit 138kV line from Str. 17-181 to Altavista station at roughly 3.4 miles. To mitigate outage constraints, the Leesville - Altavista 138kV line will be built in the clear. The Opossum Creek - Smith Mountain 138kV line will be 6 wired from Leesville station to Str. 17-181. To mitigate the overload, the Winter emergency rating needs to be 327 MVA.		Campbell, Leesville	Redacted	\$28,845,591.00							X	6/1/2027	1/1/2024	10/1/2026	41 months



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86	923	Dominion	Dominion zone	<b>Second 500 kV line from Lexington to Dooms-</b> Construct approximately 40.5-miles of a new 500 kV transmission line from Lexington to Dooms with current 500 kV standards.		Augusta, Lexington, Rockbridge	several small streams, Redacted	\$248,665,258.00				1			X	12/1/2027	12/1/2024	6/1/2026	36 months
87	967	Dominion	Dominion zone	<b>Charlottesville - Hollymead Line # 2054 Rebuild</b> - Dooms. This project serves to wreck/rebuild segment one of 230kV line 2054, demarcation point between Charlottesville Substation to Proffit D.P. using double-circuit capable 500/230 kV poles. By wrecking and rebuilding lines #233 and #291 using (2) 768.2 ACSS/TW (20/7) "MAUMEE" conductor with 3948A ampacity, 1573MVA, and upgrading the ratings of substation equipment at Charlottesville, Crozet, Barracks Rd, Hydraulic Rd and Dooms, the overload is mitigated. Cross Mechums River, and both the Shenandoah National Park and the Appalachian Trail	500kV Rebuild	Augusta, Albemarle, Charlottesville	Rivanna River, Shenandoah National Park, Appalachian Trail	\$196,511,355.00							NO	12/1/2027	6/1/2025	6/1/2026	30 months
88								\$3,644,251,790.00											
89																			