

Executive Strategic Overview: The PJM Interconnection Power Grid at a Critical Crossroads: As of October 2026, the PJM interconnection queue tracks **356 large-load projects** seeking an unprecedented **51,374 MW** of bulk power interconnection capacity across its 13-state footprint. Driven by hyperscale artificial intelligence data centers in Northern Virginia's Data Center Alley and the Midwest tech corridor (Ohio and Illinois), this immense demand influx collides with accelerated thermal generation retirements, 500/230 kV transformer equipment lead times exceeding 48 months, and historic Base Residual Auction (BRA) capacity market clearing prices surging to \$269.92/MW-day.

The Realization Reality: Rigorous empirical screening demonstrates that gross queue asks drastically overstate near-term physical demand. Accounting for historical realization rates (averaging 0.64) and commercial completion probabilities (averaging 52%), AlxEnergy models an expected firm commercial addition of **16,127 MW** from the named queue, rising to a credible cumulative total of **32,711 MW by 2035**.

Transmission Lead Times & Regional Deliverability: Severe transmission congestion along the 5004/5005, AP South, and Western interfaces constrains bulk power deliveries into load-dense eastern centers (Dominion, PSEG, and PECO). Concurrently, PJM's transition under FERC Order 2023 to a first-ready, first-served cluster study cycle imposes strict readiness deposits and non-refundable withdrawal penalties. This master compendium provides decision makers, engineers, and investors with the complete, definitive technical dossier across all 17 utility transmission zones, 356 active requests, and 3,915 substations.

AUTHOR & PUBLISHER:	Clean Energy Research, LLC dba AlxEnergy by Brandon N. Owens monitor.aixenergy.io · Intelligence & Analytics
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Screening-level intelligence built from public regulatory filings, interconnection queues, and power flow data. Not an interconnection study, a will-serve determination, or a guarantee of any outcome. Produced by Clean Energy Research, LLC dba AlxEnergy by Brandon N. Owens.

Part I: Executive Overview & Macro Power Grid Architecture

This institutional intelligence report synthesizes all public regulatory filings, PJM interconnection queues, hourly bulk-power dispatch simulations, and substation capacity disclosures into a single master document. The table below contrasts the raw, undiscounted queue total against AixEnergy's probability-weighted and load-realization-adjusted firm capacity outlook.

51,374 MW GROSS REQUESTED MW Raw, unadjusted queue face-value	16,127 MW EXPECTED EVENTUAL MW Net realized & probability adjusted	4,487 / 28,105 MW EXPECTED 24M / 60M Near-term vs medium-term additions	32,711 MW CREDIBLE-TOTAL 2035 Named pipeline + statistical layer
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Active De-duplicated Requests	356
Gross Requested Interconnection Capacity	51,374 MW
Average Commercial Energization Probability P(eventual)	52%
Average Empirical Load Realization Factor	0.64
Net Expected Firm Addition (Eventual)	16,127 MW
Near-Term Outlook (within 24 months)	4,487 MW
Medium-Term Outlook (within 60 months)	28,105 MW
Credible-Total Cumulative Addition by 2035	32,711 MW
2026 PJM Load Forecast Report Benchmark (2035)	24,350 MW (official planning summer peak)

1.1 Queue Breakdown by Load Classification

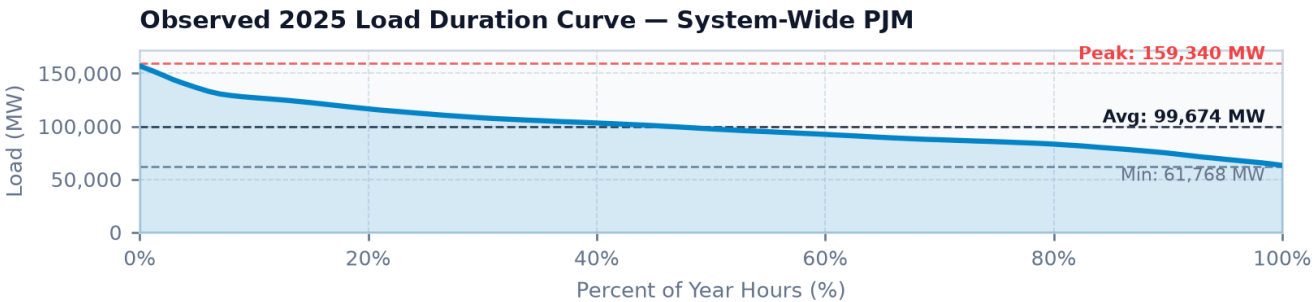
Data centers and high-density computing account for the majority of requested megawatts, but face prolonged interconnection cluster study queues under FERC Order 2023 and utility substation lead times exceeding 48 months. Industrial manufacturing and clean energy manufacturing demonstrate higher commercial commitment and firm realization rates.

Load Classification	Active Requests	Gross Requested MW	Net Expected Eventual MW
Generic data center	220	13,329	3,769
Multi tenant data center	92	5,921	2,082
Other large load	38	28,580	8,752
Hyperscale data center	4	2,195	875
Crypto data center	1	50	10
Industrial manufacturing	1	1,300	640

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

1.2 Observed 2025 PJM System-Wide Load Duration Curve

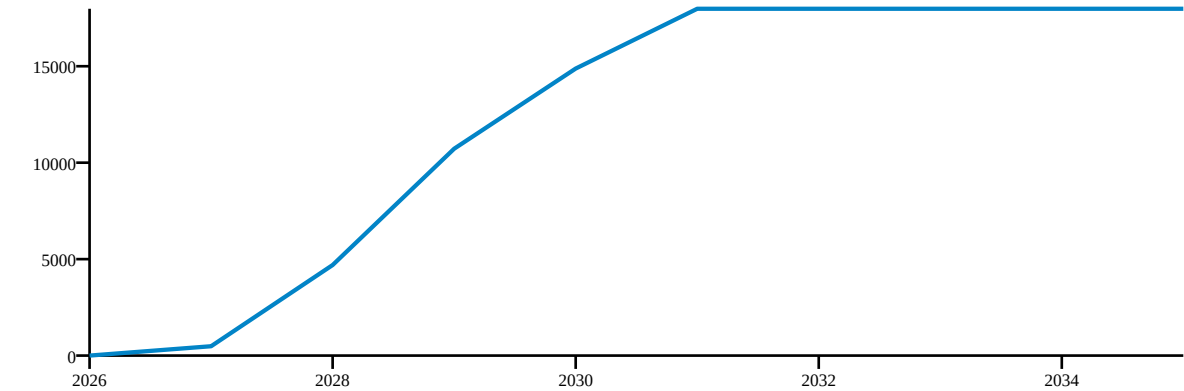
The system-wide Load Duration Curve (LDC) displays all 8,760 hours of observed 2025 demand across the full PJM footprint, sorted descending from coincident peak (159,340 MW) to minimum base load (61,768 MW). The system achieved an annual load factor of 63% with an average hourly demand of 99,674 MW.



Part II: Long-Term Horizon Forecast & Scenario Analysis (2026–2035)

AixEnergy models long-term large load growth through an explicit dual-layer methodology: 1) **Known Pipeline**: Bottom-up probability and timing S-curves applied to every named interconnection filing; 2) **Statistical Layer**: Econometric extrapolation capturing future unannounced large-load filings under current policy.

Cumulative Expected Large-Load MW (Named Pipeline)



Year	Gross Incr. MW	Pre-Realiz. MW	BYOG Offset	Expected Incr. (Net)	Cumulative MW
2026	6,550	0	0	0	0
2027	0	761	0	485	485
2028	14,783	7,388	0	4,210	4,694
2029	333	10,691	0	6,029	10,723
2030	0	7,416	0	4,156	14,879
2031	37,005	5,536	0	3,100	17,979
2032	0	0	0	0	17,979
2033	0	0	0	0	17,979
2034	0	0	0	0	17,979
2035	0	0	0	0	17,979

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

2.1 Credible-Total Forecast (Named Pipeline + Statistical Layer)

Year	Known Pipeline MW	Statistical Layer MW	Annual Total MW	Cumulative Credible Total MW
2026	0	1	1	1
2027	485	1,060	1,544	1,545
2028	4,210	1,668	5,877	7,423
2029	6,029	1,714	7,742	15,165
2030	4,156	1,714	5,870	21,035
2031	3,100	1,715	4,815	25,850
2032	0	1,718	1,718	27,568
2033	0	1,714	1,714	29,282
2034	0	1,714	1,714	30,996
2035	0	1,715	1,715	32,711

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part III: Chronological Dispatch Simulation & Wholesale Power Markets

To evaluate bulk power system reliability and emissions impacts, AixEnergy executes an 8,760-hour chronological dispatch simulation of the 17-zone PJM transport network using PyPSA and the HiGHS linear programming solver. Hydro, nuclear, and run-of-river renewables replay real observed 2025 hourly output shapes, while natural gas, peakers, and battery storage are dispatched based on hourly system marginal economics.

3.1 2025 Wholesale Energy Price Overlays by Zone

Historical wholesale energy pricing reflects observed 2025 Day-Ahead Locational Marginal Prices (LMP) weighted against hourly demand, alongside simulated dispatch marginal costs. Western and coal/nuclear-heavy zones (ComEd, AEP, West) display lower baseline energy costs, while load-dense eastern hubs (Dominion, PSEG, PECO) exhibit substantial congestion and capacity premiums.

Zone	Load-Weighted Price	Avg Day-Ahead Price	Avg Real-Time Price	Simulated Marginal	Marginal Fuel
AEP	\$47.37/MWh	\$46.21/MWh	\$47.14/MWh	\$39.77/MWh	NG CC
APS	\$52.17/MWh	\$51.11/MWh	\$52.13/MWh	\$39.77/MWh	NG CC
ATSI	\$51.17/MWh	\$50.01/MWh	\$51.01/MWh	\$39.77/MWh	NG CC
BGE	\$50.30/MWh	\$48.69/MWh	\$49.66/MWh	\$39.78/MWh	NG CC
COMED	\$46.61/MWh	\$45.39/MWh	\$46.29/MWh	\$36.92/MWh	NG CC
DAY	\$50.73/MWh	\$49.50/MWh	\$50.49/MWh	\$39.77/MWh	NG CC
DEOK	\$51.33/MWh	\$50.19/MWh	\$51.20/MWh	\$39.77/MWh	NG CC
DOM	\$65.38/MWh	\$64.38/MWh	\$65.67/MWh	\$39.77/MWh	NG CC
DPL	\$49.17/MWh	\$47.78/MWh	\$48.73/MWh	\$39.78/MWh	NG CC
DUQ	\$50.22/MWh	\$48.92/MWh	\$49.90/MWh	\$39.77/MWh	NG CC
EKPC	\$50.06/MWh	\$48.70/MWh	\$49.67/MWh	\$39.77/MWh	NG CC
JCPL	\$49.65/MWh	\$48.26/MWh	\$49.22/MWh	\$36.39/MWh	NG CC
METED	\$50.46/MWh	\$49.23/MWh	\$50.21/MWh	\$36.39/MWh	NG CC
OVEC	\$55.31/MWh	\$54.55/MWh	\$55.64/MWh	\$39.77/MWh	NG CC
PECO	\$49.99/MWh	\$48.63/MWh	\$49.61/MWh	\$36.39/MWh	NG CC
PENELEC	\$51.63/MWh	\$50.46/MWh	\$51.47/MWh	\$36.95/MWh	NG CC
PEPCO	\$49.97/MWh	\$48.40/MWh	\$49.37/MWh	\$39.78/MWh	NG CC
PPL	\$50.40/MWh	\$49.16/MWh	\$50.15/MWh	\$36.39/MWh	NG CC
PSEG	\$50.63/MWh	\$49.16/MWh	\$50.14/MWh	\$36.39/MWh	NG CC
RECO	\$48.99/MWh	\$47.52/MWh	\$48.48/MWh	\$36.39/MWh	NG CC
UGI	\$49.49/MWh	\$48.00/MWh	\$48.96/MWh	\$36.39/MWh	NG CC
UNALLOCATED	\$50.71/MWh	\$49.51/MWh	\$50.50/MWh	\$39.77/MWh	NG CC

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part IV: Bulk Transmission Corridors & Interface Transfer Capabilities

PJM's bulk power transmission grid relies on high-voltage 765 kV and 500 kV corridors to transfer power from western and Appalachian generation centers to eastern load hubs. The table below details transfer capabilities, observed peak flows, and binding congestion hours across major PJM transmission interfaces and corridors.

Interface Corridor	Transfer Limit (MW)	Peak Flow (MW)	Avg Flow (MW)	2025 Binding Hours
AP SOUTH	4,536	4,541	2,666	45
AEP - DOMINION	4,104	4,112	2,273	24
WESTERN INTERFACE	6,480	6,478	3,471	22
EASTERN INTERFACE (5004/5005)	5,940	5,941	3,159	21
COMED - PJM INTERFACE	5,184	5,193	2,730	12

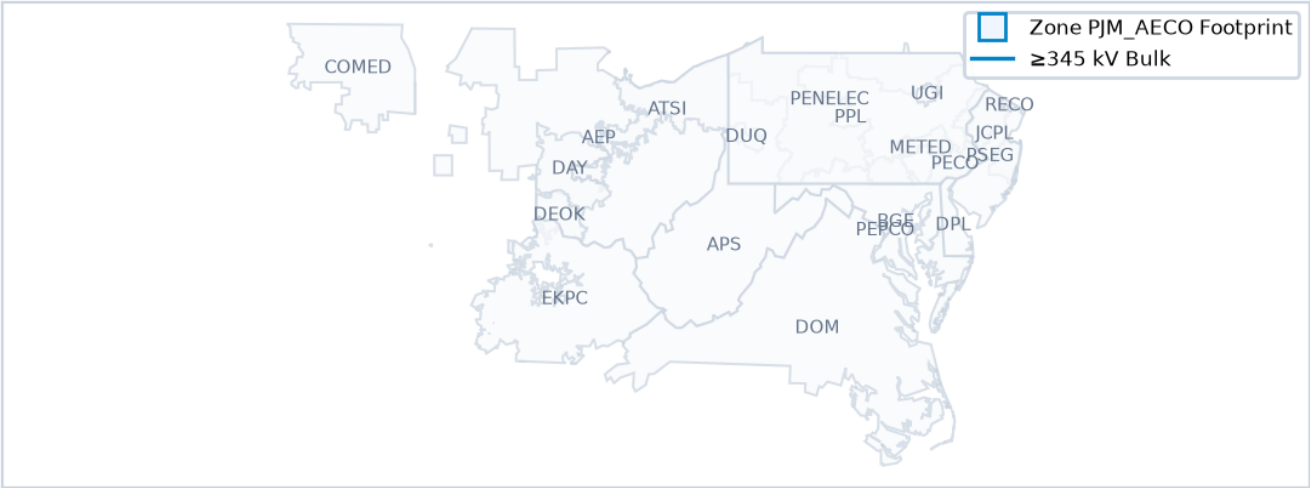
Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part V: Zonal Intelligence Dossiers (17 Reliability Zones)

Comprehensive zonal dossiers for all 17 PJM load zones and hubs. Each profile incorporates regional transmission GIS mapping, deliverability headroom metrics, generation fuel mixes, observed load duration curves, and the complete local large-load interconnection project pipeline.

Zone AECO: Atlantic City Electric — Comprehensive Grid Dossier

2	350 MW	173 MW	- MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: -



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	1.00
Generation-Supply Index (–1 weak → +1 strong)	-1.00
Queued Generation MW in Zone	0
Queued Large-Load MW in Zone	300
Expected MW (within 24 Months)	30
Expected MW (within 60 Months)	173

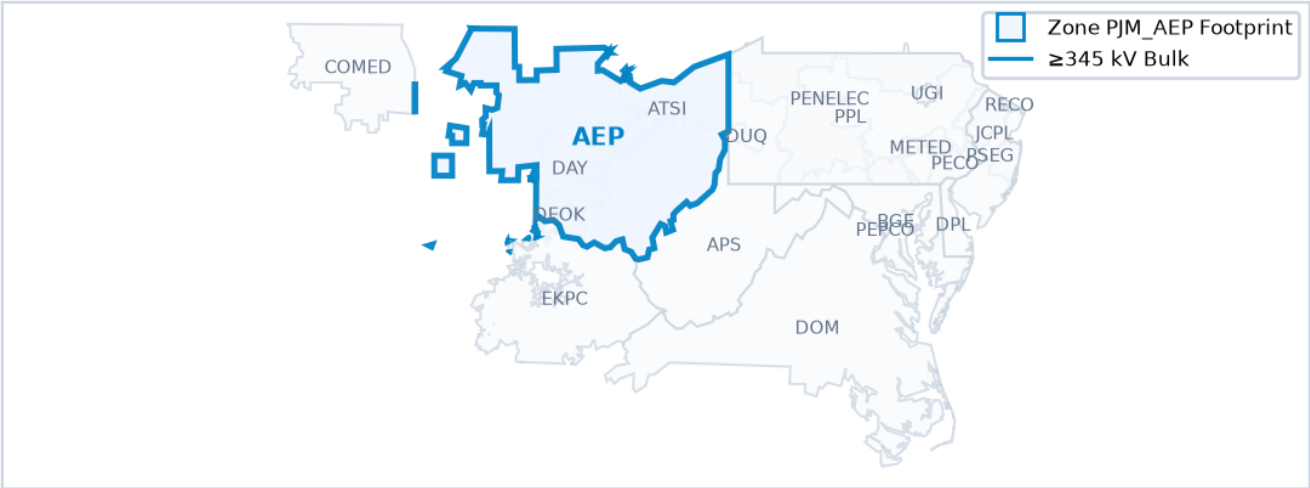
Active Large-Load Interconnection Requests in Zone PJM_AECO

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Nebius Group	Cumberland	Atlantic City Electric	300	55%	288	2029-10-01	Transmission substation
Nebius New Jersey AI Factory	Cumberland	Atlantic City Electric	50	43%	36	2028-04-01	Utility study

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

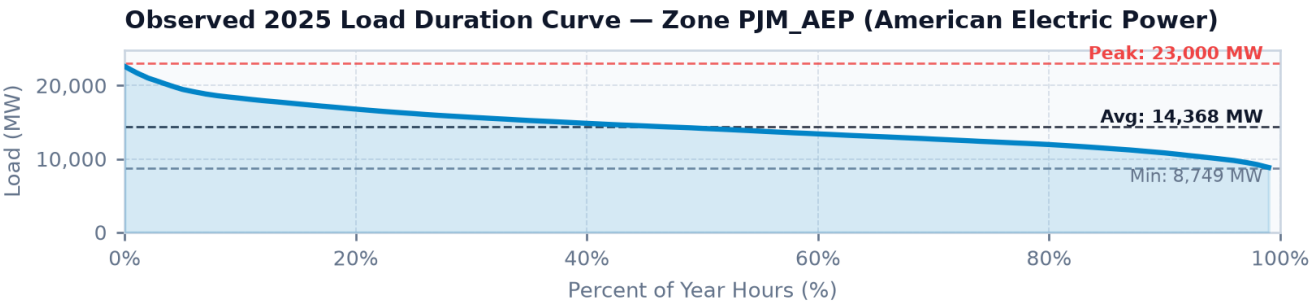
Zone AEP: American Electric Power — Comprehensive Grid Dossier

42	15,176 MW	4,300 MW	23,000 MW
TRACKED REQUESTS	GROSS REQUESTED	EXPECTED EVENTUAL	2025 PEAK LOAD
Active projects in zone	Undiscounted queue total	Probability & realization adjusted	Load factor: 62%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.72
Generation-Supply Index (–1 weak → +1 strong)	0.11
Queued Generation MW in Zone	33,544
Queued Large-Load MW in Zone	14,926
Expected MW (within 24 Months)	890
Expected MW (within 60 Months)	4,300

Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone PJM_AEP

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
New Day Data Centers LLC (w/ DOE, SoftBank/SB Energy)	Pike	Transmission Operator	10,000	53%	5,200	2029-10-01	Transmission substation
Unnamed in filings (press-attributed to Amazon Web Services)	Adams County	AES Ohio	1,300	58%	1,105	2028-04-01	Utility study
Nscale	Point Pleasant / Mason County	Transmission Operator	1,350	53%	526	2029-10-01	Transmission substation
QTS / Blackstone	Van Wert	Transmission Operator	500	53%	260	2029-10-01	Transmission substation
Vantage Data Centers	Licking	AEP	192	36%	100	2029-10-01	Transmission substation
Crusoe	Summit View Business Park, Franklin County	Transmission Operator	100	53%	52	2029-10-01	Transmission substation
Strata Expense (backed by Supermicro + Ravel)	Lawrence	Transmission Operator	80	53%	42	2029-10-01	Transmission substation
EdgeConneX	Licking	Transmission Operator	80	49%	42	2029-10-01	Transmission substation
Flexential	West Chester	Transmission Operator	50	53%	36	2029-10-01	Transmission substation
Expedient Cleveland CLE2 NEO	Cleveland / NEO Parkway		50	45%	36	2029-10-01	Transmission substation
Cologix Columbus COL3	Franklin	AEP	50	48%	33	2029-10-01	Transmission substation
Cologix Columbus COL5	Franklin	AEP	50	48%	33	2029-10-01	Transmission substation
Cologix Columbus COL2	Franklin	AEP	50	48%	33	2029-10-01	Transmission substation
Cologix Columbus COL1	Franklin	AEP	50	48%	33	2029-10-01	Transmission substation
Meta	Licking	AEP	50	36%	36	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

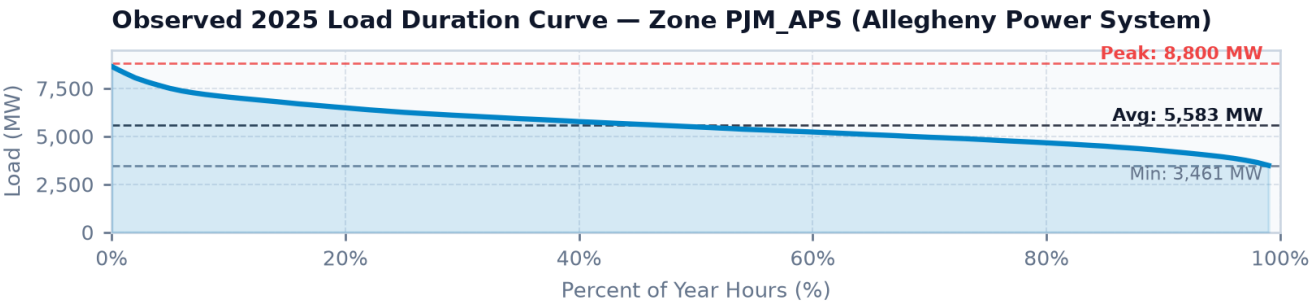
Zone APS: Allegheny Power System — Comprehensive Grid Dossier

1	50 MW	6 MW	8,800 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 63%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	1.00
Generation-Supply Index (–1 weak → +1 strong)	–1.00
Queued Generation MW in Zone	0
Queued Large-Load MW in Zone	50
Expected MW (within 24 Months)	1
Expected MW (within 60 Months)	6

Observed 2025 Load Duration Curve



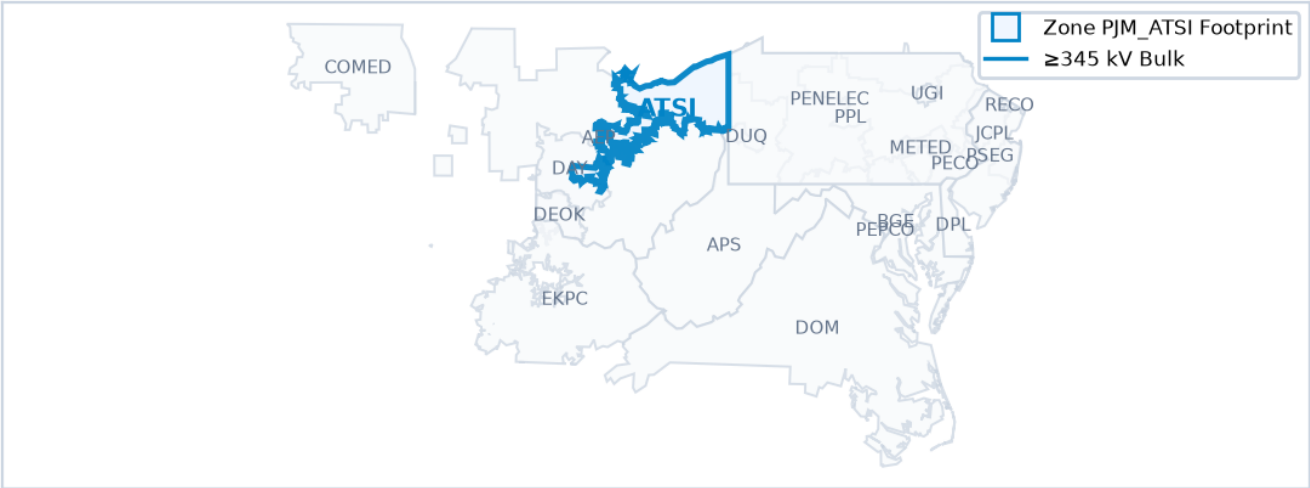
Active Large-Load Interconnection Requests in Zone PJM_APS

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
QTS	Kearneysville	Allegheny Power	50	35%	18	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

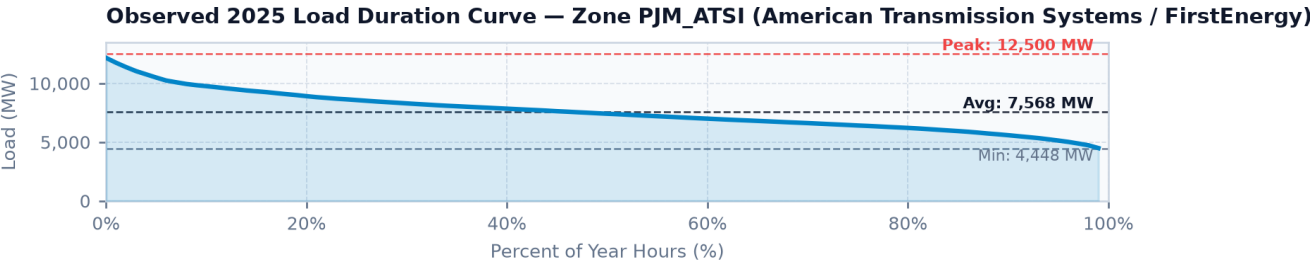
Zone ATSI: American Transmission Systems / FirstEnergy — Comprehensive Grid Dossier

6	546 MW	219 MW	12,500 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 60%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.98
Generation-Supply Index (–1 weak → +1 strong)	0.41
Queued Generation MW in Zone	1,561
Queued Large-Load MW in Zone	546
Expected MW (within 24 Months)	27
Expected MW (within 60 Months)	219

Observed 2025 Load Duration Curve



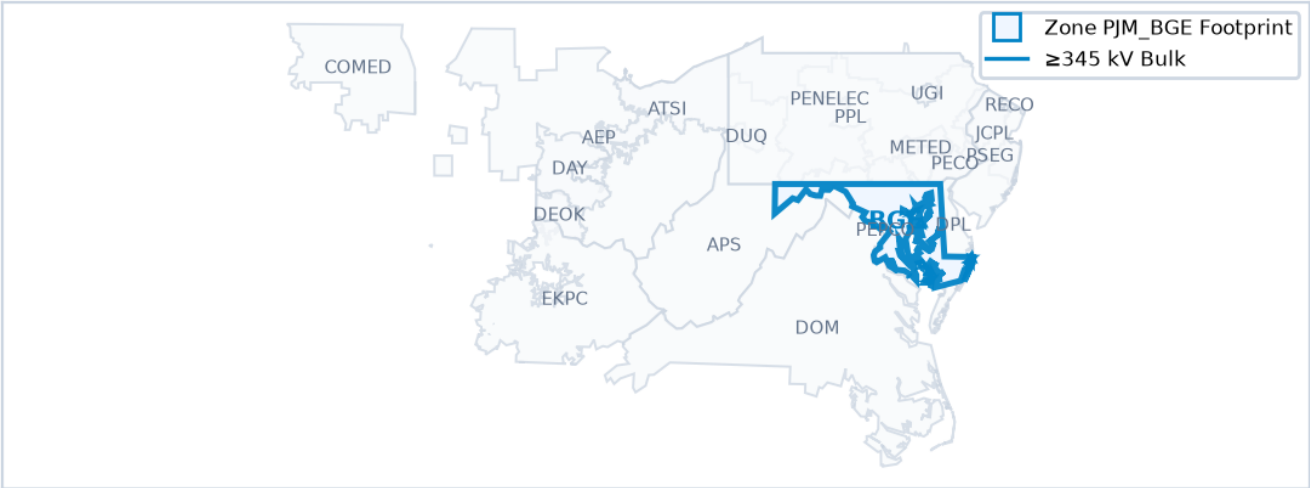
Active Large-Load Interconnection Requests in Zone PJM_ATSI

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
OpenAI / SoftBank	Lordstown	ATSI	300	64%	216	2029-10-01	Transmission substation
Aligned	Erie	ATSI	96	64%	50	2029-10-01	Transmission substation
Homer City Redevelopment / Kiewit	Indiana	ATSI	50	64%	36	2029-10-01	Transmission substation
Bristolville 25 Developer LLC / BHGH Properties	Trumbull	ATSI	50	64%	20	2029-10-01	Transmission substation
Cervenka Development Partners	Amherst	Transmission Operator	50	61%	20	2029-10-01	Transmission substation
DataBank	Cleveland	Cleveland Electric Illuminating	0	49%	0	2029-02-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

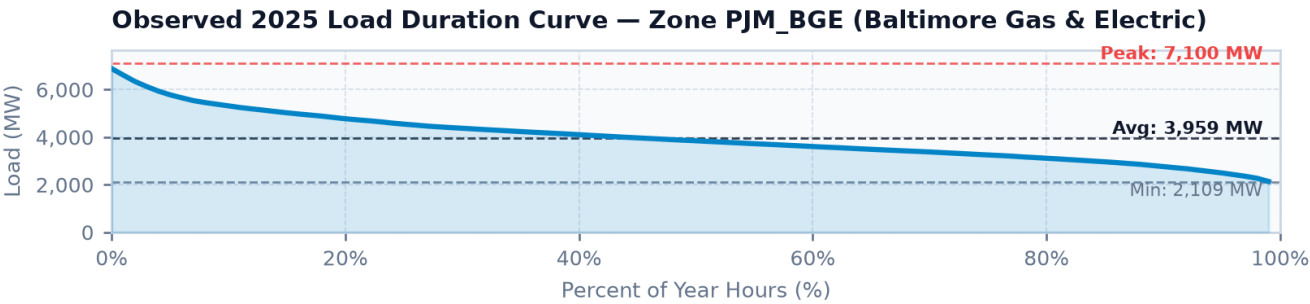
Zone BGE: Baltimore Gas & Electric — Comprehensive Grid Dossier

5	272 MW	70 MW	7,100 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 56%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.88
Generation-Supply Index (–1 weak → +1 strong)	-0.68
Queued Generation MW in Zone	176
Queued Large-Load MW in Zone	272
Expected MW (within 24 Months)	9
Expected MW (within 60 Months)	70

Observed 2025 Load Duration Curve



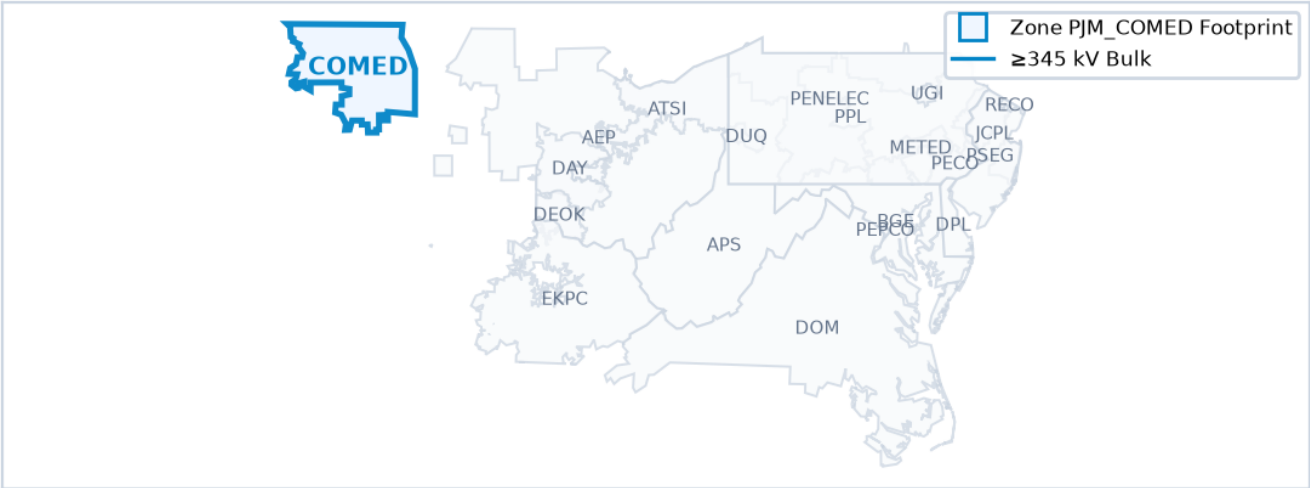
Active Large-Load Interconnection Requests in Zone PJM_BGE

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Expedient	Baltimore / Hull Street	Transmission Operator	50	52%	36	2029-10-01	Transmission substation
Aligned Data Centers	Frederick	Transmission Operator	72	32%	48	2029-10-01	Transmission substation
TierPoint	Baltimore	BGE	50	35%	36	2029-10-01	Transmission substation
TierPoint	Baltimore	BGE	50	35%	36	2029-10-01	Transmission substation
Expedient	Owings Mills	Transmission Operator	50	32%	36	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

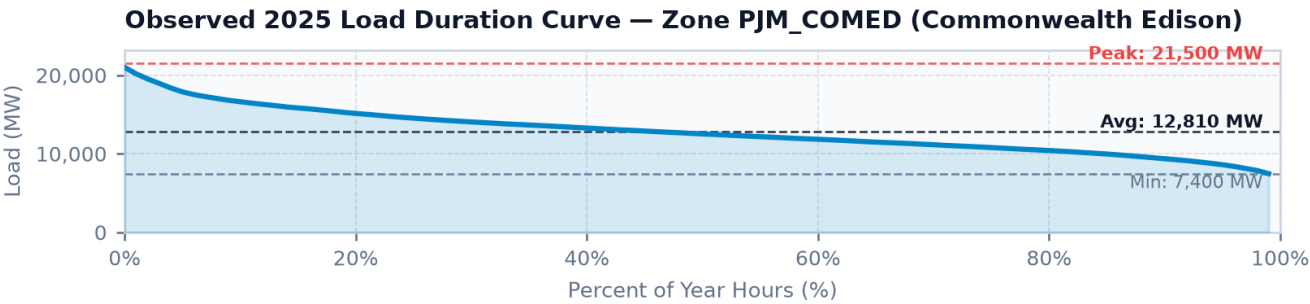
Zone COMED: Commonwealth Edison — Comprehensive Grid Dossier

45	5,498 MW	1,976 MW	21,500 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 60%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.92
Generation-Supply Index (–1 weak → +1 strong)	0.55
Queued Generation MW in Zone	15,845
Queued Large-Load MW in Zone	5,048
Expected MW (within 24 Months)	331
Expected MW (within 60 Months)	1,976

Observed 2025 Load Duration Curve



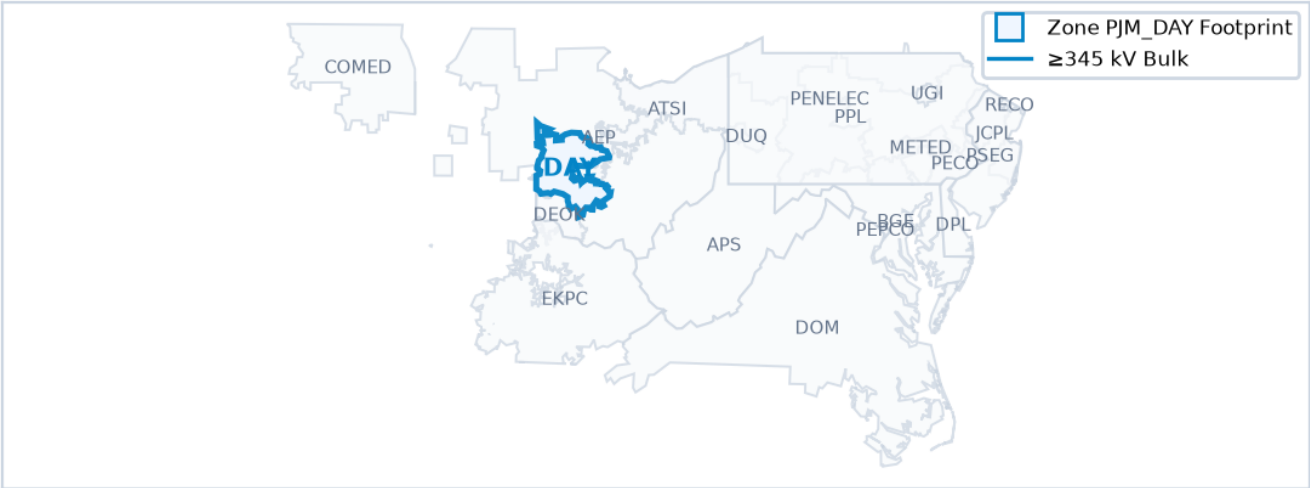
Active Large-Load Interconnection Requests in Zone PJM_COMED

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
HW Technology Park (Hillwood Investment Properties / PowerHouse Data Centers)	Will	ComEd	1,800	68%	936	2029-10-01	Transmission substation
Pioneer Development LLC	Kendall	ComEd	1,800	68%	936	2029-10-01	Transmission substation
NTT	Cook	ComEd	200	48%	192	2029-10-01	Transmission substation
Edged US	DuPage	ComEd	72	68%	37	2029-10-01	Transmission substation
Stream Data Centers	Cook	ComEd	50	68%	36	2029-10-01	Transmission substation
Meta	DeKalb	ComEd	50	68%	36	2029-10-01	Transmission substation
TierPoint	Cook	Transmission Operator	50	64%	36	2029-10-01	Transmission substation
Digital Realty ORD14 Franklin Park	Franklin Park	ComEd	50	68%	33	2029-10-01	Transmission substation
Digital Realty ORD13 Franklin Park	Franklin Park	ComEd	50	68%	33	2029-10-01	Transmission substation
CyrusOne CHI3 Aurora	Aurora	ComEd	50	59%	36	2028-04-01	Utility study
CyrusOne CHI2 Aurora	Aurora	ComEd	50	59%	36	2028-04-01	Utility study
Digital Realty CH2 Elk Grove Village	Elk Grove Village	ComEd	50	62%	33	2029-10-01	Transmission substation
Equinix CH2 Chicago Cermak	Cook	ComEd	50	59%	33	2028-04-01	Utility study
Equinix CH4 Chicago Cermak	Cook	ComEd	50	59%	33	2028-04-01	Utility study
Netrality Chicago 717 South Wells	Cook	ComEd	50	53%	36	2028-04-01	Utility study

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

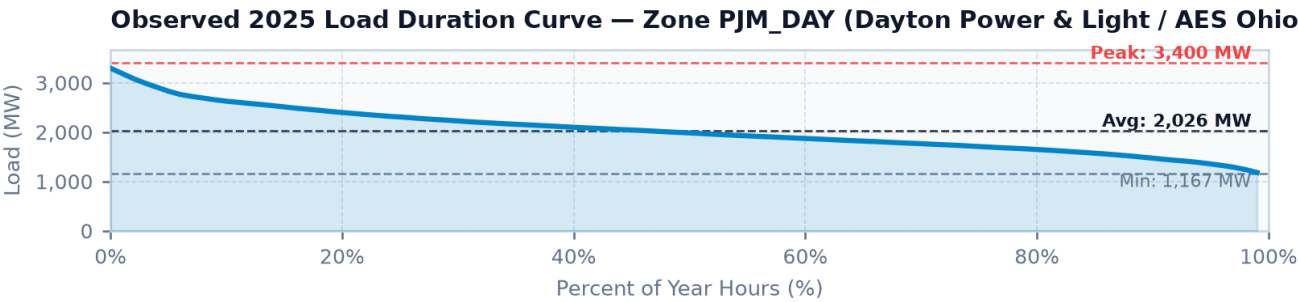
Zone DAY: Dayton Power & Light / AES Ohio — Comprehensive Grid Dossier

1	50 MW	14 MW	3,400 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 60%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	1.00
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	855
Queued Large-Load MW in Zone	50
Expected MW (within 24 Months)	2
Expected MW (within 60 Months)	14

Observed 2025 Load Duration Curve



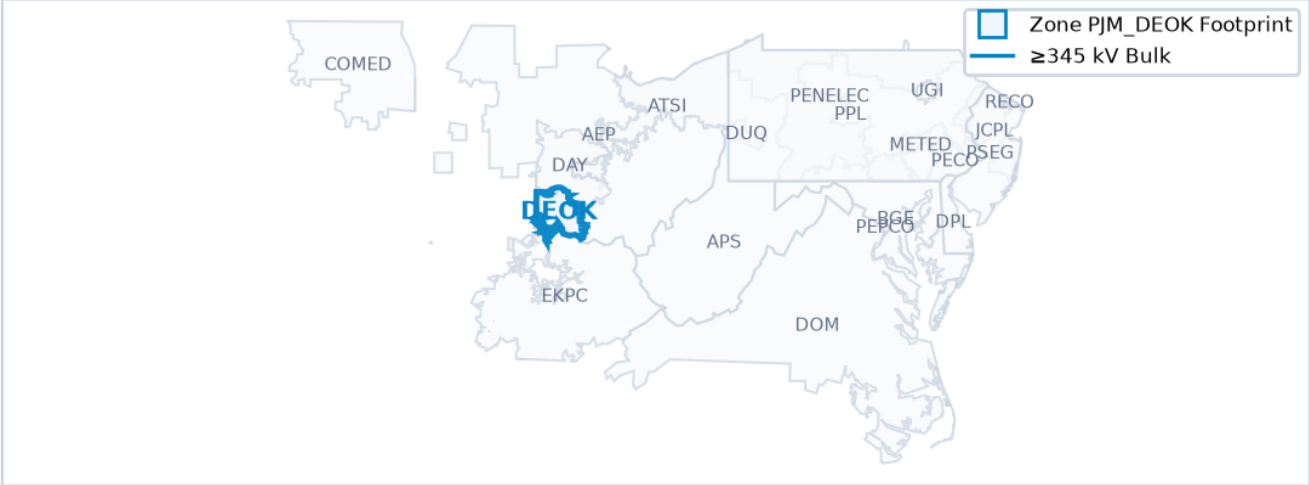
Active Large-Load Interconnection Requests in Zone PJM_DAY

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Amazon Web Services	Shelby	AES Ohio	50	40%	36	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

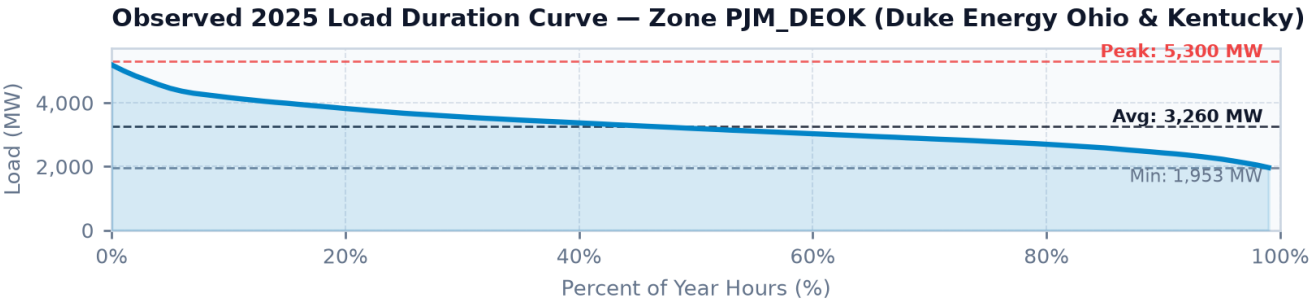
Zone DEOK: Duke Energy Ohio & Kentucky — Comprehensive Grid Dossier

1	100 MW	33 MW	5,300 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 62%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.95
Generation-Supply Index (–1 weak → +1 strong)	0.59
Queued Generation MW in Zone	321
Queued Large-Load MW in Zone	100
Expected MW (within 24 Months)	4
Expected MW (within 60 Months)	33

Observed 2025 Load Duration Curve



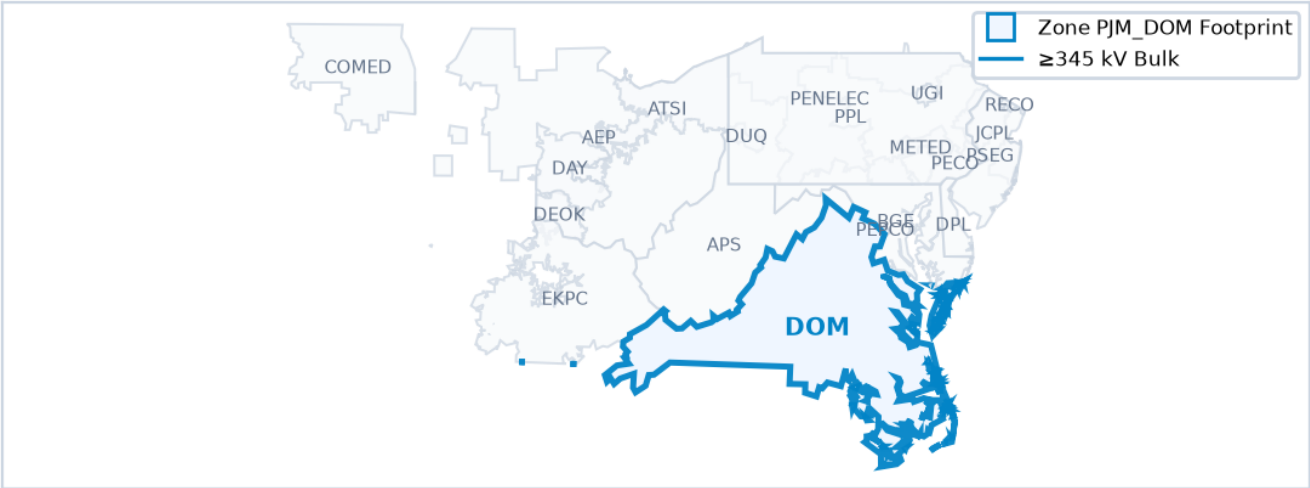
Active Large-Load Interconnection Requests in Zone PJM_DEOK

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Logistix Property Group	Butler	Transmission Operator	100	63%	52	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

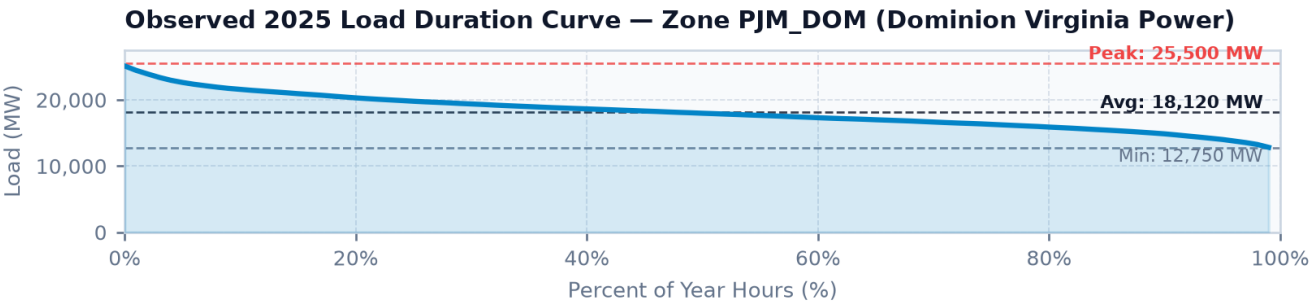
Zone DOM: Dominion Virginia Power — Comprehensive Grid Dossier

169 TRACKED REQUESTS Active projects in zone	14,661 MW GROSS REQUESTED Undiscounted queue total	4,660 MW EXPECTED EVENTUAL Probability & realization adjusted	25,500 MW 2025 PEAK LOAD Load factor: 71%
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Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.78
Generation-Supply Index (–1 weak → +1 strong)	-0.20
Queued Generation MW in Zone	19,922
Queued Large-Load MW in Zone	12,261
Expected MW (within 24 Months)	596
Expected MW (within 60 Months)	4,660

Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone PJM_DOM

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
STACK Infrastructure	Stafford County	Dominion Energy	1,100	61%	726	2029-10-01	Transmission substation
CloudHQ	Loudoun	Dominion Energy	1,256	61%	653	2029-10-01	Transmission substation
EdgeCore Digital Infrastructure	Louisa	Rappahannock Electric Cooperative	1,100	58%	572	2029-10-01	Transmission substation
AVAIO Digital Partners	Appomattox	Dominion Energy	1,000	61%	520	2029-10-01	Transmission substation
NTT	Loudoun	Dominion Energy	224	61%	215	2029-10-01	Transmission substation
Iron Mountain	Prince William	Transmission Operator	280	58%	202	2029-10-01	Transmission substation
STACK Infrastructure	Manassas	Northern Virginia Electric Cooperative (NOVEC)	420	38%	277	2029-10-01	Transmission substation
NTT Global Data Centers	Prince William	Transmission Operator	336	58%	175	2029-10-01	Transmission substation
CloudHQ	Prince William	Dominion Energy	382	41%	199	2029-10-01	Transmission substation
Aligned Data Centers	Loudoun	Dominion Energy	120	61%	115	2029-10-01	Transmission substation
Cologix	Loudoun	Dominion Energy	120	61%	115	2029-10-01	Transmission substation
Vantage Data Centers	Loudoun	Transmission Operator	206	58%	107	2029-10-01	Transmission substation
QTS Data Centers	Prince William	Transmission Operator	190	58%	99	2029-10-01	Transmission substation
DataBank	Culpeper	Transmission Operator	120	58%	86	2029-10-01	Transmission substation
Hyperscale Cloud Offtaker	Loudoun County	Dominion Energy	100	59%	72	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

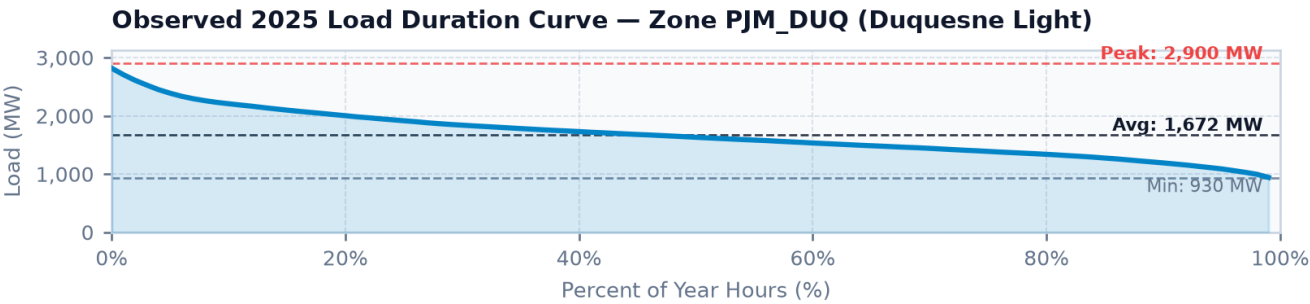
Zone DUQ: Duquesne Light — Comprehensive Grid Dossier

5	157 MW	61 MW	2,900 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 58%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.88
Generation-Supply Index (–1 weak → +1 strong)	0.14
Queued Generation MW in Zone	361
Queued Large-Load MW in Zone	157
Expected MW (within 24 Months)	29
Expected MW (within 60 Months)	61

Observed 2025 Load Duration Curve



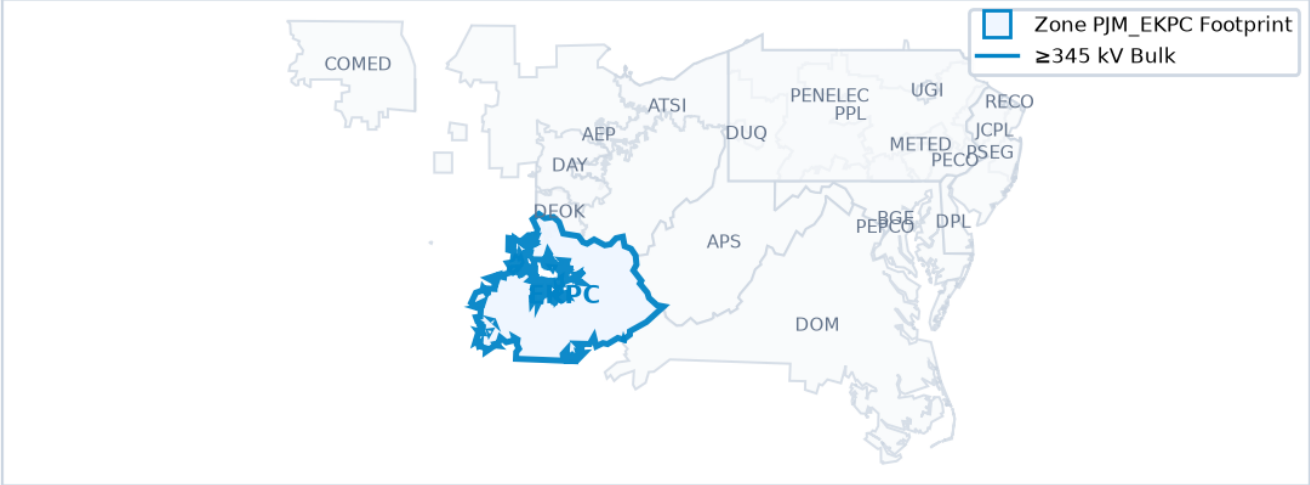
Active Large-Load Interconnection Requests in Zone PJM_DUQ

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
EdgeConneX	Allegheny	Transmission Operator	50	56%	36	2029-10-01	Transmission substation
Expedient	Pittsburgh / North Shore	Transmission Operator	50	52%	36	2028-04-01	Utility study
Expedient	Pittsburgh / Green Tree	Transmission Operator	50	52%	36	2028-04-01	Utility study
DataBank	Pittsburgh	Duquesne	5	72%	4	2029-02-01	Unknown
DataBank	Pittsburgh	Duquesne	2	63%	1	2028-04-01	Utility study

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

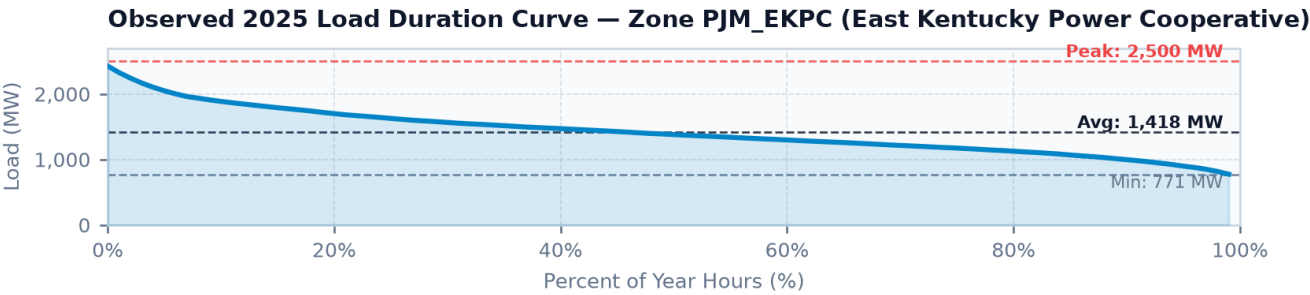
Zone EKPC: East Kentucky Power Cooperative — Comprehensive Grid Dossier

3	3,050 MW	782 MW	2,500 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 57%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.95
Generation-Supply Index (–1 weak → +1 strong)	-1.00
Queued Generation MW in Zone	0
Queued Large-Load MW in Zone	3,050
Expected MW (within 24 Months)	229
Expected MW (within 60 Months)	782

Observed 2025 Load Duration Curve



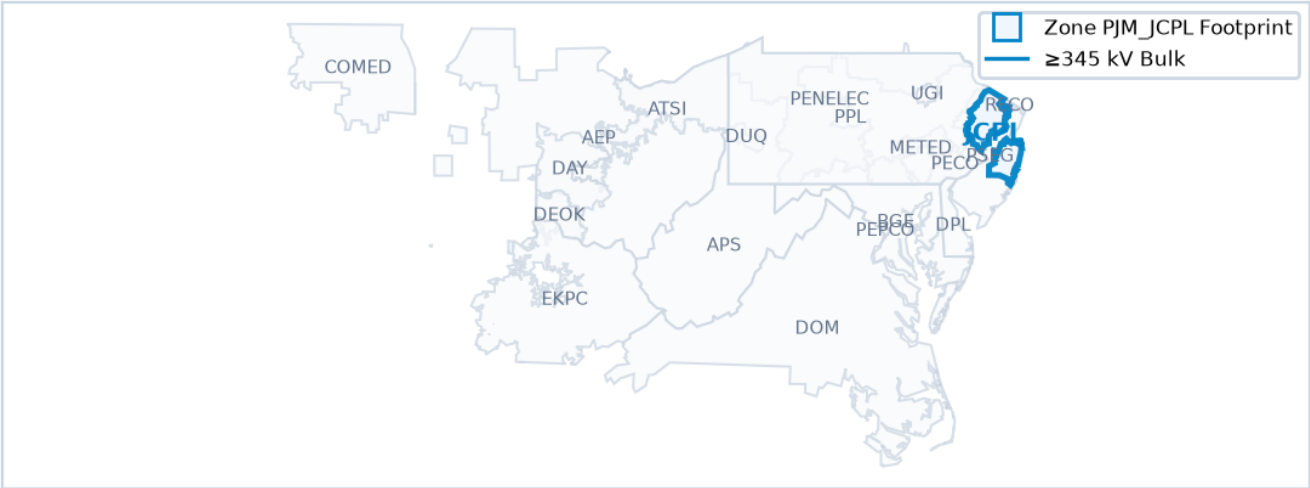
Active Large-Load Interconnection Requests in Zone PJM_EKPC

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Rubix Data Centers / Submer	Russell	Transmission Operator	2,000	51%	1,040	2029-10-01	Transmission substation
Muskie Data Campus	EastPark Industrial Park / Greenup County, Kentucky		1,000	47%	520	2028-04-01	Utility study
Diversified Gas and Oil / Maverick Holdings	Gateway Business Park, Letcher County	Transmission Operator	50	53%	20	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

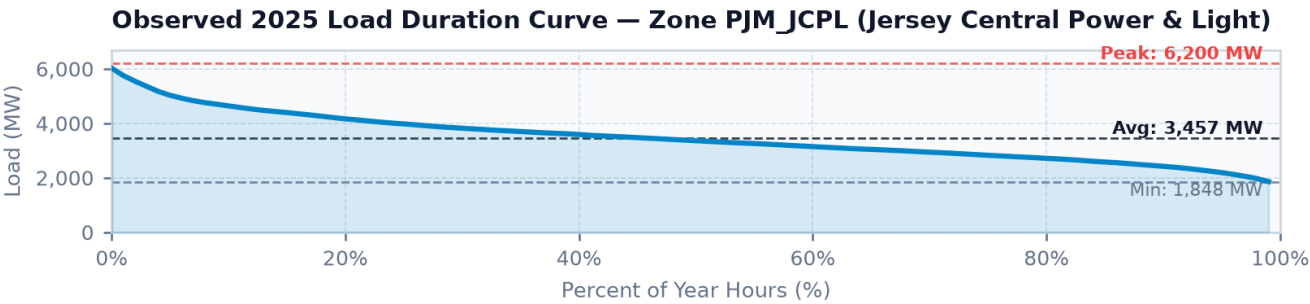
Zone JCPL: Jersey Central Power & Light — Comprehensive Grid Dossier

7	370 MW	147 MW	6,200 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 56%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.94
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	1,843
Queued Large-Load MW in Zone	220
Expected MW (within 24 Months)	45
Expected MW (within 60 Months)	147

Observed 2025 Load Duration Curve



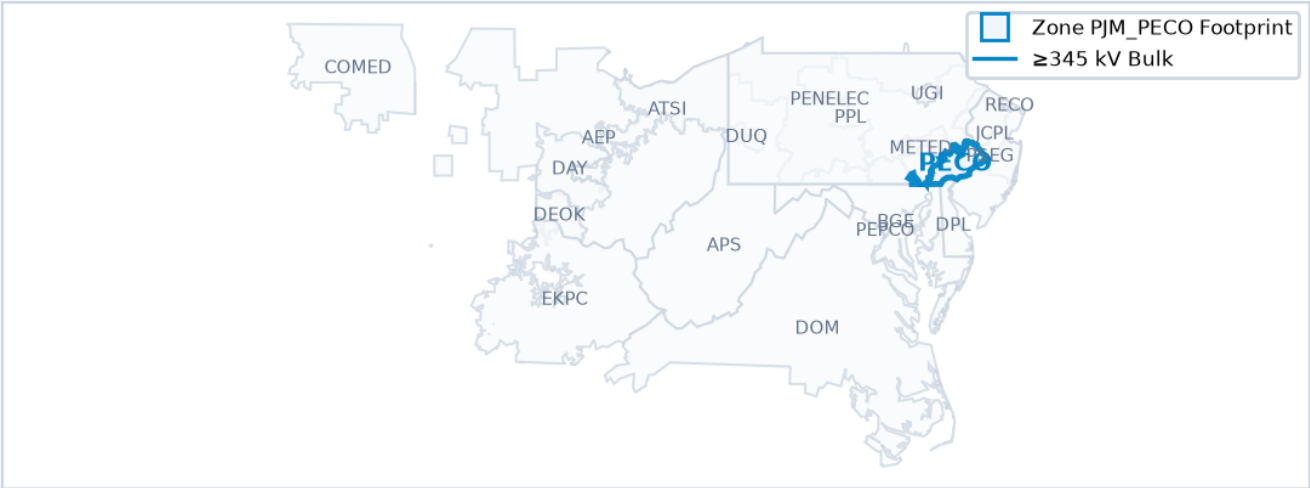
Active Large-Load Interconnection Requests in Zone PJM_JCPL

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
QTS	East Windsor	JCP&L;	70	66%	46	2029-10-01	Transmissio n substation
Cologix New Jersey NNJ3 Parsippany Webro	Morris	JCP&L;	50	74%	33	2028-04-01	Utility study
Cologix New Jersey NNJ4 Cedar Knolls Wing	Cedar Knolls		50	74%	33	2028-04-01	Utility study
Cologix	Morris	JCP&L;	50	63%	33	2029-10-01	Transmissio n substation
Cologix	Cedar Knolls	Transmission Operator	50	63%	33	2029-10-01	Transmissio n substation
Cologix New Jersey NNJ1 Parsippany	Morris	JCP&L;	50	48%	33	2029-10-01	Transmissio n substation
Cologix	Morris	JCP&L;	50	33%	33	2029-10-01	Transmissio n substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

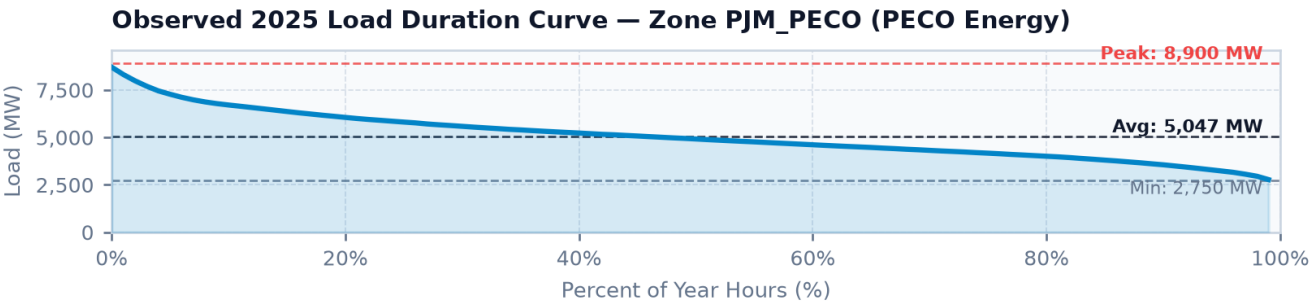
Zone PECO: PECO Energy — Comprehensive Grid Dossier

10	658 MW	270 MW	8,900 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 57%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.99
Generation-Supply Index (–1 weak → +1 strong)	0.62
Queued Generation MW in Zone	2,149
Queued Large-Load MW in Zone	658
Expected MW (within 24 Months)	35
Expected MW (within 60 Months)	270

Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone PJM_PECO

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Sentinel Data Centers	Chester	PECO	300	80%	156	2029-10-01	Transmission substation
TierPoint	Montgomery	PECO	50	60%	36	2029-10-01	Transmission substation
TierPoint	Philadelphia	PECO	50	60%	36	2029-10-01	Transmission substation
Netrality	Philadelphia	PECO	50	57%	36	2029-10-01	Transmission substation
365 Data Centers	Philadelphia	PECO	50	57%	36	2029-10-01	Transmission substation
365 Data Centers	Philadelphia	PECO	50	57%	36	2029-10-01	Transmission substation
Equinix	Philadelphia	PECO	50	60%	33	2029-10-01	Transmission substation
Penn Hurst Holdings	East Vincent / Spring City (Pennhurst)	PECO	50	80%	20	2029-10-01	Transmission substation
Flexential	Collegeville	Transmission Operator	7	65%	5	2029-02-01	Unknown
DataBank	Philadelphia	PECO	0	68%	0	2029-02-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

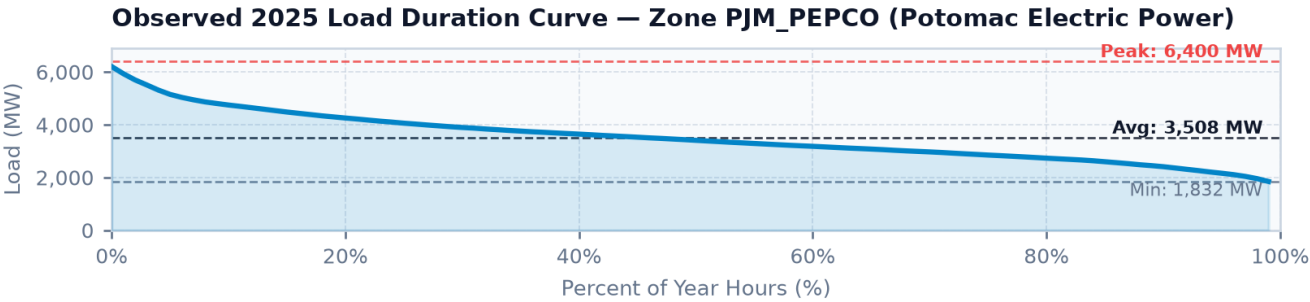
Zone PEPCO: Potomac Electric Power — Comprehensive Grid Dossier

4	1,260 MW	301 MW	6,400 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 55%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.98
Generation-Supply Index (–1 weak → +1 strong)	-0.68
Queued Generation MW in Zone	772
Queued Large-Load MW in Zone	1,210
Expected MW (within 24 Months)	38
Expected MW (within 60 Months)	301

Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone PJM_PEPCO

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
TeraWulf	Charles County	Transmission Operator	800	54%	312	2029-10-01	Transmission substation
Atmosphere Data Centers / Terra Energy	Dickerson / Montgomery County	Transmission Operator	360	54%	187	2029-10-01	Transmission substation
CoreSite DC2 Washington	Washington	PEPCO	50	52%	36	2029-10-01	Transmission substation
CoreSite	Washington	PEPCO	50	37%	36	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

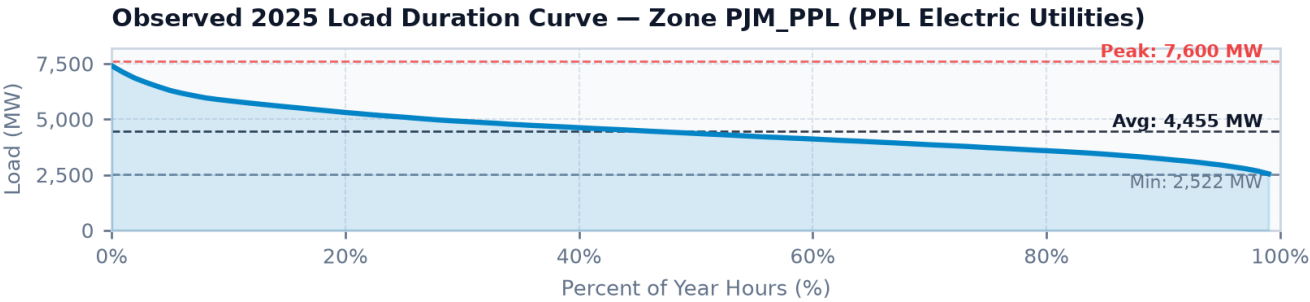
Zone PPL: PPL Electric Utilities — Comprehensive Grid Dossier

14 TRACKED REQUESTS Active projects in zone	6,262 MW GROSS REQUESTED Undiscounted queue total	1,867 MW EXPECTED EVENTUAL Probability & realization adjusted	7,600 MW 2025 PEAK LOAD Load factor: 59%
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Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.88
Generation-Supply Index (–1 weak → +1 strong)	–0.76
Queued Generation MW in Zone	3,048
Queued Large-Load MW in Zone	6,212
Expected MW (within 24 Months)	239
Expected MW (within 60 Months)	1,867

Observed 2025 Load Duration Curve



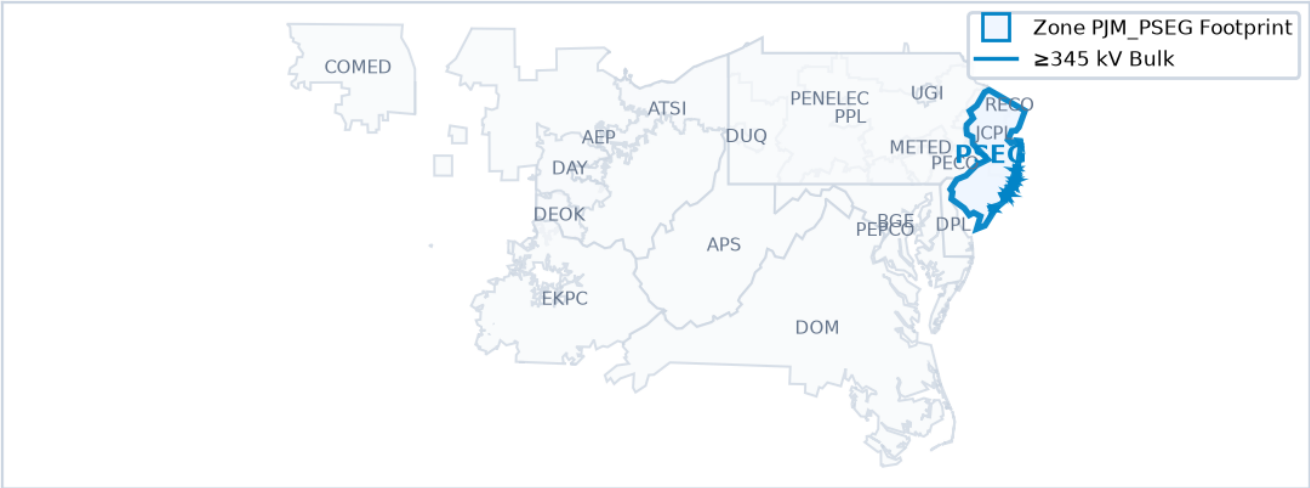
Active Large-Load Interconnection Requests in Zone PJM_PPL

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Cornell Realty Management	Lackawanna	PPL	1,600	55%	832	2029-10-01	Transmission substation
Amazon Web Services	Luzerne County	PPL	960	55%	691	2029-10-01	Transmission substation
Microsoft Corporation	Dauphin County	ATSI	835	52%	601	2029-10-01	Transmission substation
Nebius	Butler Township / Highridge Business Park, Schuylkill County	Transmission Operator	1,200	54%	468	2029-10-01	Transmission substation
Mudiita Infra	Ransom Township / Lackawanna County	Transmission Operator	750	54%	390	2029-10-01	Transmission substation
NorthPoint Development (NP Hazleton Holdings 1 LLC)	Luzerne	PPL	300	57%	156	2029-10-01	Transmission substation
CoreWeave	Lancaster	PPL	300	55%	156	2029-10-01	Transmission substation
PowerHouse Data Centers / Pennsylvania Data Center Partners	Middlesex Township / Carlisle	PPL	50	55%	36	2029-10-01	Transmission substation
Iron Mountain	Boyers	Allegheny Power	50	35%	36	2029-10-01	Transmission substation
TierPoint	Lehigh	Transmission Operator	50	34%	36	2029-10-01	Transmission substation
TierPoint	Lehigh	Transmission Operator	50	34%	36	2029-10-01	Transmission substation
Archbald 25 Developer LLC	Archbald	PPL	50	57%	20	2029-10-01	Transmission substation
Quantm Project Gold — Covington/Clifton (Lackawanna PA)	Covington Township / Clifton Township (North Pocono)	PPL	50	40%	20	2028-04-01	Utility study
TierPoint	Breinigsville / TekPark	Transmission Operator	17	36%	12	2029-02-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

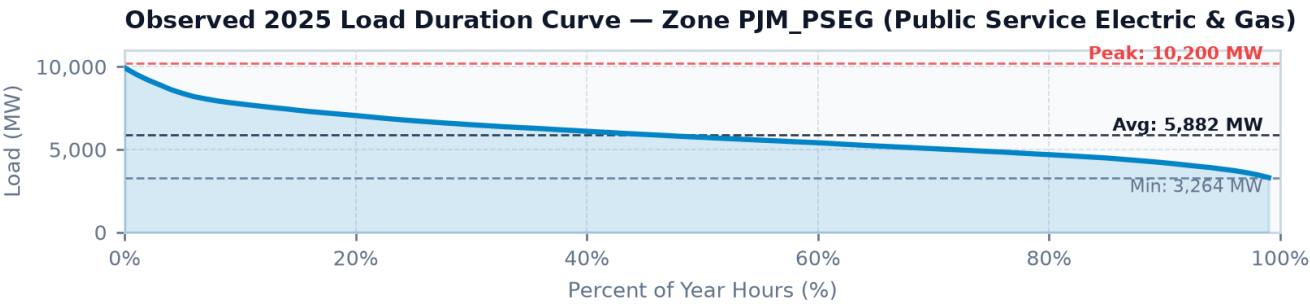
Zone PSEG: Public Service Electric & Gas — Comprehensive Grid Dossier

22	910 MW	450 MW	10,200 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 58%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.99
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	2,761
Queued Large-Load MW in Zone	660
Expected MW (within 24 Months)	62
Expected MW (within 60 Months)	450

Observed 2025 Load Duration Curve



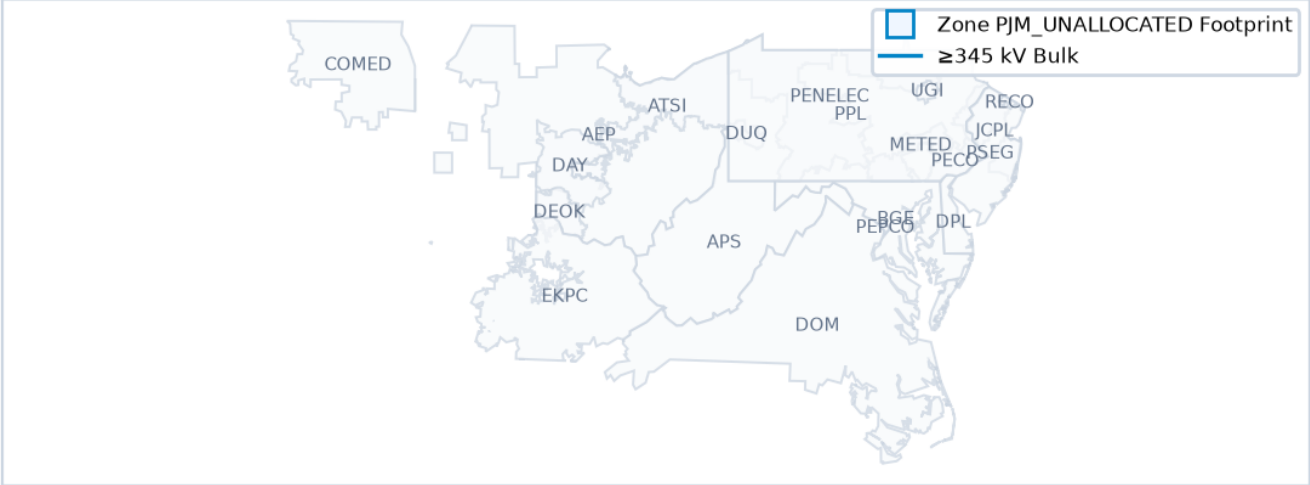
Active Large-Load Interconnection Requests in Zone PJM_PSEG

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
QTS	Middlesex	PSE&G;	65	67%	62	2029-10-01	Transmission substation
Digital Realty EWR21 Clifton	Clifton	PSE&G;	50	88%	33	2029-10-01	Transmission substation
Equinix NY5 Secaucus	Secaucus	PSE&G;	50	82%	33	2029-10-01	Transmission substation
Equinix NY3 Secaucus	Secaucus	PSE&G;	50	82%	33	2029-10-01	Transmission substation
Equinix NY6 Secaucus	Secaucus	PSE&G;	50	82%	33	2029-10-01	Transmission substation
Equinix NY4 Secaucus	Secaucus	PSE&G;	50	82%	33	2029-10-01	Transmission substation
Iron Mountain	Edison	PSE&G;	50	67%	36	2029-10-01	Transmission substation
CoreSite	Secaucus	PSE&G;	50	67%	36	2029-10-01	Transmission substation
CoreWeave	Kenilworth	PSE&G;	50	67%	36	2029-10-01	Transmission substation
365 Data Centers	Bridgewater	Transmission Operator	50	63%	36	2029-10-01	Transmission substation
Equinix	North Bergen	PSE&G;	50	67%	33	2029-10-01	Transmission substation
Equinix	Carteret	JCP&L;	50	67%	33	2029-10-01	Transmission substation
Digital Realty	Piscataway	JCP&L;	50	67%	33	2029-10-01	Transmission substation
Equinix	Secaucus	PSE&G;	50	67%	33	2029-10-01	Transmission substation
Equinix	Newark	PSE&G;	50	67%	33	2029-10-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone UNALLOCATED: PJM System-Wide Unallocated — Comprehensive Grid Dossier

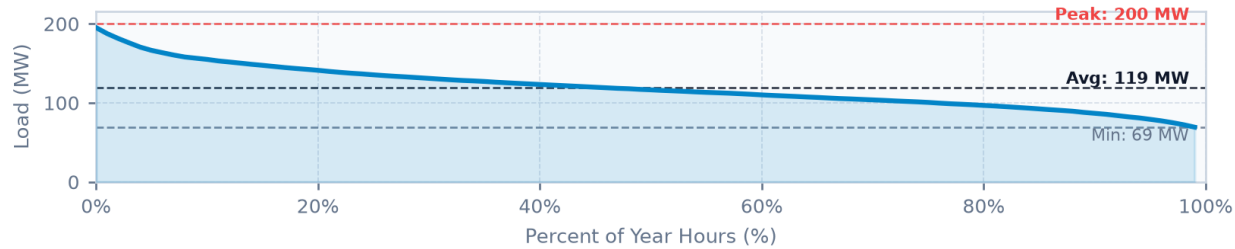
19	2,005 MW	798 MW	200 MW
TRACKED REQUESTS Active projects in zone	GROSS REQUESTED Undiscounted queue total	EXPECTED EVENTUAL Probability & realization adjusted	2025 PEAK LOAD Load factor: 60%



Locality / Capacity Region	Unmapped zone
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.94
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	16,128
Queued Large-Load MW in Zone	1,805
Expected MW (within 24 Months)	129
Expected MW (within 60 Months)	798

Observed 2025 Load Duration Curve

Observed 2025 Load Duration Curve — Zone PJM_UNALLOCATED (PJM System-Wide Unallocated)



Active Large-Load Interconnection Requests in Zone PJM_UNALLOCATED

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Eagle Rock Partners	Christian County	Transmission Operator	1,000	76%	520	2029-10-01	Transmission substation
TeraWulf	Hancock	Big Rivers Electric Corporation	401	66%	209	2029-10-01	Transmission substation
DartPoints	Lexington	Transmission Operator	70	76%	67	2029-10-01	Transmission substation
Core Scientific Marble	Cherokee		65	47%	62	2029-10-01	Transmission substation
Netrality	Indianapolis / Telecom Center	Transmission Operator	50	76%	36	2029-10-01	Transmission substation
365 Data Centers	Oakland	Transmission Operator	50	76%	36	2029-10-01	Transmission substation
PowerHouse Data Centers / Poe Companies	Louisville area	LG&E;	50	76%	36	2029-10-01	Transmission substation
WhiteFiber NC-1 Madison (Rockingham County)	Madison / Rockingham County		40	72%	29	2028-04-01	Utility study
Panattoni Data Centers	Burgin / Mercer County	Transmission Operator	50	76%	20	2029-10-01	Transmission substation
DC BLOX High Point	High Point / Guilford County		50	68%	20	2029-10-01	Transmission substation
WhiteFiber NC-2 / NC-3 Yadkin County	Yadkinville / Yadkin County		50	65%	20	2028-04-01	Utility study
ImpactData / Raeden Dream Center (Gateway Research Park)	Greensboro / Gateway Research Park		50	65%	20	2029-10-01	Transmission substation
Drox / Montrose Rural Hall (Project Iron Spur)	Rural Hall / Forsyth County		50	65%	20	2028-04-01	Utility study
Digital Realty Charlotte Court Arcade (East Trade Street)	Charlotte / Uptown		12	75%	7	2029-02-01	Unknown
Flexential Raleigh Morrisville	Morrisville / Research Triangle		4	72%	3	2028-04-01	Utility study

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VI: Interconnection Queue Compendium (All 356 Tracked Projects)

Master project directory of all 356 de-duplicated large-load interconnection requests actively tracked in the PJM queue. Ordered by expected net firm megawatts (net realized capacity weighted by commercial energization probability).

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
New Day Data Centers LLC (w/ DOE, SoftBank/SB Energy)	Pike	AEP	Transmission Operator	Other large load	10,000	53%	0.52	5,200	2029-10-01	Transmission substation	Announced / early planning
Unnamed in filings (press-attributed to Amazon Web Services)	Adams County	AEP	AES Ohio	Industrial manufacturing	1,300	58%	0.85	1,105	2028-04-01	Utility study	Announced / early planning
Pioneer Development LLC	Kendall	COMED	ComEd	Other large load	1,800	68%	0.52	936	2029-10-01	Transmission substation	Announced / early planning
HW Technology Park (Hillwood Investment Properties / PowerHouse Data Centers)	Will	COMED	ComEd	Other large load	1,800	68%	0.52	936	2029-10-01	Transmission substation	Announced / early planning
Rubix Data Centers / Submer	Russell	EKPC	Transmission Operator	Other large load	2,000	51%	0.52	1,040	2029-10-01	Transmission substation	Announced / early planning
Cornell Realty Management	Lackawanna	PPL	PPL	Other large load	1,600	55%	0.52	832	2029-10-01	Transmission substation	Announced / early planning
STACK Infrastructure	Stafford County	DOM	Dominion Energy	Multi tenant data center	1,100	61%	0.66	726	2029-10-01	Transmission substation	Under construction
CloudHQ	Loudoun	DOM	Dominion Energy	Other large load	1,256	61%	0.52	653	2029-10-01	Transmission substation	Announced / early planning
Eagle Rock Partners	Christian County	UNALLOCA TED	Transmission Operator	Other large load	1,000	76%	0.52	520	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Luzerne County	PPL	PPL	Hyperscale data center	960	55%	0.72	691	2029-10-01	Transmission substation	Under construction
EdgeCore Digital Infrastructure	Louisa	DOM	Rappahannock Electric Cooperative	Other large load	1,100	58%	0.52	572	2029-10-01	Transmission substation	Announced / early planning
AVAIO Digital Partners	Appomattox	DOM	Dominion Energy	Other large load	1,000	61%	0.52	520	2029-10-01	Transmission substation	Announced / early planning
Microsoft Corporation	Dauphin County	PPL	ATSI	Hyperscale data center	835	52%	0.72	601	2029-10-01	Transmission substation	Announced / early planning
Nscale	Point Pleasant / Mason County	AEP	Transmission Operator	Generic data center	1,350	53%	0.39	526	2029-10-01	Transmission substation	Advanced development

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Nebius	Butler Township / Highridge Business Park, Schuylkill County	PPL	Transmission Operator	Generic data center	1,200	54%	0.39	468	2029-10-01	Transmission substation	Advanced development
Muskie Data Campus	EastPark Industrial Park / Greenup County, Kentucky	EKPC		Other large load	1,000	47%	0.52	520	2028-04-01	Utility study	
Mudiita Infra	Ransom Township / Lackawanna County	PPL	Transmission Operator	Other large load	750	54%	0.52	390	2029-10-01	Transmission substation	Announced / early planning
TeraWulf	Charles County	PEPCO	Transmission Operator	Generic data center	800	54%	0.39	312	2029-10-01	Transmission substation	Advanced development
Nebius Group	Cumberland	AECO	Atlantic City Electric	Other large load	300	55%	0.96	288	2029-10-01	Transmission substation	Operational
OpenAI / SoftBank	Lordstown	ATSI	ATSI	Hyperscale data center	300	64%	0.72	216	2029-10-01	Transmission substation	Under construction
TeraWulf	Hancock	UNALLOCA TED	Big Rivers Electric Corporation	Other large load	401	66%	0.52	209	2029-10-01	Transmission substation	Announced / early planning
QTS / Blackstone	Van Wert	AEP	Transmission Operator	Other large load	500	53%	0.52	260	2029-10-01	Transmission substation	Announced / early planning
NTT	Loudoun	DOM	Dominion Energy	Other large load	224	61%	0.96	215	2029-10-01	Transmission substation	Operational
Sentinel Data Centers	Chester	PECO	PECO	Other large load	300	80%	0.52	156	2029-10-01	Transmission substation	Announced / early planning
Iron Mountain	Prince William	DOM	Transmission Operator	Generic data center	280	58%	0.72	202	2029-10-01	Transmission substation	Operational
STACK Infrastructure	Manassas	DOM	Northern Virginia Electric Cooperative (NOVEC)	Multi tenant data center	420	38%	0.66	277	2029-10-01	Transmission substation	Under construction
NTT Global Data Centers	Prince William	DOM	Transmission Operator	Other large load	336	58%	0.52	175	2029-10-01	Transmission substation	Announced / early planning

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Atmosphere Data Centers / Terra Energy	Dickerson / Montgomery County	PEPCO	Transmission Operator	Other large load	360	54%	0.52	187	2029-10-01	Transmission substation	Announced / early planning
NTT	Cook	COMED	ComEd	Other large load	200	48%	0.96	192	2029-10-01	Transmission substation	Operational
NorthPoint Development (NP Hazleton Holdings 1 LLC)	Luzerne	PPL	PPL	Other large load	300	57%	0.52	156	2029-10-01	Transmission substation	Announced / early planning
CoreWeave	Lancaster	PPL	PPL	Other large load	300	55%	0.52	156	2029-10-01	Transmission substation	Announced / early planning
CloudHQ	Prince William	DOM	Dominion Energy	Other large load	382	41%	0.52	199	2029-10-01	Transmission substation	Announced / early planning
Cologix	Loudoun	DOM	Dominion Energy	Other large load	120	61%	0.96	115	2029-10-01	Transmission substation	Operational
Aligned Data Centers	Loudoun	DOM	Dominion Energy	Other large load	120	61%	0.96	115	2029-10-01	Transmission substation	Operational
Vantage Data Centers	Loudoun	DOM	Transmission Operator	Other large load	206	58%	0.52	107	2029-10-01	Transmission substation	Announced / early planning
QTS Data Centers	Prince William	DOM	Transmission Operator	Other large load	190	58%	0.52	99	2029-10-01	Transmission substation	Announced / early planning
DartPoints	Lexington	UNALLOCATED	Transmission Operator	Other large load	70	76%	0.96	67	2029-10-01	Transmission substation	Operational
DataBank	Culpeper	DOM	Transmission Operator	Generic data center	120	58%	0.72	86	2029-10-01	Transmission substation	Under construction
Hyperscale Cloud Offtaker	Loudoun County	DOM	Dominion Energy	Hyperscale data center	100	59%	0.72	72	2029-10-01	Transmission substation	Announced / early planning
QTS	Middlesex	PSEG	PSE&G;	Other large load	65	67%	0.96	62	2029-10-01	Transmission substation	Operational
EdgeCore Digital Infrastructure	Loudoun	DOM	Dominion Energy	Generic data center	114	44%	0.72	82	2029-10-01	Transmission substation	Under construction
Vantage Data Centers	Licking	AEP	AEP	Other large load	192	36%	0.52	100	2029-10-01	Transmission substation	Announced / early planning
Logistix Property Group	Butler	DEOK	Transmission Operator	Other large load	100	63%	0.52	52	2029-10-01	Transmission substation	Announced / early planning
Aligned	Erie	ATSI	ATSI	Other large load	96	64%	0.52	50	2029-10-01	Transmission substation	Announced / early planning
QTS	East Windsor	JCPL	JCP&L;	Multi tenant data center	70	66%	0.66	46	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Core Scientific Marble	Cherokee	UNALLOCA TED		Other large load	65	47%	0.96	62	2029-10-01	Transmission substation	operational
EdgeCore Digital Infrastructure	Culpeper	DOM	Transmission Operator	Generic data center	196	38%	0.39	76	2029-10-01	Transmission substation	Advanced development
Digital Realty EWR21 Clifton	Clifton	PSEG	PSE&G;	Multi tenant data center	50	88%	0.66	33	2029-10-01	Transmission substation	Operational
365 Data Centers	Oakland	UNALLOCA TED	Transmission Operator	Generic data center	50	76%	0.72	36	2029-10-01	Transmission substation	Operational
Netrality	Indianapolis / Telecom Center	UNALLOCA TED	Transmission Operator	Generic data center	50	76%	0.72	36	2029-10-01	Transmission substation	Operational
PowerHouse Data Centers / Poe Companies	Louisville area	UNALLOCA TED	LG&E;	Generic data center	50	76%	0.72	36	2029-10-01	Transmission substation	Under construction
Crusoe	Summit View Business Park, Franklin County	AEP	Transmission Operator	Other large load	100	53%	0.52	52	2029-10-01	Transmission substation	Announced / early planning
Equinix NY5 Secaucus	Secaucus	PSEG	PSE&G;	Multi tenant data center	50	82%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix NY6 Secaucus	Secaucus	PSEG	PSE&G;	Multi tenant data center	50	82%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix NY3 Secaucus	Secaucus	PSEG	PSE&G;	Multi tenant data center	50	82%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix NY4 Secaucus	Secaucus	PSEG	PSE&G;	Multi tenant data center	50	82%	0.66	33	2029-10-01	Transmission substation	Operational
Edged US	DuPage	COMED	ComEd	Other large load	72	68%	0.52	37	2029-10-01	Transmission substation	Announced / early planning
Cologix New Jersey NNJ4 Cedar Knolls Wing	Cedar Knolls	JCPL		Multi tenant data center	50	74%	0.66	33	2028-04-01	Utility study	Operational
Cologix New Jersey NNJ3 Parsippany Webro	Morris	JCPL	JCP&L;	Multi tenant data center	50	74%	0.66	33	2028-04-01	Utility study	Operational
Meta	DeKalb	COMED	ComEd	Generic data center	50	68%	0.72	36	2029-10-01	Transmission substation	Operational
Stream Data Centers	Cook	COMED	ComEd	Generic data center	50	68%	0.72	36	2029-10-01	Transmission substation	Operational
CoreWeave	Kenilworth	PSEG	PSE&G;	Generic data center	50	67%	0.72	36	2029-10-01	Transmission substation	Under construction

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
CoreSite	Secaucus	PSEG	PSE&G;	Generic data center	50	67%	0.72	36	2029-10-01	Transmission substation	Operational
Iron Mountain	Edison	PSEG	PSE&G;	Generic data center	50	67%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Cook	COMED	Transmission Operator	Generic data center	50	64%	0.72	36	2029-10-01	Transmission substation	Operational
Homer City Redevelopment / Kiewit	Indiana	ATSI	ATSI	Generic data center	50	64%	0.72	36	2029-10-01	Transmission substation	Under construction
365 Data Centers	Bridgewater	PSEG	Transmission Operator	Generic data center	50	63%	0.72	36	2029-10-01	Transmission substation	Operational
Digital Realty ORD14 Franklin Park	Franklin Park	COMED	ComEd	Multi tenant data center	50	68%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty ORD13 Franklin Park	Franklin Park	COMED	ComEd	Multi tenant data center	50	68%	0.66	33	2029-10-01	Transmission substation	Operational
OVHcloud	Fauquier	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
CoreSite	Fairfax	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Data Services	Loudoun	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Under construction
Lumen Technologies	Fairfax	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
CleanArc Data Centers	Ruther Glen / Caroline County	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Under construction
Sabey Data Centers	Loudoun	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Under construction
Centersquare	Loudoun	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
Bank of America	Henrico	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
Serverfarm	Vienna	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
Evocative	Fairfax	DOM	Dominion Energy	Generic data center	50	61%	0.72	36	2029-10-01	Transmission substation	Operational
Equinix	North Bergen	PSEG	PSE&G;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Equinix	Secaucus	PSEG	PSE&G;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Carteret	PSEG	JCP&L;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Newark	PSEG	PSE&G;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Clifton	PSEG	PSE&G;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Piscataway	PSEG	JCP&L;	Multi tenant data center	50	67%	0.66	33	2029-10-01	Transmission substation	Operational
Strata Expense (backed by Supermicro + Ravel)	Lawrence	AEP	Transmission Operator	Other large load	80	53%	0.52	42	2029-10-01	Transmission substation	Announced / early planning
QTS	Loudoun	DOM	Dominion Energy	Other large load	55	41%	0.96	53	2029-10-01	Transmission substation	Operational
TierPoint	Montgomery	PECO	PECO	Generic data center	50	60%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Philadelphia	PECO	PECO	Generic data center	50	60%	0.72	36	2029-10-01	Transmission substation	Operational
Centersquare IAD4-B 21571 Beaumeade Circle	Loudoun	DOM	Dominion Energy	Generic data center	50	59%	0.72	36	2029-10-01	Transmission substation	Operational
CyrusOne CHI2 Aurora	Aurora	COMED	ComEd	Generic data center	50	59%	0.72	36	2028-04-01	Utility study	Operational
CyrusOne CHI3 Aurora	Aurora	COMED	ComEd	Generic data center	50	59%	0.72	36	2028-04-01	Utility study	Under construction
Visa	Loudoun	DOM	Transmission Operator	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services (with REB Investment Company, LLC as landowner)	Louisa	DOM	Rappahannock Electric Co-op	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Under construction
PowerHouse Data Centers (American Real Estate Partners / AREP, joint venture with Harrison Street)	Spotsylvania	DOM	Rappahannock Electric Co-op	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Under construction
PointOne Holdings Inc.	Fauquier	DOM	Transmission Operator	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Under construction
H5 Data Centers	Fairfax	DOM	Transmission Operator	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Compass Datacenters	Loudoun	DOM	NOVEC (Northern Virginia Electric Cooperative)	Generic data center	50	58%	0.72	36	2029-10-01	Transmission substation	Operational
WhiteFiber NC-1 Madison (Rockingham County)	Madison / Rockingham County	UNALLOCATED		Generic data center	40	72%	0.72	29	2028-04-01	Utility study	Partially energized
365 Data Centers	Bergen	PSEG	PSE&G;	Generic data center	50	57%	0.72	36	2029-10-01	Transmission substation	Operational
Cologix	Morris	JCPL	JCP&L;	Multi tenant data center	50	63%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix	Cedar Knolls	JCPL	Transmission Operator	Multi tenant data center	50	63%	0.66	33	2029-10-01	Transmission substation	Operational
365 Data Centers	Philadelphia	PECO	PECO	Generic data center	50	57%	0.72	36	2029-10-01	Transmission substation	Operational
365 Data Centers	Philadelphia	PECO	PECO	Generic data center	50	57%	0.72	36	2029-10-01	Transmission substation	Operational
Netrality	Philadelphia	PECO	PECO	Generic data center	50	57%	0.72	36	2029-10-01	Transmission substation	Operational
Digital Realty CH2 Elk Grove Village	Elk Grove Village	COMED	ComEd	Multi tenant data center	50	62%	0.66	33	2029-10-01	Transmission substation	Operational
EdgeConneX	Licking	AEP	Transmission Operator	Other large load	80	49%	0.52	42	2029-10-01	Transmission substation	Announced / early planning
CyrusOne NVA7	Loudoun	DOM	Dominion Energy	Generic data center	50	56%	0.72	36	2029-10-01	Transmission substation	Operational
CoreSite VA2	Fairfax	DOM	Dominion Energy	Generic data center	50	56%	0.72	36	2029-10-01	Transmission substation	Operational
CoreSite VA3	Fairfax	DOM	Dominion Energy	Generic data center	50	56%	0.72	36	2029-10-01	Transmission substation	Operational
EdgeConneX	Allegheny	DUQ	Transmission Operator	Generic data center	50	56%	0.72	36	2029-10-01	Transmission substation	Operational
Equinix	Philadelphia	PECO	PECO	Multi tenant data center	50	60%	0.66	33	2029-10-01	Transmission substation	Operational
PowerHouse Data Centers / Pennsylvania Data Center Partners	Middlesex Township / Carlisle	PPL	PPL	Generic data center	50	55%	0.72	36	2029-10-01	Transmission substation	Under construction
Equinix CH2 Chicago Cermak	Cook	COMED	ComEd	Multi tenant data center	50	59%	0.66	33	2028-04-01	Utility study	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Equinix CH4 Chicago Cermak	Cook	COMED	ComEd	Multi tenant data center	50	59%	0.66	33	2028-04-01	Utility study	Operational
Equinix	Loudoun	DOM	Transmission Operator	Multi tenant data center	50	58%	0.66	33	2029-10-01	Transmission substation	Operational
Centersquare IAD2-B 22860 International Drive	Loudoun	DOM	Dominion Energy	Generic data center	50	53%	0.72	36	2029-10-01	Transmission substation	Operational
Corscale	Loudoun	DOM	Dominion Energy	Generic data center	80	61%	0.39	31	2029-10-01	Transmission substation	Planned
Iron Mountain Manassas Point DC2	Prince William	DOM		Generic data center	50	53%	0.72	36	2029-10-01	Transmission substation	Operational
Iron Mountain Manassas Point DC1	Prince William	DOM		Generic data center	50	53%	0.72	36	2029-10-01	Transmission substation	Operational
AWS IAD-59 Doane Drive	Prince William	DOM	Rappahannock Electric Co-op	Generic data center	50	53%	0.72	36	2029-10-01	Transmission substation	Under construction
Flexential	West Chester	AEP	Transmission Operator	Generic data center	50	53%	0.72	36	2029-10-01	Transmission substation	Operational
Netrality Chicago 717 South Wells	Cook	COMED	ComEd	Generic data center	50	53%	0.72	36	2028-04-01	Utility study	Operational
Expedient	Pittsburgh / Green Tree	DUQ	Transmission Operator	Generic data center	50	52%	0.72	36	2028-04-01	Utility study	Operational
Expedient	Pittsburgh / North Shore	DUQ	Transmission Operator	Generic data center	50	52%	0.72	36	2028-04-01	Utility study	Operational
CoreSite DC2 Washington	Washington	PEPCO	PEPCO	Generic data center	50	52%	0.72	36	2029-10-01	Transmission substation	Operational
Expedient	Baltimore / Hull Street	BGE	Transmission Operator	Generic data center	50	52%	0.72	36	2029-10-01	Transmission substation	Operational
Digital Realty ACC7	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD37	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD36	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD44 Sterling	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD40	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Digital Realty ACC5	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty ACC9	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
QTS Moran	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
QTS Ashburn 3 DC2	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
QTS Ashburn 2 DC2	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC2	Ashburn / Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD12	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
QTS Ashburn 2 DC1	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD35	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD24	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty ACC6	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD14	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD38	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty IAD73	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	56%	0.66	33	2029-10-01	Transmission substation	Operational
Compass 42311 Thunderball Drive	Loudoun	DOM	NOVEC (Northern Virginia Electric Cooperative)	Generic data center	50	50%	0.72	36	2029-10-01	Transmission substation	Operational
Compass 42255 Thunderball Drive	Loudoun	DOM	NOVEC (Northern Virginia Electric Cooperative)	Generic data center	50	50%	0.72	36	2029-10-01	Transmission substation	Operational
Compass 42310 Thunderball Drive	Loudoun	DOM	NOVEC (Northern Virginia Electric Cooperative)	Generic data center	50	50%	0.72	36	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Compass 42370 Thunderball Drive	Loudoun	DOM	NOVEC (Northern Virginia Electric Cooperative)	Generic data center	50	50%	0.72	36	2029-10-01	Transmission substation	Operational
H5 Chantilly IAD31	Fairfax	DOM		Generic data center	50	50%	0.72	36	2029-10-01	Transmission substation	Operational
Equinix DC6	Ashburn / Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC22	Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC4	Ashburn / Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC12	Ashburn / Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix CU4	Culpeper	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC16	Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix CU2	Culpeper	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix CU3	Culpeper	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix DC5	Ashburn / Loudoun	DOM		Multi tenant data center	50	53%	0.66	33	2029-10-01	Transmission substation	Operational
Aligned	Cook	COMED	ComEd	Multi tenant data center	48	55%	0.66	32	2029-02-01	Unknown	Operational
CoreSite	Cook	COMED	ComEd	Generic data center	50	48%	0.72	36	2029-10-01	Transmission substation	Operational
CyrusOne	Aurora	COMED	ComEd	Generic data center	50	48%	0.72	36	2029-10-01	Transmission substation	Operational
CoreSite	Cook	COMED	ComEd	Generic data center	50	48%	0.72	36	2029-10-01	Transmission substation	Operational
Yondr Group	Manassas	DOM	NOVEC	Generic data center	72	58%	0.39	28	2029-10-01	Transmission substation	Advanced development
Skybox Datacenters	Cook	COMED	ComEd	Generic data center	30	75%	0.72	22	2029-02-01	Unknown	Operational
Expedient Cleveland CLE2 NEO	Cleveland / NEO Parkway	AEP		Generic data center	50	45%	0.72	36	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
365 Data Centers Chicago LaSalle	Cook	COMED	ComEd	Generic data center	50	45%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Cook	COMED	Transmission Operator	Generic data center	50	44%	0.72	36	2029-10-01	Transmission substation	Operational
Netrality	Cook	COMED	ComEd	Generic data center	50	44%	0.72	36	2029-10-01	Transmission substation	Operational
Cologix Columbus COL3	Franklin	AEP	AEP	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix Columbus COL5	Franklin	AEP	AEP	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Under construction
Cologix New Jersey NNJ1 Parsippany	Morris	JCPL	JCP&L;	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix Columbus COL2	Franklin	AEP	AEP	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix Columbus COL1	Franklin	AEP	AEP	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Franklin Park	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Cook	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Cook	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Cook	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Westmont	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Elk Grove Village	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Northlake	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Elk Grove Village	COMED	ComEd	Multi tenant data center	50	48%	0.66	33	2029-10-01	Transmission substation	Operational
Penn Hurst Holdings	East Vincent / Spring City (Pennhurst)	PECO	PECO	Generic data center	50	80%	0.39	20	2029-10-01	Transmission substation	Advanced development
Nebius New Jersey AI Factory	Cumberland	AECO	Atlantic City Electric	Generic data center	50	43%	0.72	36	2028-04-01	Utility study	Under construction

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Aligned Data Centers	Frederick	BGE	Transmission Operator	Multi tenant data center	72	32%	0.66	48	2029-10-01	Transmission substation	Under construction
Panattoni Data Centers	Burgin / Mercer County	UNALLOCA TED	Transmission Operator	Generic data center	50	76%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Centersquare	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
PowerHouse Data Centers	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Chesterfield / Meadowville	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Under construction
Microsoft	Prince William	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Data Services	Stafford	DOM	Dominion Energy	Generic data center	50	41%	0.72	36	2029-10-01	Transmission substation	Under construction
H5 Data Centers	Loudoun	DOM	Dominion Energy	Generic data center	42	49%	0.72	30	2029-02-01	Unknown	Operational
QTS Data Centers	Cook	COMED	ComEd	Multi tenant data center	40	55%	0.66	26	2029-02-01	Unknown	Operational
STACK Infrastructure	Cook	COMED	ComEd	Multi tenant data center	40	55%	0.66	26	2029-02-01	Unknown	Operational
Amazon Web Services	Shelby	DAY	AES Ohio	Generic data center	50	40%	0.72	36	2029-10-01	Transmission substation	Under construction
DataBank	Loudoun	DOM	Dominion Energy	Generic data center	40	49%	0.72	29	2029-02-01	Unknown	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Fauquier	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Chesterfield County	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Under construction
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
EdgeConneX	Henrico	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Spotsylvania	DOM	Rappahannock Electric Co-op	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Under construction
Amazon Web Services	Spotsylvania	DOM	Rappahannock Electric Co-op	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Under construction
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Microsoft	Mecklenburg	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Microsoft	Mecklenburg	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
EdgeConneX	Norfolk (City)	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Meta	Henrico	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Energizing
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Microsoft	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Fairfax	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Operational
Microsoft	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Energizing
Amazon Web Services	Loudoun	DOM	Transmission Operator	Generic data center	50	38%	0.72	36	2029-10-01	Transmission substation	Energizing
Digital Realty	Fairfax	DOM	Dominion Energy	Multi tenant data center	50	41%	0.66	33	2029-10-01	Transmission substation	Operational
Vantage Data Centers	Ashburn	DOM	Dominion Energy	Multi tenant data center	50	41%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Loudoun	DOM	Dominion Energy	Multi tenant data center	50	41%	0.66	33	2029-10-01	Transmission substation	Operational
Developer to be confirmed	Kane County	COMED	Transmission Operator	Generic data center	48	72%	0.39	19	2029-02-01	Unknown	Announced / early planning
CoreSite	Washington	PEPCO	PEPCO	Generic data center	50	37%	0.72	36	2029-10-01	Transmission substation	Operational
DC BLOX High Point	High Point / Guilford County	UNALLOCA TED		Generic data center	50	68%	0.39	20	2029-10-01	Transmission substation	Canceled
Meta	Licking	AEP	AEP	Generic data center	50	36%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Baltimore	BGE	BGE	Generic data center	50	35%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Baltimore	BGE	BGE	Generic data center	50	35%	0.72	36	2029-10-01	Transmission substation	Operational
Drox / Montrose Rural Hall (Project Iron Spur)	Rural Hall / Forsyth County	UNALLOCA TED		Generic data center	50	65%	0.39	20	2028-04-01	Utility study	Canceled

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
ImpactData / Raeden Dream Center (Gateway Research Park)	Greensboro / Gateway Research Park	UNALLOCATED		Generic data center	50	65%	0.39	20	2029-10-01	Transmission substation	Planned
WhiteFiber NC-2 / NC-3 Yadkin County	Yadkinville / Yadkin County	UNALLOCATED		Generic data center	50	65%	0.39	20	2028-04-01	Utility study	Announced / development
Equinix	Loudoun	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Culpeper	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Prince William	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Digital Realty	Prince William	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Ashburn / Loudoun	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Fairfax	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Equinix	Ashburn / Loudoun	DOM	Transmission Operator	Multi tenant data center	50	38%	0.66	33	2029-10-01	Transmission substation	Operational
Bristolville 25 Developer LLC / BHGH Properties	Trumbull	ATSI	ATSI	Generic data center	50	64%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Iron Mountain	Boyers	PPL	Allegheny Power	Generic data center	50	35%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Lehigh	PPL	Transmission Operator	Generic data center	50	34%	0.72	36	2029-10-01	Transmission substation	Operational
TierPoint	Lehigh	PPL	Transmission Operator	Generic data center	50	34%	0.72	36	2029-10-01	Transmission substation	Operational
T5 Data Centers	Chantilly	DOM	Dominion Energy	Generic data center	50	61%	0.39	20	2029-10-01	Transmission substation	Planned
Culpeper Acquisitions LLC	Culpeper	DOM	Dominion Energy	Generic data center	50	61%	0.39	20	2029-10-01	Transmission substation	Canceled
Cervenka Development Partners	Amherst	ATSI	Transmission Operator	Generic data center	50	61%	0.39	20	2029-10-01	Transmission substation	Advanced development
Amazon Web Services	Franklin	AEP	Union Rural Electric Coop, Inc	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Licking	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Energizing

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Expedient	Upper Arlington	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Franklin	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Franklin	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Franklin	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Licking	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Under construction
365 Data Centers	Cook	COMED	ComEd	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Expedient	Cleveland / NEO Parkway	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Union	AEP	Consolidated Electric Coop	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Licking	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Under construction
Expedient	Cleveland / NEO Parkway	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Union	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Under construction
365 Data Centers	Fairfax	DOM	Dominion Energy	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Amazon Web Services	Licking	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Expedient	Dublin	AEP	Transmission Operator	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Meta	Wood	AEP	Toledo Edison	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Under construction
Amazon Web Services	Union	AEP	Union Rural Electric Coop, Inc	Generic data center	50	33%	0.72	36	2029-10-01	Transmission substation	Operational
Google	Licking	AEP	AEP	Generic data center	37	44%	0.72	27	2029-02-01	Unknown	Energizing
Corscale Gainesville Crossing GCDC4	Gainesville	DOM	Dominion Energy	Generic data center	50	59%	0.39	20	2029-10-01	Transmission substation	Planned

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Corscale Gainesville Crossing GCDC2	Gainesville	DOM	Dominion Energy	Generic data center	50	59%	0.39	20	2029-10-01	Transmission substation	Planned
Corscale Gainesville Crossing GCDC3	Gainesville	DOM	Dominion Energy	Generic data center	50	59%	0.39	20	2029-10-01	Transmission substation	Planned
Corscale Gainesville Crossing GCDC5	Gainesville	DOM	Dominion Energy	Generic data center	50	59%	0.39	20	2029-10-01	Transmission substation	Planned
Expedient	Owings Mills	BGE	Transmission Operator	Generic data center	50	32%	0.72	36	2029-10-01	Transmission substation	Operational
NuVu	Petersburg	DOM	Transmission Operator	Generic data center	50	58%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Green Energy Ventures	King George	DOM	Transmission Operator	Generic data center	50	58%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Thornberry, LLC	Caroline	DOM	Rappahannock Electric Co-op	Generic data center	50	58%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Vint Hill Corners LLC	Fauquier	DOM	Transmission Operator	Generic data center	50	58%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Convergent VA LLC	Fauquier	DOM	Transmission Operator	Generic data center	50	58%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Archbald 25 Developer LLC	Archbald	PPL	PPL	Generic data center	50	57%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Centersquare	Weehawken	PSEG	PSE&G;	Generic data center	21	74%	0.72	15	2029-02-01	Unknown	Operational
Edged (an Endeavour company)	Franklin	AEP	AEP	Generic data center	24	64%	0.72	17	2029-02-01	Unknown	Operational
Cologix	Franklin	AEP	AEP	Multi tenant data center	50	33%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix	Franklin	AEP	AEP	Multi tenant data center	50	33%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix	Franklin	AEP	AEP	Multi tenant data center	50	33%	0.66	33	2029-10-01	Transmission substation	Under construction
Cologix	Franklin	AEP	AEP	Multi tenant data center	50	33%	0.66	33	2029-10-01	Transmission substation	Operational
Cologix	Morris	JCPL	JCP&L;	Multi tenant data center	50	33%	0.66	33	2029-10-01	Transmission substation	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Diversified Gas and Oil / Maverick Holdings	Gateway Business Park, Letcher County	EKPC	Transmission Operator	Generic data center	50	53%	0.39	20	2029-10-01	Transmission substation	Advanced development
Chirisa / PowerHouse Digital Drive Campus	Chester	DOM	Dominion Energy	Generic data center	50	53%	0.39	20	2029-10-01	Transmission substation	Planned
AWS Meadowdale Drive	Loudoun	DOM		Generic data center	50	53%	0.39	20	2029-10-01	Transmission substation	Planned
STACK Infrastructure	Franklin	AEP	Transmission Operator	Other large load	60	33%	0.52	31	2029-10-01	Transmission substation	Announced / early planning
Karis Critical	Naperville / I-88 corridor	COMED	Transmission Operator	Generic data center	36	72%	0.39	14	2029-02-01	Unknown	Canceled
Amazon Web Services	Loudoun	DOM	Transmission Operator	Crypto data center	50	38%	0.52	26	2029-10-01	Transmission substation	Planned
EdgeConneX	Cook	COMED	ComEd	Generic data center	24	55%	0.72	17	2029-02-01	Unknown	Operational
STACK NVA05 Manassas Campus	Manassas / Prince William	DOM	Northern Virginia Electric Cooperative (NOVEC)	Multi tenant data center	50	53%	0.36	18	2029-10-01	Transmission substation	Under development
COPT	Prince William	DOM	Transmission Operator	Generic data center	19	66%	0.72	14	2029-02-01	Unknown	Operational
Corscale	Gainesville	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Planned
Tract	Hanover	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Canceled
Amazon Data Services	Fauquier	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Caroline	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Planned
Chirisa Technology Parks	Chester	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Prince William	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Data Services	Prince William	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Announced / early planning

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Amazon Web Services	Loudoun	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Louisa	DOM	Dominion Energy	Generic data center	50	41%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Quantm Project Gold — Covington/Clifton (Lackawanna PA)	Covington Township / Clifton Township (North Pocono)	PPL	PPL	Generic data center	50	40%	0.39	20	2028-04-01	Utility study	Permitting
Serverfarm	Cook	COMED	Transmission Operator	Generic data center	20	52%	0.72	14	2029-02-01	Unknown	Operational
Microsoft	Mecklenburg	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Spotsylvania	DOM	Rappahannock Electric Co-op	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Manassas City	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Spotsylvania	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Microsoft	Mecklenburg	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Amazon Web Services	Prince William	DOM	Transmission Operator	Generic data center	50	38%	0.39	20	2029-10-01	Transmission substation	Planned
Google	Allen	AEP	AEP	Generic data center	50	36%	0.39	20	2029-10-01	Transmission substation	Announced / early planning
Amazon Web Services	Fayette County	AEP	Transmission Operator	Generic data center	50	35%	0.39	20	2029-10-01	Transmission substation	Advanced development
STACK Infrastructure	Manassas / Prince William	DOM	Northern Virginia Electric Cooperative (NOVEC)	Multi tenant data center	50	38%	0.36	18	2029-10-01	Transmission substation	Announced / early planning

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
STACK Infrastructure	Pittsylvania County / Danville	DOM	Regional utility / PJM	Multi tenant data center	50	38%	0.36	18	2029-10-01	Transmission substation	Advanced development
Centersquare	Hudson	PSEG	PSE&G;	Generic data center	12	74%	0.72	8	2029-02-01	Unknown	Operational
QTS	Kearneysville	APS	Allegheny Power	Multi tenant data center	50	35%	0.36	18	2029-10-01	Transmission substation	Announced / early planning
STACK Infrastructure	Loudoun	DOM	Dominion Energy	Multi tenant data center	17	49%	0.66	11	2029-02-01	Unknown	Operational
Centersquare	Cook	COMED	ComEd	Generic data center	13	55%	0.72	9	2029-02-01	Unknown	Operational
Digital Realty Charlotte Court Arcade (East Trade Street)	Charlotte / Uptown	UNALLOCA TED		Multi tenant data center	12	75%	0.55	7	2029-02-01	Unknown	Planning application
Middletown Data Center LLC / Cardinal Energy Corp	Frederick	DOM	Rappahannock Electric Cooperative	Generic data center	10	66%	0.72	7	2029-02-01	Unknown	Operational
TierPoint	Breinigsville / TekPark	PPL	Transmission Operator	Generic data center	17	36%	0.72	12	2029-02-01	Unknown	Operational
Centersquare	Piscataway	PSEG	JCP&L;	Generic data center	8	74%	0.72	6	2029-02-01	Unknown	Operational
Centersquare	Cook	COMED	ComEd	Generic data center	9	55%	0.72	6	2029-02-01	Unknown	Operational
DataBank	Oak Brook	COMED	ComEd	Generic data center	9	55%	0.72	6	2029-02-01	Unknown	Operational
Flexential	Collegeville	PECO	Transmission Operator	Generic data center	7	65%	0.72	5	2029-02-01	Unknown	Operational
DBT-DATA	Harrisonburg City	DOM	Dominion Energy	Generic data center	6	69%	0.72	4	2029-02-01	Unknown	Operational
DataBank	Pittsburgh	DUQ	Duquesne	Generic data center	5	72%	0.72	4	2029-02-01	Unknown	Operational
Flexential Raleigh Morrisville	Morrisville / Research Triangle	UNALLOCA TED		Generic data center	4	72%	0.72	3	2028-04-01	Utility study	Operational
Expedient	Carmel	UNALLOCA TED	Transmission Operator	Generic data center	4	66%	0.72	3	2029-02-01	Unknown	Operational
Flexential Charlotte North	Charlotte / University City	UNALLOCA TED		Generic data center	3	72%	0.72	2	2029-02-01	Unknown	Operational

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
DataBank	Piscataway	PSEG	JCP&L;	Generic data center	3	74%	0.72	2	2029-02-01	Unknown	Operational
Flexential	Louisville / Barret Avenue	UNALLOCA TED	Transmission Operator	Generic data center	3	66%	0.72	2	2029-02-01	Unknown	Operational
Centersquare	Cook	COMED	ComEd	Generic data center	4	55%	0.72	3	2029-02-01	Unknown	Operational
DataBank	Mount Prospect	COMED	ComEd	Generic data center	3	55%	0.72	2	2029-02-01	Unknown	Operational
DataBank	McLean / Fairfax	DOM	Dominion Energy	Generic data center	3	49%	0.72	2	2029-02-01	Unknown	Operational
Flexential	Henrico	DOM	Dominion Energy	Generic data center	3	49%	0.72	2	2029-02-01	Unknown	Operational
DataBank	Newark	PSEG	PSE&G;	Generic data center	2	74%	0.72	1	2029-02-01	Unknown	Operational
DataBank	Pittsburgh	DUQ	Duquesne	Generic data center	2	63%	0.72	1	2028-04-01	Utility study	Operational
DataBank	Cook	COMED	ComEd	Generic data center	2	55%	0.72	1	2029-02-01	Unknown	Operational
Flexential	Louisville / Nelson Miller	UNALLOCA TED	Transmission Operator	Generic data center	1	64%	0.72	1	2029-02-01	Unknown	Operational
Centersquare	Lewis Center	AEP	AEP	Generic data center	2	44%	0.72	1	2029-02-01	Unknown	Operational
Aligned	Conesville	AEP	AEP	Multi tenant data center	2	44%	0.66	1	2029-02-01	Unknown	Under construction
DataBank	Cook	COMED	ComEd	Generic data center	1	55%	0.72	1	2029-02-01	Unknown	Operational
DataBank	Philadelphia	PECO	PECO	Generic data center	0	68%	0.72	0	2029-02-01	Unknown	Operational
DataBank	Cleveland	ATSI	Cleveland Electric Illuminating	Generic data center	0	49%	0.72	0	2029-02-01	Unknown	Operational

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VI.1: Flagship Large-Load Project Dossiers

In-depth engineering profiles and thermal sensitivity screens for the top 10 highest-impact large-load interconnection requests across the PJM footprint, evaluating local transmission corridors, waterfall constraint breakdowns, and substation candidate links.

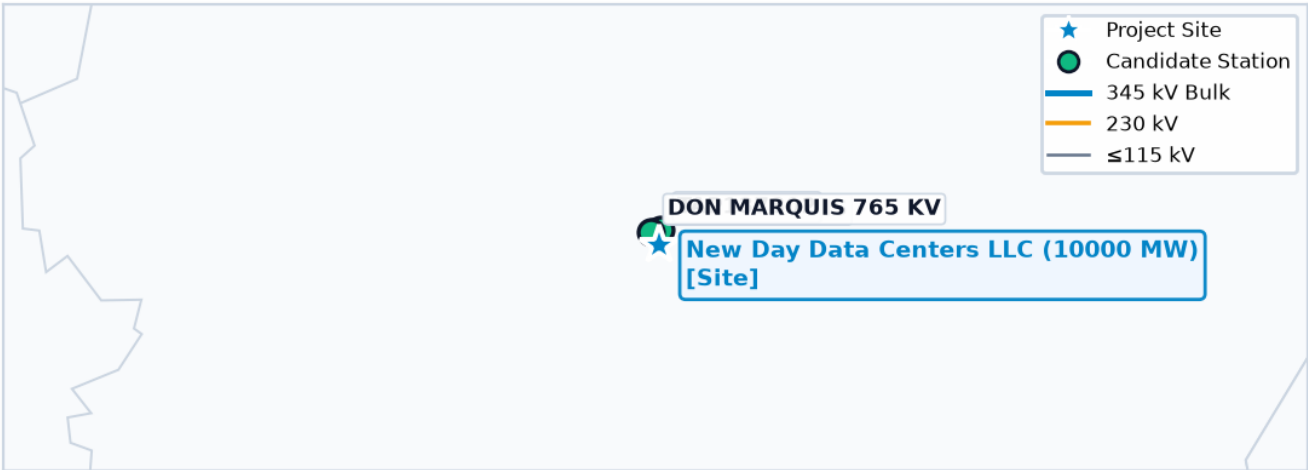
Flagship Profile: New Day Data Centers LLC (w/ DOE, SoftBank/SB Energy) (7a422f15)

53%
P(EVENTUAL)
Commercial probability

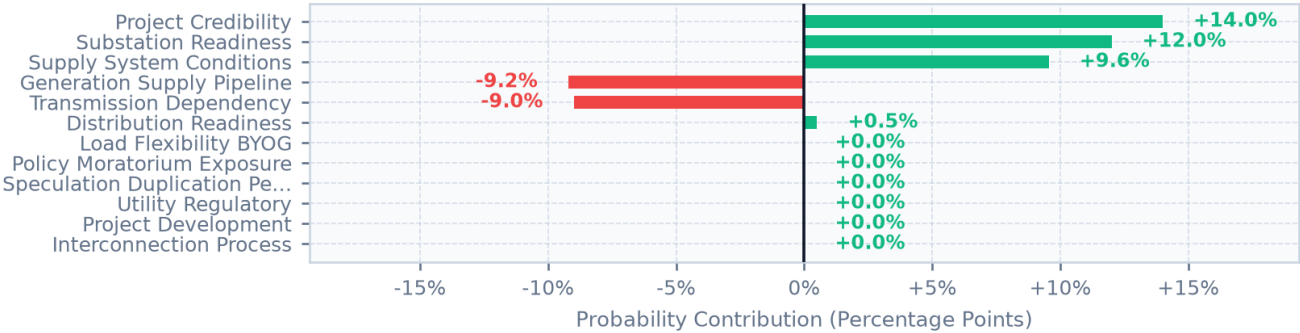
10,000 MW
REQUESTED MW
Queue face-value

5,200 MW
NET REALIZED MW
Firm bulk draw

Transmission substation
CRITICAL PATH
Primary gating constraint



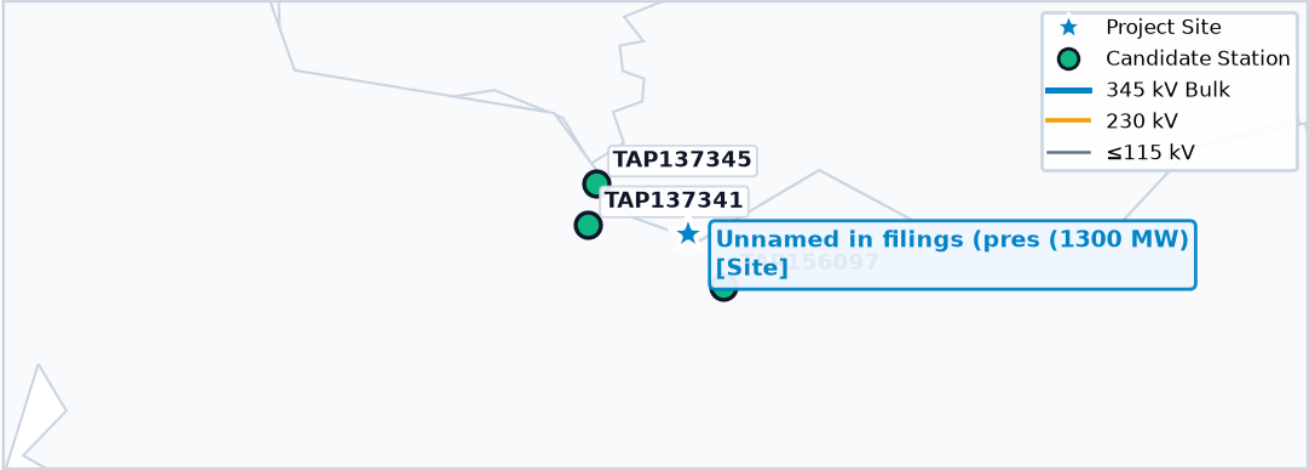
Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 53%)



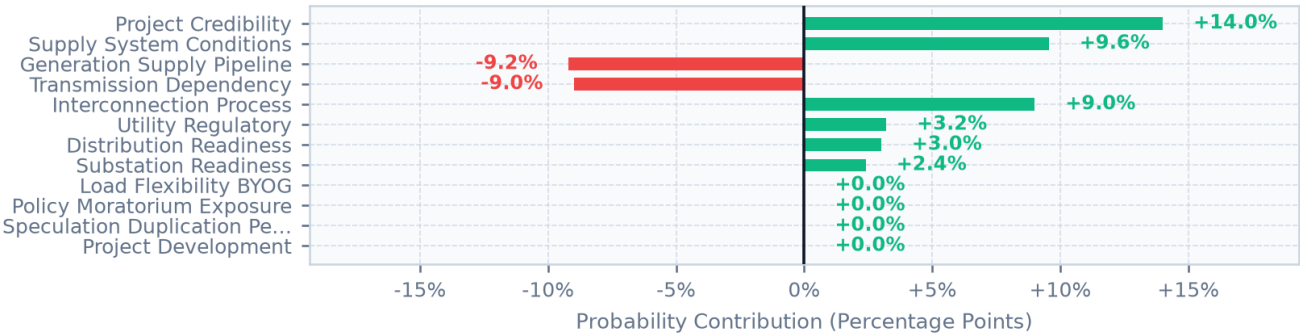
Developer / Sponsor	New Day Data Centers LLC (w/ DOE, SoftBank/SB Energy)
County / Municipality	Pike / —
Reliability Zone	Zone PJM_AEP
Electric Utility	Transmission Operator
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	DON MARQUIS (probable)
Service Voltage	—
Study Stage	—

Flagship Profile: Unnamed in filings (press-attributed to Amazon Web Services) (7867ceb0)

58% P(EVENTUAL) Commercial probability	1,300 MW REQUESTED MW Queue face-value	1,105 MW NET REALIZED MW Firm bulk draw	Utility study CRITICAL PATH Primary gating constraint
--	--	---	---



Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 58%)



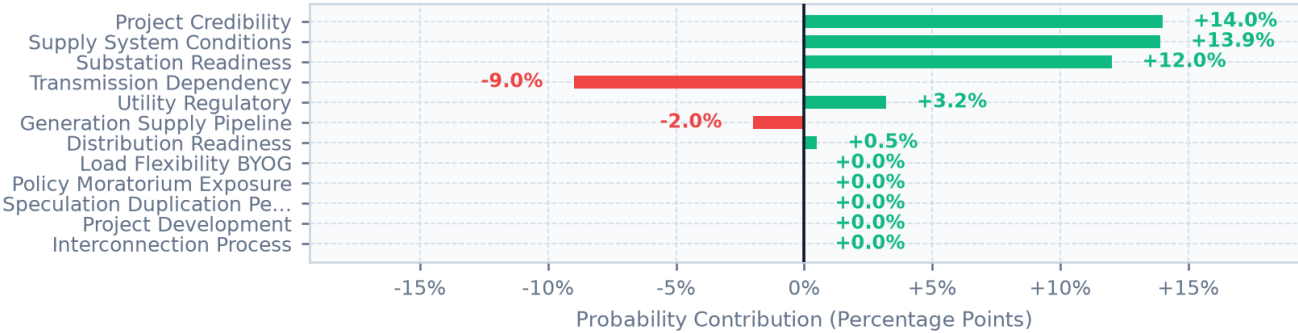
Developer / Sponsor	Unnamed in filings (press-attributed to Amazon Web Services)
County / Municipality	Adams County / —
Reliability Zone	Zone PJM_AEP
Electric Utility	AES Ohio
Load Classification	Industrial manufacturing
Expected Commercial Energization	2028-04-01
Point of Interconnection	J.M. Stuart Substation 345kV / 138kV switchyard vicinity
Service Voltage	—
Study Stage	—

Flagship Profile: Pioneer Development LLC (8250f5a5)

68% P(EVENTUAL) Commercial probability	1,800 MW REQUESTED MW Queue face-value	936 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
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Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 68%)



Developer / Sponsor	Pioneer Development LLC
County / Municipality	Kendall / —
Reliability Zone	Zone PJM_COMED
Electric Utility	ComEd
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	PLANO (138 KV) (possible)
Service Voltage	—
Study Stage	—

Flagship Profile: HW Technology Park (Hillwood Investment Properties / PowerHouse Data Centers) (137b9b60)

68%

P(EVENTUAL)
Commercial probability

1,800 MW

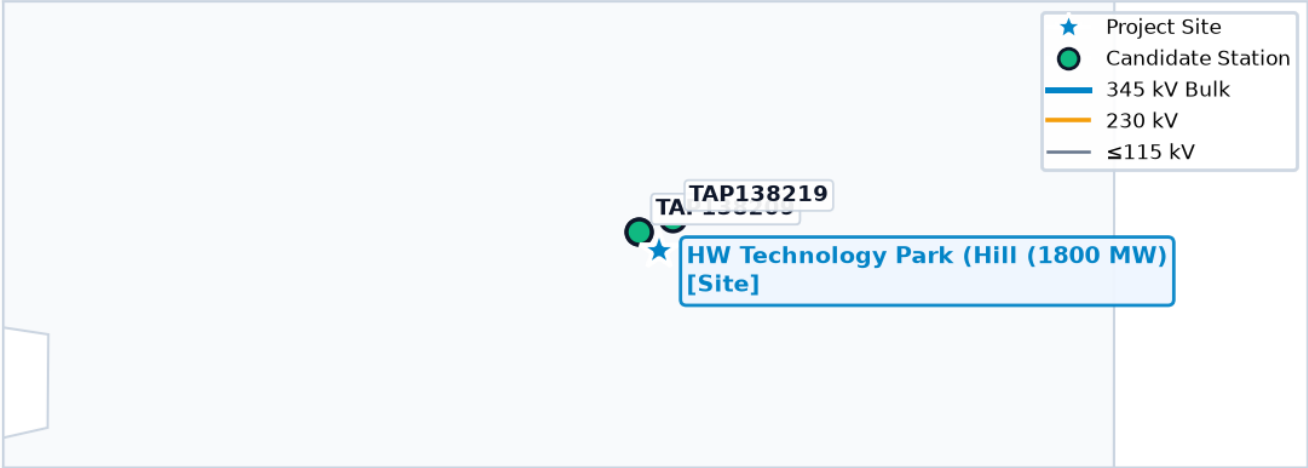
REQUESTED MW
Queue face-value

936 MW

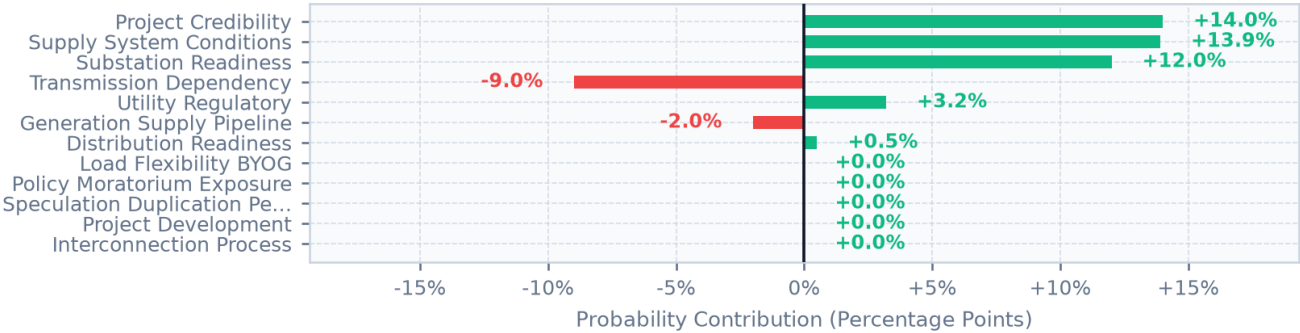
NET REALIZED MW
Firm bulk draw

Transmission substation

CRITICAL PATH
Primary gating constraint



Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 68%)



Developer / Sponsor	HW Technology Park (Hillwood Investment Properties / PowerHouse Data Centers)
County / Municipality	Will / —
Reliability Zone	Zone PJM_COMED
Electric Utility	ComEd
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	TAP138208 (possible)
Service Voltage	—
Study Stage	—

Flagship Profile: Rubix Data Centers / Submer (60647924)

51%

P(EVENTUAL)
Commercial probability

2,000 MW

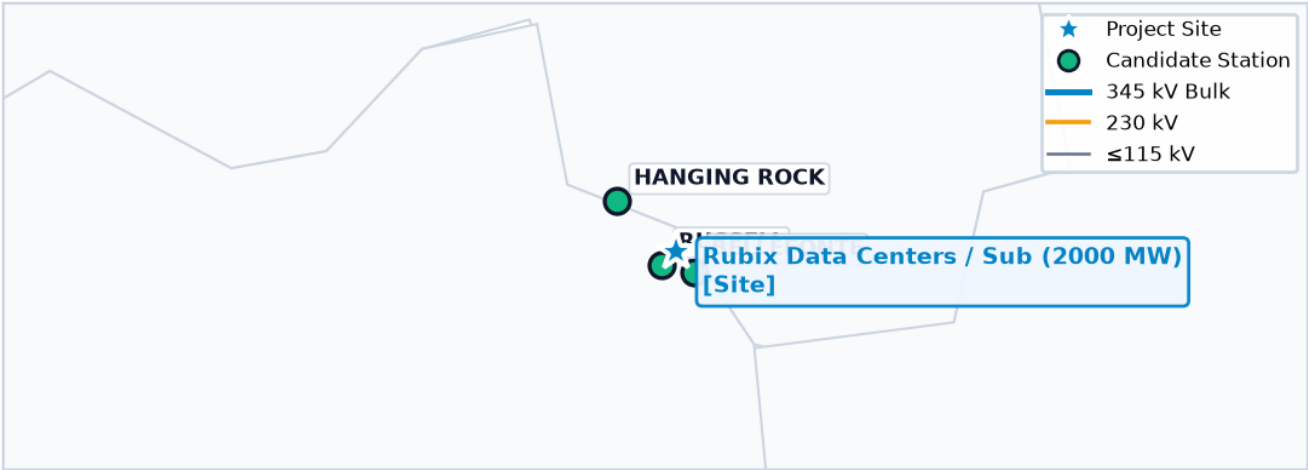
REQUESTED MW
Queue face-value

1,040 MW

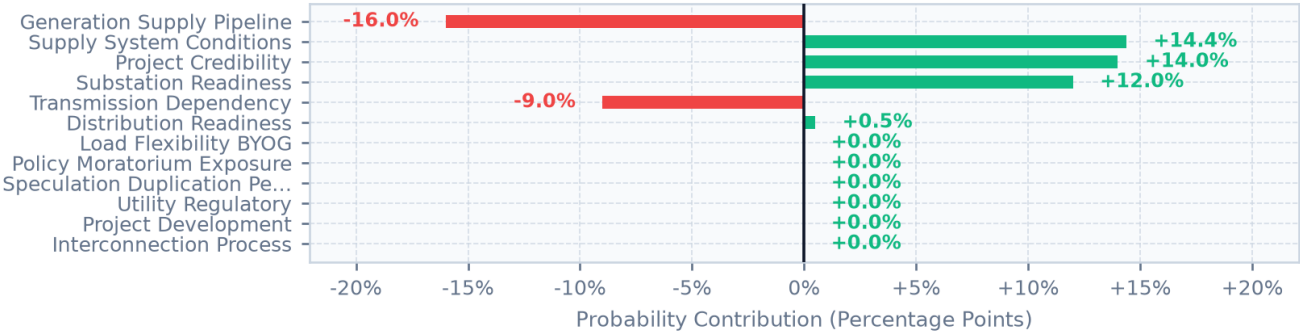
NET REALIZED MW
Firm bulk draw

Transmission substation

CRITICAL PATH
Primary gating constraint



Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 51%)



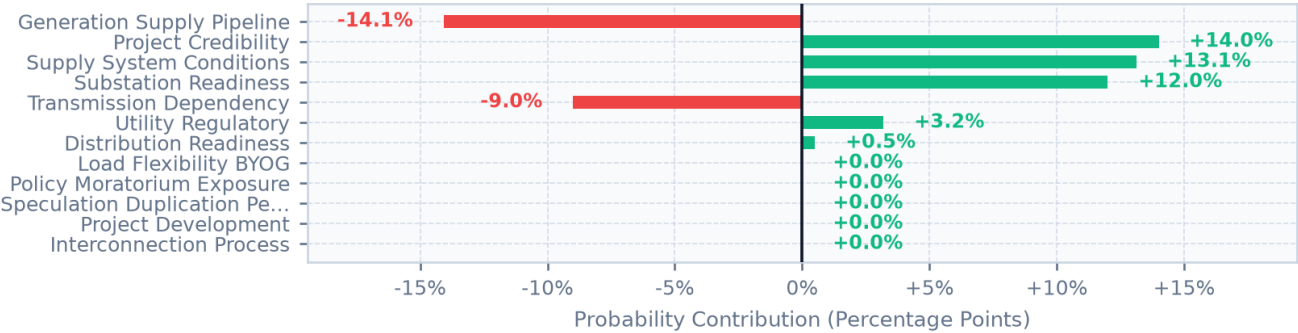
Developer / Sponsor	Rubix Data Centers / Submer
County / Municipality	Russell / —
Reliability Zone	Zone PJM_EKPC
Electric Utility	Transmission Operator
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	RUSSELL (confirmed_poi)
Service Voltage	—
Study Stage	—

Flagship Profile: Cornell Realty Management (847a8677)

55% P(EVENTUAL) Commercial probability	1,600 MW REQUESTED MW Queue face-value	832 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
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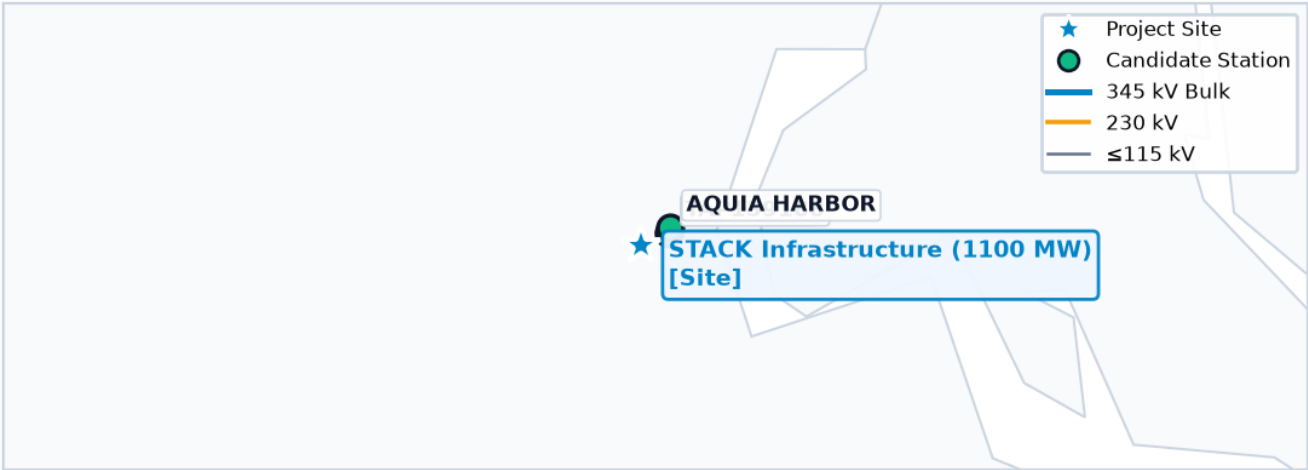
Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 55%)



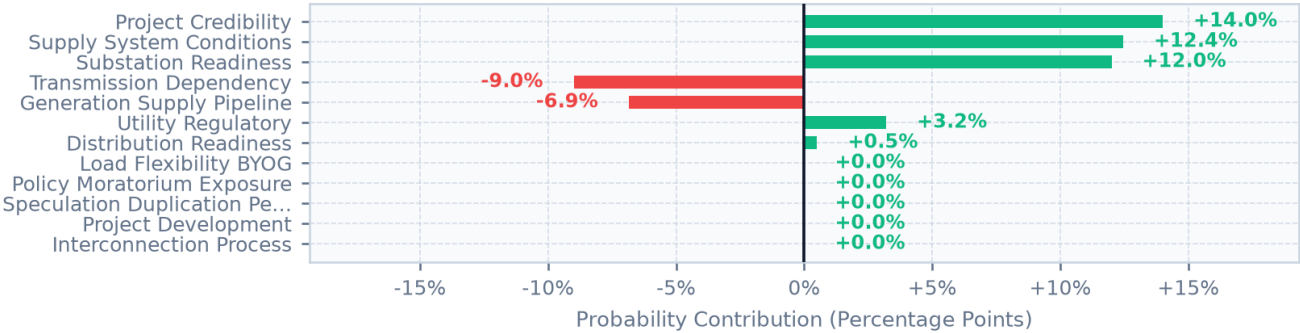
Developer / Sponsor	Cornell Realty Management
County / Municipality	Lackawanna / —
Reliability Zone	Zone PJM_PPL
Electric Utility	PPL
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	LACKAWANNA (probable)
Service Voltage	—
Study Stage	—

Flagship Profile: STACK Infrastructure (825a17b5)

61% P(EVENTUAL) Commercial probability	1,100 MW REQUESTED MW Queue face-value	726 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
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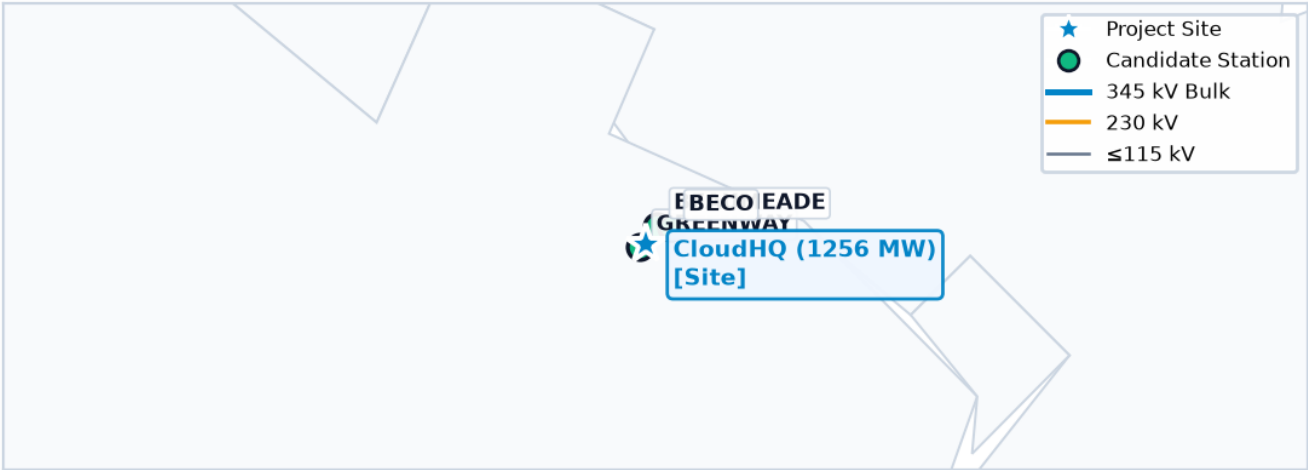
Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 61%)



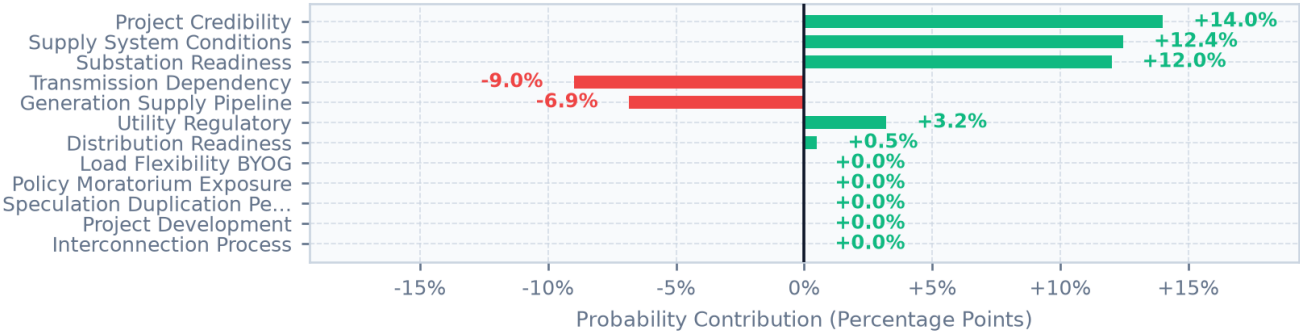
Developer / Sponsor	STACK Infrastructure
County / Municipality	Stafford County / —
Reliability Zone	Zone PJM_DOM
Electric Utility	Dominion Energy
Load Classification	Multi tenant data center
Expected Commercial Energization	2029-10-01
Point of Interconnection	STAFFORD (confirmed_poi)
Service Voltage	—
Study Stage	—

Flagship Profile: CloudHQ (bd0fbcd3)

61% P(EVENTUAL) Commercial probability	1,256 MW REQUESTED MW Queue face-value	653 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
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Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 61%)



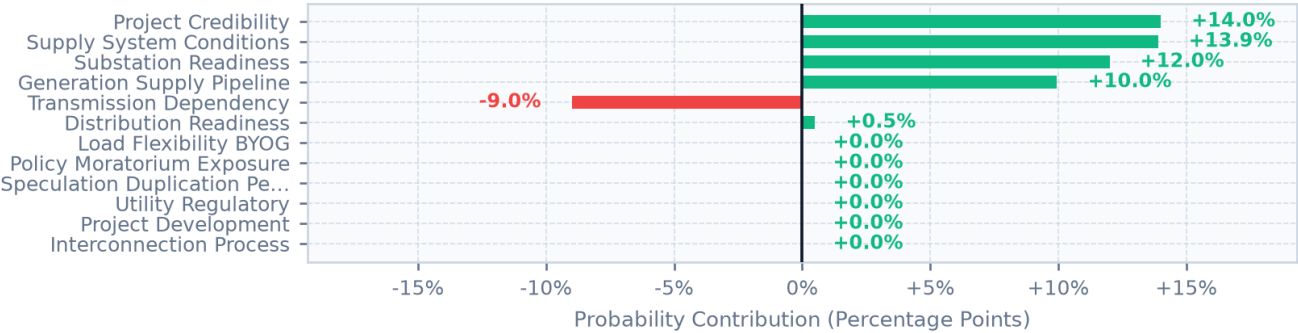
Developer / Sponsor	CloudHQ
County / Municipality	Loudoun / —
Reliability Zone	Zone PJM_DOM
Electric Utility	Dominion Energy
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	GREENWAY (probable)
Service Voltage	—
Study Stage	—

Flagship Profile: Eagle Rock Partners (820dff9)

76% P(EVENTUAL) Commercial probability	1,000 MW REQUESTED MW Queue face-value	520 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 76%)



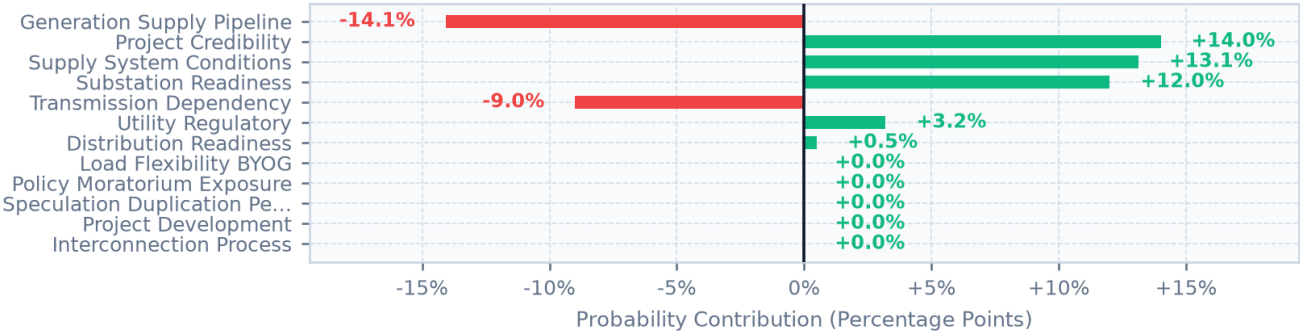
Developer / Sponsor	Eagle Rock Partners
County / Municipality	Christian County / —
Reliability Zone	Zone PJM_UNALLOCATED
Electric Utility	Transmission Operator
Load Classification	Other large load
Expected Commercial Energization	2029-10-01
Point of Interconnection	COFFEEN N (regional_candidate)
Service Voltage	—
Study Stage	—

Flagship Profile: Amazon Web Services (ac39b2a4)

55% P(EVENTUAL) Commercial probability	960 MW REQUESTED MW Queue face-value	691 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



Energization Probability Waterfall (Base Prior: 35% → Final P(evt): 55%)



Developer / Sponsor	Amazon Web Services
County / Municipality	Luzerne County / —
Reliability Zone	Zone PJM_PPL
Electric Utility	PPL
Load Classification	Hyperscale data center
Expected Commercial Energization	2029-10-01
Point of Interconnection	Susquehanna 500kV / 230kV switchyard (direct generation bus + PPL grid)
Service Voltage	—
Study Stage	—

Part VII: Substation Intelligence Catalog (All 3915 Nodes)

Complete technical catalog of all 3915 substations across the PJM Interconnection (PJM) footprint. Substations are evaluated across high-voltage transmission interconnect capabilities, evidence strength tiers, screening readiness bands, and linked large-load interconnection pipeline pressure.

7.1 Priority Bulk Transmission Interconnection Hubs

The following substations represent the primary candidate nodes experiencing direct pipeline connection requests or serving as major 230 kV / 345 kV / 500 kV bulk transmission transfer hubs.

Substation Name	Zone	Utility	Voltage	Readiness	Linked Reqs	Linked Exp. MW	DER Hosting Cap
DON MARQUIS 765 KV	AEP	AEP	765 kV	Limited	1	10,000	None found
TAP137802	AEP	Ohio Valley Electric Corp	345 kV	Minimal	1	10,000	None found
DON MARQUIS	AEP	Ohio Valley Electric Corp	345 kV	Minimal	1	10,000	None found
BEAUMEADE	DOM	Dominion Energy	230 kV	Minimal	109	7,160	None found
BECO	DOM	Dominion Energy	230 kV	Minimal	108	7,070	None found
GREENWAY	DOM	Dominion Energy	230 kV	Minimal	99	6,507	None found
SPICEWOOD	UNALLOCATED	AEP	138 kV	Minimal	3	3,000	None found
DUMONT	UNALLOCATED	Marshall County Rural E M C	765 kV	Minimal	12	2,350	None found
RUSSELL	UNALLOCATED	AEP	138 kV	Minimal	1	2,000	None found
BELLEFONTE	UNALLOCATED	AEP	138 kV	Minimal	1	2,000	None found
PLANO (345 KV)	COMED	ComEd	345 kV	Minimal	1	1,800	None found
TAP138209	COMED	ComEd	138 kV	Minimal	1	1,800	None found
TAP138219	COMED	ComEd	138 kV	Minimal	1	1,800	None found
TAP138208	COMED	ComEd	138 kV	Minimal	1	1,800	None found
PLANO (138 KV)	COMED	ComEd	138 kV	Minimal	1	1,800	None found
TAP138226	COMED	ComEd	138 kV	Minimal	1	1,800	None found
PECKVILLE	PPL	PPL	230 kV	Minimal	2	1,650	None found
TAP156224	PPL	PPL	69 kV	Minimal	2	1,650	None found
LACKAWANNA	PPL	PPL	500 kV	Minimal	1	1,600	None found
GAINESVILLE	DOM	Dominion Energy	230 kV	Minimal	23	1,436	None found
GAVIN	AEP	AEP	765 kV	Minimal	1	1,350	None found
TAP171369	AEP	Buckeye Rural Elec Coop, Inc	138 kV	Minimal	1	1,350	None found
LAKIN	UNALLOCATED	AEP	69 kV	Minimal	1	1,350	None found
TAP156097	UNALLOCATED	AES Ohio	69 kV	Minimal	1	1,300	None found
TAP139225	DOM	Northern Virginia Elec Coop	230 kV	Minimal	20	1,286	None found

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

7.2 Complete Substation Directory (3915 Nodes)

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ABINGDON	AEP	—	—	C	Limited	0	—
ADKINS	AEP	—	—	D	Minimal	0	—
AFFINITY	AEP	—	—	C	Limited	0	—
ANTRIM	AEP	—	—	D	Minimal	0	—
APPLE CREEK	AEP	—	—	A	Moderate	0	—
ATLANTA	AEP	—	—	D	Minimal	0	—
BARNESVILLE	AEP	—	—	A	Strong	0	—
BELLAIRE (OP)	AEP	—	—	A	Strong	0	—
BENNINGTON	AEP	—	—	D	Minimal	0	—
BENT MOUNTAIN	AEP	—	—	D	Minimal	0	—
BERRYWOOD	AEP	—	—	D	Minimal	0	—
BIERS RUN	AEP	—	—	C	Moderate	0	—
BIXBY	AEP	—	—	C	Limited	0	—
BLAINE	AEP	—	—	C	Limited	0	—
BLUEFIELD AVENUE	AEP	—	—	D	Minimal	0	—
BOLIVAR	AEP	—	—	C	Limited	0	—
BRADLEY	AEP	—	—	D	Minimal	0	—
BROADACRE	AEP	—	—	A	Moderate	0	—
BROADFORD (138 KV)	AEP	—	—	C	Limited	0	—
BROADFORD (765 KV)	AEP	—	—	C	Limited	0	—
BROOKSVILLE	AEP	—	—	D	Minimal	0	—
BROOKWOOD	AEP	—	—	C	Limited	0	—
BUCKSKIN	AEP	—	—	D	Minimal	1	50
BURLINGTON	AEP	—	—	C	Limited	0	—
CABIN CREEK	AEP	—	—	D	Minimal	0	—
CAPITOL HILL	AEP	—	—	C	Limited	0	—
CASTLETON	AEP	—	—	C	Limited	0	—
CATAWBA	AEP	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CAVE SPRING	AEP	—	—	C	Limited	0	—
CHEMICAL	AEP	—	—	D	Minimal	0	—
CHERRY CREEK	AEP	—	—	D	Minimal	0	—
CHESTERFIELD AVE	AEP	—	—	C	Limited	0	—
CHESTVIEW AVENUE	AEP	—	—	C	Limited	0	—
CIRCLEVILLE	AEP	—	—	C	Limited	0	—
CLAYTOR	AEP	—	—	C	Limited	0	—
CLEARBROOK	AEP	—	—	C	Limited	0	—
CLENDENIN	AEP	—	—	D	Minimal	0	—
CLUTCH SWITCH	AEP	—	—	A	Moderate	0	—
CONESVILLE STATION	AEP	—	—	A	Moderate	1	2
CORRIDOR	AEP	—	—	C	Minimal	12	552
CORRIDOR	AEP	—	—	A	Limited	3	134
CULLODEN	AEP	—	—	D	Minimal	0	—
DALEWOOD	AEP	—	—	D	Minimal	0	—
DARRAH	AEP	—	—	D	Minimal	0	—
DEADEND167167	AEP	—	—	C	Limited	0	—
DEVOLA	AEP	—	—	C	Moderate	0	—
DILLES BOTTOM	AEP	—	—	C	Moderate	0	—
DON MARQUIS	AEP	—	—	C	Minimal	1	10,000
DON MARQUIS 765 KV	AEP	—	—	A	Limited	1	10,000
DRESDEN	AEP	—	—	D	Minimal	0	—
EAST AMSTERDAM	AEP	—	—	D	Minimal	0	—
EAST BROAD STREET	AEP	—	—	C	Limited	0	—
EAST HUNTINGTON	AEP	—	—	D	Minimal	0	—
EAST LIMA SUBSTATION	AEP	—	—	D	Minimal	0	—
EAST PROCTORVILLE	AEP	—	—	A	Moderate	0	—
EAST RIVER MOUNTAIN	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
EAST SIDE LIMA	AEP	—	—	A	Moderate	0	—
EAST WAYNESBORO	AEP	—	—	D	Minimal	0	—
EASTOWN ROAD	AEP	—	—	D	Minimal	1	50
EDGEMONT	AEP	—	—	C	Limited	0	—
FALLING BRANCH	AEP	—	—	C	Limited	0	—
FAYETTEVILLE	AEP	—	—	D	Minimal	0	—
FINDLAY	AEP	—	—	A	Moderate	0	—
FLATLICK	AEP	—	—	D	Minimal	0	—
FLATWOOD	AEP	—	—	C	Limited	0	—
FORD LIMA	AEP	—	—	D	Minimal	1	50
FRANKLIN	AEP	—	—	C	Limited	1	100
FRIENDSHIP	AEP	—	—	D	Minimal	0	—
GALION	AEP	—	—	C	Limited	0	—
GAVIN	AEP	—	—	C	Minimal	1	1,350
GERMAN CHURCH	AEP	—	—	C	Limited	0	—
GIS-SUB-sci:OH:138kv	AEP	—	—	A	Moderate	0	—
GIS-SUB-sci:OH:765kv	AEP	—	—	C	Limited	0	—
GIS-SUB-sci:WV:138kv	AEP	—	—	C	Moderate	0	—
GIS-SUB-sci:WV:69kv	AEP	—	—	A	Moderate	0	—
GLENCOE	AEP	—	—	C	Moderate	0	—
GRAND POINT	AEP	—	—	D	Minimal	0	—
GREENE	AEP	—	—	D	Minimal	0	—
GUILFORD	AEP	—	—	C	Limited	0	—
HALLS RIDGE	AEP	—	—	D	Minimal	0	—
HANGING ROCK	AEP	—	—	C	Minimal	1	80
HATCHER	AEP	—	—	D	Minimal	0	—
HAYDEN	AEP	—	—	D	Minimal	7	350
HERNSHAW	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HIGHLAND	AEP	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HILLVIEW	AEP	—	—	D	Minimal	0	—
HOWARD	AEP	—	—	A	Moderate	0	—
HUBBARDSTOWN	AEP	—	—	D	Minimal	0	—
JACKSONS FERRY	AEP	—	—	C	Limited	0	—
JACKSONS FERRY	AEP	—	—	C	Limited	0	—
JUG STREET	AEP	—	—	C	Minimal	10	643
KAMMER (345KV)	AEP	—	—	A	Moderate	0	—
KANAWHA RIVER	AEP	—	—	C	Limited	0	—
KELLY CREEK	AEP	—	—	D	Minimal	0	—
KENOVA	AEP	—	—	C	Limited	0	—
KIRK	AEP	—	—	D	Minimal	0	—
KUMIS	AEP	—	—	D	Minimal	0	—
LAWRENCE	AEP	—	—	C	Limited	0	—
LEE HIGHWAY	AEP	—	—	C	Limited	0	—
LETTERKENNY	AEP	—	—	D	Minimal	0	—
LICK	AEP	—	—	C	Limited	0	—
LONDON	AEP	—	—	D	Minimal	0	—
LUCENT	AEP	—	—	C	Limited	0	—
MARION	AEP	—	—	D	Minimal	0	—
MARYSVILLE	AEP	—	—	C	Limited	0	—
MATT FUNK	AEP	—	—	D	Minimal	0	—
MATT FUNK	AEP	—	—	D	Minimal	0	—
MERRIMAC	AEP	—	—	D	Minimal	0	—
MILLERSPORT	AEP	—	—	D	Minimal	0	—
MILTON	AEP	—	—	C	Limited	0	—
MONROE STREET	AEP	—	—	C	Moderate	0	—
Mottville Twp Substation	AEP	—	—	A	Moderate	0	—
NEFF	AEP	—	—	C	Moderate	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NEW BARNESVILLE	AEP	—	—	C	Moderate	0	—
NEWCOMERSTOWN	AEP	—	—	D	Minimal	0	—
NORTH BLACKSBURG	AEP	—	—	D	Minimal	0	—
NORTH BRISTOL	AEP	—	—	D	Minimal	0	—
NORTH INTERTIE	AEP	—	—	D	Minimal	0	—
NORTH PROCTORVILLE SUBSTATION	AEP	—	—	D	Minimal	0	—
Northville Twp Substation	AEP	—	—	C	Limited	0	—
NORTHWEST LIMA	AEP	—	—	D	Minimal	1	50
OAK LEVEL	AEP	—	—	C	Limited	0	—
OHIO CENTRAL	AEP	—	—	D	Minimal	0	—
ORDINANCE JUNCTION	AEP	—	—	A	Moderate	0	—
PEAK CREEK	AEP	—	—	D	Minimal	0	—
PENHOOK	AEP	—	—	D	Minimal	0	—
POAGES MILL	AEP	—	—	C	Limited	0	—
PORTSMOUTH	AEP	—	—	A	Moderate	0	—
POSTON	AEP	—	—	D	Minimal	0	—
PROGRESS PARK	AEP	—	—	C	Limited	0	—
RACINE HYDRO	AEP	—	—	C	Limited	0	—
RISER167166	AEP	—	—	C	Limited	1	50
ROANOKE	AEP	—	—	C	Limited	0	—
ROXBURY	AEP	—	—	D	Minimal	0	—
RUTH	AEP	—	—	D	Minimal	0	—
SALTVILLE	AEP	—	—	C	Limited	0	—
SCHAHFER STATION	AEP	—	—	D	Minimal	0	—
SHAWNEE ROAD	AEP	—	—	A	Moderate	0	—
SHAWSVILLE	AEP	—	—	C	Limited	0	—
SMYRNA	AEP	—	—	A	Moderate	0	—
SOUTH BALTIMORE	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SOUTH BLUEFIELD	AEP	—	—	D	Minimal	0	—
SOUTH CHRISTIANBURG	AEP	—	—	C	Limited	0	—
SOUTH CHRISTIANSBURG	AEP	—	—	C	Limited	0	—
SOUTH COSHOCTON	AEP	—	—	C	Limited	1	2
SOUTH NEAL	AEP	—	—	D	Minimal	0	—
SOUTH POINT	AEP	—	—	C	Limited	0	—
SOUTH PRINCETON	AEP	—	—	D	Minimal	0	—
SOUTH RIDGE	AEP	—	—	D	Minimal	0	—
SPEEDWAY	AEP	—	—	D	Minimal	0	—
SPEIDEL	AEP	—	—	C	Moderate	0	—
STARKEY	AEP	—	—	C	Limited	0	—
STOTESBURY	AEP	—	—	C	Limited	0	—
STRASBURG	AEP	—	—	D	Minimal	0	—
SUMMERFIELD	AEP	—	—	D	Minimal	0	—
SUNNYSIDE	AEP	—	—	C	Limited	0	—
TACKETT CREEK	AEP	—	—	D	Minimal	0	—
TAMS MOUNTAIN	AEP	—	—	C	Limited	0	—
TANK HILL	AEP	—	—	C	Limited	1	100
TAP136873	AEP	—	—	D	Minimal	0	—
TAP136875	AEP	—	—	C	Moderate	0	—
TAP137101	AEP	—	—	C	Limited	0	—
TAP137102	AEP	—	—	D	Minimal	0	—
TAP137103	AEP	—	—	D	Minimal	0	—
TAP137104	AEP	—	—	D	Minimal	0	—
TAP137107	AEP	—	—	D	Minimal	0	—
TAP137121	AEP	—	—	D	Minimal	0	—
TAP137192	AEP	—	—	A	Moderate	0	—
TAP137193	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137199	AEP	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137200	AEP	—	—	D	Minimal	0	—
TAP137201	AEP	—	—	D	Minimal	0	—
TAP137222	AEP	—	—	D	Minimal	0	—
TAP137223	AEP	—	—	D	Minimal	0	—
TAP137390	AEP	—	—	C	Limited	1	50
TAP137560	AEP	—	—	D	Minimal	0	—
TAP137596	AEP	—	—	D	Minimal	0	—
TAP137598	AEP	—	—	D	Minimal	0	—
TAP137779	AEP	—	—	D	Minimal	0	—
TAP137780	AEP	—	—	D	Minimal	0	—
TAP137802	AEP	—	—	C	Minimal	1	10,000
TAP137804	AEP	—	—	C	Limited	0	—
TAP137806	AEP	—	—	D	Minimal	0	—
TAP137809	AEP	—	—	C	Limited	0	—
TAP137813	AEP	—	—	D	Minimal	0	—
TAP137817	AEP	—	—	D	Minimal	0	—
TAP137825	AEP	—	—	C	Moderate	0	—
TAP137826	AEP	—	—	D	Minimal	0	—
TAP137830	AEP	—	—	C	Limited	0	—
TAP137836	AEP	—	—	D	Minimal	0	—
TAP137838	AEP	—	—	C	Limited	0	—
TAP137840	AEP	—	—	D	Minimal	0	—
TAP137841	AEP	—	—	D	Minimal	0	—
TAP137843	AEP	—	—	D	Minimal	0	—
TAP137845	AEP	—	—	A	Moderate	0	—
TAP137847	AEP	—	—	A	Moderate	0	—
TAP138139	AEP	—	—	D	Minimal	0	—
TAP140073	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140157	AEP	—	—	C	Limited	0	—
TAP140158	AEP	—	—	C	Limited	0	—
TAP140159	AEP	—	—	C	Limited	0	—
TAP140160	AEP	—	—	C	Limited	0	—
TAP141094	AEP	—	—	C	Limited	0	—
TAP141117	AEP	—	—	C	Limited	0	—
TAP141206	AEP	—	—	D	Minimal	0	—
TAP147348	AEP	—	—	C	Limited	1	100
TAP147888	AEP	—	—	D	Minimal	0	—
TAP147983	AEP	—	—	D	Minimal	0	—
TAP147984	AEP	—	—	D	Minimal	0	—
TAP147985	AEP	—	—	D	Minimal	1	50
TAP147986	AEP	—	—	D	Minimal	0	—
TAP148036	AEP	—	—	D	Minimal	0	—
TAP148479	AEP	—	—	D	Minimal	0	—
TAP150325	AEP	—	—	D	Minimal	0	—
TAP150588	AEP	—	—	C	Limited	0	—
TAP150589	AEP	—	—	C	Limited	0	—
TAP150886	AEP	—	—	D	Minimal	0	—
TAP151008	AEP	—	—	D	Minimal	0	—
TAP151046	AEP	—	—	D	Minimal	2	160
TAP151047	AEP	—	—	D	Minimal	2	160
TAP151048	AEP	—	—	C	Limited	2	160
TAP151646	AEP	—	—	D	Minimal	0	—
TAP151649	AEP	—	—	D	Minimal	0	—
TAP151650	AEP	—	—	C	Limited	0	—
TAP151652	AEP	—	—	D	Minimal	0	—
TAP151653	AEP	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP151951	AEP	—	—	C	Limited	0	—
TAP152285	AEP	—	—	D	Minimal	0	—
TAP152393	AEP	—	—	C	Limited	0	—
TAP152402	AEP	—	—	D	Minimal	0	—
TAP152405	AEP	—	—	C	Limited	1	24
TAP152406	AEP	—	—	C	Limited	0	—
TAP152414	AEP	—	—	D	Minimal	12	600
TAP152416	AEP	—	—	D	Minimal	12	600
TAP152441	AEP	—	—	D	Minimal	1	50
TAP152446	AEP	—	—	A	Moderate	0	—
TAP152450	AEP	—	—	D	Minimal	1	50
TAP152452	AEP	—	—	A	Moderate	0	—
TAP152453	AEP	—	—	A	Moderate	0	—
TAP152824	AEP	—	—	C	Limited	0	—
TAP152832	AEP	—	—	D	Minimal	0	—
TAP152833	AEP	—	—	D	Minimal	0	—
TAP153619	AEP	—	—	C	Limited	1	50
TAP154003	AEP	—	—	D	Minimal	0	—
TAP154260	AEP	—	—	D	Minimal	0	—
TAP154269	AEP	—	—	C	Limited	0	—
TAP154467	AEP	—	—	D	Minimal	0	—
TAP155317	AEP	—	—	D	Minimal	0	—
TAP155321	AEP	—	—	C	Limited	0	—
TAP155322	AEP	—	—	D	Minimal	0	—
TAP155751	AEP	—	—	C	Limited	1	80
TAP155776	AEP	—	—	C	Limited	0	—
TAP155936	AEP	—	—	D	Minimal	0	—
TAP156106	AEP	—	—	C	Limited	1	80

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP158885	AEP	—	—	C	Moderate	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP158892	AEP	—	—	C	Limited	0	—
TAP158896	AEP	—	—	C	Limited	0	—
TAP160116	AEP	—	—	D	Minimal	0	—
TAP161789	AEP	—	—	D	Minimal	4	200
TAP162247	AEP	—	—	D	Minimal	0	—
TAP162250	AEP	—	—	D	Minimal	0	—
TAP162251	AEP	—	—	D	Minimal	0	—
TAP162254	AEP	—	—	D	Minimal	0	—
TAP162260	AEP	—	—	A	Moderate	0	—
TAP162545	AEP	—	—	D	Minimal	0	—
TAP162759	AEP	—	—	D	Minimal	0	—
TAP162760	AEP	—	—	D	Minimal	0	—
TAP162761	AEP	—	—	D	Minimal	0	—
TAP163634	AEP	—	—	A	Strong	0	—
TAP171315	AEP	—	—	C	Moderate	0	—
TAP171317	AEP	—	—	C	Moderate	0	—
TAP171319	AEP	—	—	C	Moderate	0	—
TAP171362	AEP	—	—	D	Minimal	0	—
TAP171369	AEP	—	—	C	Minimal	1	1,350
TAP171379	AEP	—	—	D	Minimal	0	—
TAP171380	AEP	—	—	D	Minimal	0	—
TAP171457	AEP	—	—	A	Strong	0	—
TAP171462	AEP	—	—	C	Limited	0	—
TAP171464	AEP	—	—	C	Limited	0	—
TAP171476	AEP	—	—	D	Minimal	0	—
TAP171478	AEP	—	—	D	Minimal	0	—
TAP171760	AEP	—	—	C	Limited	0	—
TAP171761	AEP	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP171762	AEP	—	—	C	Limited	0	—
TAP171982	AEP	—	—	C	Limited	0	—
TAP173179	AEP	—	—	A	Moderate	0	—
TAYLOR	AEP	—	—	A	Limited	0	—
TEXAS EASTERN	AEP	—	—	C	Limited	0	—
THORNTON	AEP	—	—	C	Limited	0	—
TIDD	AEP	—	—	A	Moderate	0	—
TRIMBLE	AEP	—	—	A	Moderate	0	—
TRISTATE	AEP	—	—	D	Minimal	0	—
TURNER	AEP	—	—	D	Minimal	0	—
VICKER	AEP	—	—	D	Minimal	0	—
VINTON	AEP	—	—	C	Limited	0	—
WARDS HOLLOW	AEP	—	—	D	Minimal	0	—
WAVERLY SUBSTATION	AEP	—	—	C	Limited	0	—
WEST BELLAIRE (138KV)	AEP	—	—	C	Moderate	0	—
WEST BELLAIRE (345KV)	AEP	—	—	C	Moderate	0	—
WEST COSHOCTON	AEP	—	—	D	Minimal	0	—
WEST DOVER	AEP	—	—	D	Minimal	0	—
WEST FRANKFORT	AEP	—	—	D	Minimal	0	—
WEST FRANKFORT EAST	AEP	—	—	D	Minimal	0	—
WEST HEBRON	AEP	—	—	A	Moderate	0	—
WEST HUNTINGTON	AEP	—	—	D	Minimal	0	—
WEST LANCASTER SUBSTATION	AEP	—	—	D	Minimal	0	—
WEST LIMA	AEP	—	—	A	Moderate	0	—
WEST MILLERSPORT	AEP	—	—	D	Minimal	0	—
WEST NEW PHILADELPHIA	AEP	—	—	A	Moderate	0	—
WEST SALEM	AEP	—	—	D	Minimal	0	—
WEST WAYNESBORO	AEP	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WINIFREDE	AEP	—	—	D	Minimal	0	—
WOOSTER	AEP	—	—	A	Moderate	0	—
WURNO	AEP	—	—	D	Minimal	0	—
WYTHE	AEP	—	—	C	Limited	0	—
AETNA	ATSI	—	—	A	Moderate	0	—
ALLIANCE CASTINGS	ATSI	—	—	A	Moderate	0	—
BABB	ATSI	—	—	A	Moderate	0	—
BEAVER	ATSI	—	—	C	Limited	1	50
BLUEBELL	ATSI	—	—	A	Moderate	0	—
BOARDMAN	ATSI	—	—	A	Moderate	0	—
BRUSH	ATSI	—	—	A	Moderate	0	—
CHAMBERLIN	ATSI	—	—	A	Moderate	0	—
COLLINWOOD	ATSI	—	—	D	Minimal	0	—
CORNERBURG	ATSI	—	—	A	Moderate	0	—
CRUM	ATSI	—	—	A	Moderate	0	—
DALE	ATSI	—	—	A	Moderate	0	—
DARROW	ATSI	—	—	A	Moderate	0	—
DEADEND167293	ATSI	—	—	C	Limited	1	50
EAST AKRON	ATSI	—	—	A	Moderate	0	—
EASTLAKE STATION	ATSI	—	—	D	Minimal	0	—
EVANS	ATSI	—	—	A	Moderate	0	—
FAIRCREST	ATSI	—	—	D	Minimal	0	—
FIRESTONE	ATSI	—	—	A	Moderate	0	—
GILCHRIST	ATSI	—	—	A	Moderate	0	—
GIS-SUB-sci:OH:69kv	ATSI	—	—	A	Moderate	0	—
HANNA	ATSI	—	—	A	Moderate	0	—
HIGHLAND	ATSI	—	—	C	Minimal	2	350
IMPERIAL	ATSI	—	—	A	Moderate	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
JUNIPER	ATSI	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
KEITH	ATSI	—	—	A	Moderate	0	—
KENYON	ATSI	—	—	A	Moderate	0	—
KEPLER	ATSI	—	—	A	Moderate	0	—
LAKEMORE	ATSI	—	—	A	Moderate	0	—
LARK	ATSI	—	—	A	Moderate	0	—
LEROY CENTER	ATSI	—	—	D	Minimal	0	—
LESTER	ATSI	—	—	A	Moderate	0	—
LINCOLN PARK	ATSI	—	—	A	Moderate	0	—
LOWELLVILLE	ATSI	—	—	A	Moderate	0	—
MASURY	ATSI	—	—	A	Moderate	0	—
MAXWELL	ATSI	—	—	A	Moderate	0	—
MILES AVENUE	ATSI	—	—	A	Moderate	0	—
MOORE	ATSI	—	—	A	Moderate	0	—
NEGLEY	ATSI	—	—	A	Moderate	0	—
NELSON	ATSI	—	—	A	Moderate	0	—
NEWTON FALLS	ATSI	—	—	A	Moderate	0	—
NINEMILE	ATSI	—	—	A	Moderate	1	0
NORDONIA	ATSI	—	—	A	Moderate	0	—
NORTH MEDINA	ATSI	—	—	A	Moderate	0	—
NORTHEAST CANTON	ATSI	—	—	D	Minimal	0	—
NORWAY	ATSI	—	—	A	Moderate	0	—
NOTTINGHAM	ATSI	—	—	A	Moderate	0	—
OAKWOOD STREET	ATSI	—	—	D	Minimal	0	—
PACKARD	ATSI	—	—	D	Minimal	0	—
PERRY	ATSI	—	—	A	Moderate	0	—
PINE	ATSI	—	—	A	Moderate	0	—
PROGRESSIVE	ATSI	—	—	D	Minimal	0	—
REEDURBAN	ATSI	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
REPUBLIC STEEL	ATSI	—	—	A	Moderate	0	—
ROSEMONT	ATSI	—	—	A	Moderate	0	—
SHALERSVILLE	ATSI	—	—	A	Moderate	0	—
SOUREK	ATSI	—	—	A	Moderate	0	—
SOUTH AKRON	ATSI	—	—	A	Moderate	0	—
SOUTH CANTON 138KV	ATSI	—	—	A	Moderate	0	—
SOUTH CANTON 345KV	ATSI	—	—	D	Minimal	0	—
SOUTH CANTON 765KV	ATSI	—	—	D	Minimal	0	—
SOUTH EAST CANTON	ATSI	—	—	D	Minimal	0	—
SPRUCE	ATSI	—	—	A	Moderate	0	—
STADIUM PARK	ATSI	—	—	D	Minimal	0	—
STAR	ATSI	—	—	D	Minimal	0	—
SUNNYSIDE	ATSI	—	—	D	Minimal	0	—
TAP136893	ATSI	—	—	A	Moderate	0	—
TAP136896	ATSI	—	—	D	Minimal	0	—
TAP136897	ATSI	—	—	D	Minimal	0	—
TAP136898	ATSI	—	—	D	Minimal	0	—
TAP136899	ATSI	—	—	D	Minimal	0	—
TAP136902	ATSI	—	—	A	Moderate	0	—
TAP136903	ATSI	—	—	D	Minimal	0	—
TAP136905	ATSI	—	—	A	Moderate	0	—
TAP136907	ATSI	—	—	D	Minimal	0	—
TAP136911	ATSI	—	—	A	Limited	1	50
TAP137127	ATSI	—	—	D	Minimal	0	—
TAP137135	ATSI	—	—	D	Minimal	0	—
TAP137136	ATSI	—	—	A	Moderate	0	—
TAP137138	ATSI	—	—	D	Minimal	0	—
TAP137139	ATSI	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137144	ATSI	—	—	A	Moderate	0	—
TAP137145	ATSI	—	—	D	Minimal	0	—
TAP137151	ATSI	—	—	D	Minimal	0	—
TAP137152	ATSI	—	—	A	Moderate	0	—
TAP137153	ATSI	—	—	D	Minimal	0	—
TAP137154	ATSI	—	—	D	Minimal	0	—
TAP137155	ATSI	—	—	A	Moderate	0	—
TAP137156	ATSI	—	—	D	Minimal	0	—
TAP137157	ATSI	—	—	D	Minimal	0	—
TAP137158	ATSI	—	—	D	Minimal	0	—
TAP137159	ATSI	—	—	D	Minimal	0	—
TAP137160	ATSI	—	—	D	Minimal	0	—
TAP137161	ATSI	—	—	A	Moderate	0	—
TAP137162	ATSI	—	—	D	Minimal	0	—
TAP137163	ATSI	—	—	A	Moderate	0	—
TAP137164	ATSI	—	—	D	Minimal	0	—
TAP137165	ATSI	—	—	A	Moderate	0	—
TAP137166	ATSI	—	—	A	Moderate	0	—
TAP137167	ATSI	—	—	D	Minimal	0	—
TAP137168	ATSI	—	—	D	Minimal	0	—
TAP137169	ATSI	—	—	A	Moderate	0	—
TAP137170	ATSI	—	—	D	Minimal	0	—
TAP137171	ATSI	—	—	D	Minimal	0	—
TAP137172	ATSI	—	—	D	Minimal	0	—
TAP137173	ATSI	—	—	D	Minimal	0	—
TAP137177	ATSI	—	—	D	Minimal	0	—
TAP137178	ATSI	—	—	D	Minimal	0	—
TAP137179	ATSI	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137181	ATSI	—	—	A	Moderate	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137182	ATSI	—	—	D	Minimal	0	—
TAP137184	ATSI	—	—	A	Moderate	0	—
TAP137185	ATSI	—	—	A	Moderate	0	—
TAP137186	ATSI	—	—	D	Minimal	0	—
TAP137187	ATSI	—	—	D	Minimal	0	—
TAP137188	ATSI	—	—	D	Minimal	0	—
TAP137190	ATSI	—	—	D	Minimal	0	—
TAP137191	ATSI	—	—	D	Minimal	0	—
TAP137238	ATSI	—	—	A	Moderate	0	—
TAP137242	ATSI	—	—	A	Moderate	0	—
TAP137243	ATSI	—	—	D	Minimal	0	—
TAP137244	ATSI	—	—	A	Moderate	0	—
TAP137861	ATSI	—	—	D	Minimal	0	—
TAP137863	ATSI	—	—	D	Minimal	0	—
TAP137864	ATSI	—	—	C	Limited	1	50
TAP145871	ATSI	—	—	A	Moderate	0	—
TAP148085	ATSI	—	—	D	Minimal	0	—
TAP148086	ATSI	—	—	D	Minimal	0	—
TAP148481	ATSI	—	—	A	Moderate	0	—
TAP148482	ATSI	—	—	D	Minimal	0	—
TAP152284	ATSI	—	—	D	Minimal	0	—
TAP154026	ATSI	—	—	D	Minimal	0	—
TAP154027	ATSI	—	—	A	Moderate	0	—
TAP154028	ATSI	—	—	D	Minimal	0	—
TAP155872	ATSI	—	—	D	Minimal	0	—
TAP155873	ATSI	—	—	D	Minimal	0	—
TAP162534	ATSI	—	—	C	Minimal	2	350
TAP163652	ATSI	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TIMKEN	ATSI	—	—	A	Moderate	0	—
TIMKEN MERCY	ATSI	—	—	A	Moderate	0	—
TORREY	ATSI	—	—	D	Minimal	0	—
TUSC	ATSI	—	—	A	Moderate	0	—
URBAN	ATSI	—	—	A	Moderate	0	—
WAGENHALS	ATSI	—	—	D	Minimal	0	—
WEST AKRON	ATSI	—	—	A	Moderate	0	—
WEST CANTON	ATSI	—	—	D	Minimal	0	—
WEST RAVENNA	ATSI	—	—	A	Moderate	0	—
BAGLEY	BGE	—	—	C	Limited	0	—
BRANDON SHORES	BGE	—	—	D	Minimal	0	—
CALVERT CLIFFS	BGE	—	—	C	Limited	0	—
CENTER	BGE	—	—	C	Limited	0	—
COLDSPRING	BGE	—	—	C	Limited	0	—
COLUMBIA	BGE	—	—	D	Minimal	0	—
CONASTONE	BGE	—	—	D	Minimal	0	—
CRYSTAL SPRINGS	BGE	—	—	D	Minimal	0	—
DUNKIRK	BGE	—	—	D	Minimal	0	—
EAST TOWSON	BGE	—	—	C	Limited	0	—
EASTPOINT	BGE	—	—	C	Limited	0	—
ERDMAN	BGE	—	—	C	Limited	0	—
FIVE FORKS	BGE	—	—	C	Limited	0	—
FREDERICK ROAD	BGE	—	—	D	Minimal	0	—
FULLERTON	BGE	—	—	C	Limited	0	—
GIS-SUB-sci:MD:115kv	BGE	—	—	C	Limited	0	—
GM ALISON	BGE	—	—	D	Minimal	0	—
GOLDEN RING	BGE	—	—	C	Limited	0	—
GRACETON	BGE	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GRANITE	BGE	—	—	D	Minimal	0	—
GRAY MANOR	BGE	—	—	C	Limited	0	—
GREENE STREET STATION	BGE	—	—	C	Limited	2	100
GUNPOWDER	BGE	—	—	C	Limited	0	—
HARFORD	BGE	—	—	C	Limited	0	—
HAZELWOOD	BGE	—	—	C	Limited	0	—
HIGH RIDGE	BGE	—	—	D	Minimal	0	—
HIGHLANDTOWN	BGE	—	—	C	Limited	1	50
HOLLAND CLIFF	BGE	—	—	D	Minimal	0	—
HOLLOFIELD	BGE	—	—	D	Minimal	0	—
HONEYGO	BGE	—	—	D	Minimal	0	—
HOWARD	BGE	—	—	D	Minimal	0	—
JOPPATOWNE	BGE	—	—	C	Limited	0	—
MARRIOTT HILL	BGE	—	—	D	Minimal	0	—
MAYS CHAPEL	BGE	—	—	D	Minimal	0	—
MIDDLE RIVER	BGE	—	—	D	Minimal	0	—
MONUMENT STREET	BGE	—	—	C	Limited	1	50
MOUNT HARMONY	BGE	—	—	D	Minimal	0	—
MOUNT WASHINGTON	BGE	—	—	C	Limited	0	—
NORTHEAST	BGE	—	—	D	Minimal	0	—
NORTHWEST	BGE	—	—	D	Minimal	0	—
NOTCH CLIFF	BGE	—	—	C	Limited	0	—
ORCHARD ST	BGE	—	—	C	Limited	1	50
PUMPHREY	BGE	—	—	C	Limited	0	—
RAPHAEL ROAD SWITCHING STATION	BGE	—	—	C	Limited	0	—
RISER123212	BGE	—	—	C	Limited	0	—
RISER170890	BGE	—	—	C	Limited	0	—
RISER170895	BGE	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RISER170896	BGE	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RISER170986	BGE	—	—	C	Limited	0	—
RISER170987	BGE	—	—	C	Limited	0	—
RIVA ROAD	BGE	—	—	C	Limited	0	—
RIVERSIDE (115KV)	BGE	—	—	D	Minimal	0	—
RIVERSIDE (230KV)	BGE	—	—	D	Minimal	0	—
SOLLERS WARF	BGE	—	—	C	Limited	0	—
SUNDERLAND	BGE	—	—	D	Minimal	0	—
TAP139042	BGE	—	—	C	Limited	0	—
TAP139075	BGE	—	—	D	Minimal	0	—
TAP139076	BGE	—	—	D	Minimal	0	—
TAP139077	BGE	—	—	D	Minimal	0	—
TAP139078	BGE	—	—	D	Minimal	1	50
TAP139079	BGE	—	—	D	Minimal	0	—
TAP139081	BGE	—	—	D	Minimal	0	—
TAP139082	BGE	—	—	D	Minimal	0	—
TAP139083	BGE	—	—	D	Minimal	0	—
TAP139084	BGE	—	—	D	Minimal	0	—
TAP139085	BGE	—	—	D	Minimal	0	—
TAP139086	BGE	—	—	D	Minimal	0	—
TAP139087	BGE	—	—	D	Minimal	0	—
TAP139088	BGE	—	—	D	Minimal	0	—
TAP139089	BGE	—	—	D	Minimal	0	—
TAP139091	BGE	—	—	D	Minimal	0	—
TAP139112	BGE	—	—	D	Minimal	0	—
TAP139113	BGE	—	—	D	Minimal	1	50
TAP139126	BGE	—	—	C	Limited	0	—
TAP139127	BGE	—	—	C	Limited	0	—
TAP139128	BGE	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139129	BGE	—	—	D	Minimal	0	—
TAP139130	BGE	—	—	C	Limited	0	—
TAP139131	BGE	—	—	C	Limited	0	—
TAP139132	BGE	—	—	C	Limited	0	—
TAP139133	BGE	—	—	C	Limited	0	—
TAP139134	BGE	—	—	C	Limited	0	—
TAP139135	BGE	—	—	C	Limited	0	—
TAP139136	BGE	—	—	C	Limited	0	—
TAP139137	BGE	—	—	D	Minimal	0	—
TAP139138	BGE	—	—	D	Minimal	0	—
TAP139139	BGE	—	—	D	Minimal	0	—
TAP139140	BGE	—	—	D	Minimal	0	—
TAP139141	BGE	—	—	D	Minimal	0	—
TAP139142	BGE	—	—	D	Minimal	0	—
TAP139143	BGE	—	—	C	Limited	0	—
TAP139144	BGE	—	—	C	Limited	0	—
TAP139145	BGE	—	—	C	Limited	0	—
TAP139146	BGE	—	—	C	Limited	0	—
TAP139147	BGE	—	—	C	Limited	0	—
TAP139148	BGE	—	—	C	Limited	0	—
TAP139149	BGE	—	—	C	Limited	0	—
TAP139150	BGE	—	—	C	Limited	0	—
TAP139151	BGE	—	—	C	Limited	0	—
TAP139152	BGE	—	—	D	Minimal	1	50
TAP139153	BGE	—	—	D	Minimal	0	—
TAP139154	BGE	—	—	D	Minimal	0	—
TAP139155	BGE	—	—	D	Minimal	0	—
TAP139156	BGE	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139157	BGE	—	—	D	Minimal	1	50
TAP139158	BGE	—	—	D	Minimal	0	—
TAP139159	BGE	—	—	D	Minimal	0	—
TAP139160	BGE	—	—	C	Limited	0	—
TAP139161	BGE	—	—	C	Limited	0	—
TAP139162	BGE	—	—	C	Limited	0	—
TAP139163	BGE	—	—	D	Minimal	0	—
TAP139164	BGE	—	—	D	Minimal	0	—
TAP139165	BGE	—	—	D	Minimal	0	—
TAP139166	BGE	—	—	D	Minimal	0	—
TAP139167	BGE	—	—	D	Minimal	0	—
TAP139168	BGE	—	—	D	Minimal	0	—
TAP139169	BGE	—	—	D	Minimal	0	—
TAP139170	BGE	—	—	D	Minimal	0	—
TAP139319	BGE	—	—	D	Minimal	0	—
TAP139388	BGE	—	—	C	Limited	0	—
TAP139389	BGE	—	—	C	Limited	0	—
TAP155935	BGE	—	—	D	Minimal	1	50
TAP161305	BGE	—	—	C	Limited	0	—
TAP161306	BGE	—	—	C	Limited	0	—
TAP161389	BGE	—	—	D	Minimal	0	—
TAP161390	BGE	—	—	D	Minimal	0	—
TAP161391	BGE	—	—	D	Minimal	0	—
TAP161566	BGE	—	—	D	Minimal	0	—
TAP170889	BGE	—	—	C	Limited	0	—
TAP170892	BGE	—	—	C	Limited	0	—
TAP170893	BGE	—	—	D	Minimal	0	—
TAP170894	BGE	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP173585	BGE	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP173586	BGE	—	—	C	Limited	0	—
VIADUCT AVENUE	BGE	—	—	D	Minimal	1	50
WAGNER	BGE	—	—	D	Minimal	0	—
WAUGH CHAPEL	BGE	—	—	C	Limited	0	—
WESTPORT	BGE	—	—	C	Limited	1	50
WILDE LAKE	BGE	—	—	D	Minimal	0	—
WINDY EDGE STATION	BGE	—	—	C	Limited	0	—
Albany Substation	COMED	—	—	C	Limited	0	—
ALSIP	COMED	—	—	C	Limited	0	—
ARLINGTON HEIGHTS	COMED	—	—	D	Minimal	0	—
BEDFORD PARK	COMED	—	—	C	Limited	0	—
BELLWOOD	COMED	—	—	C	Limited	1	50
BERKELEY	COMED	—	—	C	Limited	0	—
BLUE ISLAND	COMED	—	—	C	Limited	0	—
BOLLINGBROOK	COMED	—	—	C	Limited	0	—
BRAIDWOOD	COMED	—	—	D	Minimal	0	—
BURNHAM	COMED	—	—	C	Limited	0	—
BYRON	COMED	—	—	C	Limited	0	—
CHERRY VALLEY	COMED	—	—	D	Minimal	0	—
COLLINS	COMED	—	—	D	Minimal	0	—
COLLINS	COMED	—	—	D	Minimal	0	—
COMED 138KV DEVON	COMED	—	—	C	Limited	0	—
COMMONWEALTH EDISON DES PLAINES (138KV)	COMED	—	—	D	Minimal	0	—
COMMONWEALTH EDISON DES PLAINES (345KV)	COMED	—	—	D	Minimal	1	3
CRESTWOOD	COMED	—	—	C	Limited	0	—
DAVIS CREEK	COMED	—	—	D	Minimal	0	—
DEADEND167133	COMED	—	—	D	Minimal	1	114

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND167142	COMED	—	—	C	Limited	0	—
DEADEND167146	COMED	—	—	C	Limited	0	—
DEADEND167147	COMED	—	—	D	Minimal	0	—
DEADEND167148	COMED	—	—	D	Minimal	0	—
DEADEND167150	COMED	—	—	C	Limited	0	—
DEADEND167152	COMED	—	—	D	Minimal	0	—
DEADEND167153	COMED	—	—	D	Minimal	0	—
DRESDEN STATION	COMED	—	—	C	Limited	0	—
EAST FRANKFORT	COMED	—	—	D	Minimal	0	—
EAST ROCKTON	COMED	—	—	D	Minimal	0	—
EASY ROAD	COMED	—	—	D	Minimal	0	—
ELECTRIC LIGHT 345 KV	COMED	—	—	C	Minimal	8	422
ELMHURST	COMED	—	—	C	Limited	1	48
ELWOOD	COMED	—	—	C	Limited	0	—
EVERGREEN PARK	COMED	—	—	C	Limited	0	—
FRANKLIN PARK	COMED	—	—	C	Minimal	9	450
FRONTENAC	COMED	—	—	C	Minimal	7	350
GIS-SUB-sci:IL:138kv	COMED	—	—	C	Limited	0	—
GOLF MILL	COMED	—	—	C	Limited	0	—
GOODINGS GROVE	COMED	—	—	D	Minimal	0	—
HAYFORD	COMED	—	—	C	Minimal	12	422
HEGEWISCH	COMED	—	—	C	Limited	0	—
HENNEPIN	COMED	—	—	D	Minimal	0	—
ITASCA	COMED	—	—	C	Minimal	2	230
JOLIET	COMED	—	—	C	Limited	0	—
LA SALLE	COMED	—	—	D	Minimal	0	—
LAKE GEORGE	COMED	—	—	D	Minimal	0	—
LANSING	COMED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LIBERTYVILLE	COMED	—	—	D	Minimal	0	—
LINCOLN	COMED	—	—	C	Limited	0	—
LISLE	COMED	—	—	C	Limited	2	40
LOCKPORT	COMED	—	—	C	Limited	0	—
LOMBARD	COMED	—	—	C	Limited	0	—
MATTESON	COMED	—	—	D	Minimal	0	—
MEADOWS	COMED	—	—	C	Limited	2	40
MEREDOSIA	COMED	—	—	D	Minimal	0	—
MONTGOMERY	COMED	—	—	C	Limited	0	—
NELSON	COMED	—	—	D	Minimal	0	—
NILES	COMED	—	—	C	Limited	0	—
NORTHBROOK	COMED	—	—	C	Limited	0	—
OAK BROOK	COMED	—	—	C	Limited	2	59
OSWEGO	COMED	—	—	C	Limited	0	—
PARK AVE	COMED	—	—	D	Minimal	0	—
PLANO (138 KV)	COMED	—	—	C	Minimal	1	1,800
PLANO (345 KV)	COMED	—	—	C	Minimal	1	1,800
PLANO (765 KV)	COMED	—	—	C	Limited	0	—
PLEASANT HILL	COMED	—	—	C	Limited	0	—
PLEASANT VALLEY	COMED	—	—	D	Minimal	0	—
PONTIAC MIDPOINT	COMED	—	—	D	Minimal	0	—
PROSPECT HEIGHTS	COMED	—	—	D	Minimal	0	—
RISER160109	COMED	—	—	C	Limited	0	—
RISER160110	COMED	—	—	C	Limited	0	—
RISER160111	COMED	—	—	C	Limited	0	—
RISER160112	COMED	—	—	C	Limited	0	—
RISER167141	COMED	—	—	D	Minimal	1	50
RISER167143	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RISER167144	COMED	—	—	D	Minimal	0	—
ROUTE 59	COMED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ROYCE	COMED	—	—	C	Limited	0	—
SILVER LAKE	COMED	—	—	D	Minimal	0	—
SKOKIE (138 KV)	COMED	—	—	C	Limited	0	—
SKOKIE (345 KV)	COMED	—	—	C	Limited	0	—
SOUTH HOLLAND	COMED	—	—	C	Limited	0	—
SPRING BROOK	COMED	—	—	C	Limited	0	—
STERLING STEEL	COMED	—	—	D	Minimal	1	114
TAP136943	COMED	—	—	D	Minimal	0	—
TAP136944	COMED	—	—	D	Minimal	0	—
TAP136945	COMED	—	—	D	Minimal	0	—
TAP136946	COMED	—	—	D	Minimal	0	—
TAP136947	COMED	—	—	D	Minimal	0	—
TAP136948	COMED	—	—	D	Minimal	0	—
TAP136949	COMED	—	—	D	Minimal	0	—
TAP136950	COMED	—	—	D	Minimal	0	—
TAP136951	COMED	—	—	D	Minimal	0	—
TAP136952	COMED	—	—	D	Minimal	0	—
TAP136956	COMED	—	—	D	Minimal	0	—
TAP136957	COMED	—	—	D	Minimal	0	—
TAP136958	COMED	—	—	D	Minimal	0	—
TAP136959	COMED	—	—	D	Minimal	0	—
TAP136960	COMED	—	—	D	Minimal	0	—
TAP137633	COMED	—	—	D	Minimal	0	—
TAP137634	COMED	—	—	D	Minimal	0	—
TAP137716	COMED	—	—	D	Minimal	0	—
TAP137718	COMED	—	—	D	Minimal	0	—
TAP137719	COMED	—	—	D	Minimal	0	—
TAP137720	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137723	COMED	—	—	D	Minimal	0	—
TAP137724	COMED	—	—	D	Minimal	0	—
TAP137867	COMED	—	—	D	Minimal	0	—
TAP137868	COMED	—	—	D	Minimal	0	—
TAP137869	COMED	—	—	D	Minimal	0	—
TAP137870	COMED	—	—	D	Minimal	0	—
TAP137871	COMED	—	—	D	Minimal	0	—
TAP137872	COMED	—	—	D	Minimal	0	—
TAP137873	COMED	—	—	D	Minimal	0	—
TAP137874	COMED	—	—	D	Minimal	0	—
TAP137875	COMED	—	—	D	Minimal	0	—
TAP137876	COMED	—	—	D	Minimal	0	—
TAP137877	COMED	—	—	D	Minimal	0	—
TAP137878	COMED	—	—	D	Minimal	0	—
TAP137879	COMED	—	—	D	Minimal	0	—
TAP137880	COMED	—	—	D	Minimal	0	—
TAP137882	COMED	—	—	D	Minimal	0	—
TAP137883	COMED	—	—	D	Minimal	0	—
TAP137884	COMED	—	—	D	Minimal	0	—
TAP137885	COMED	—	—	D	Minimal	0	—
TAP137886	COMED	—	—	D	Minimal	0	—
TAP137887	COMED	—	—	D	Minimal	0	—
TAP137888	COMED	—	—	D	Minimal	0	—
TAP137889	COMED	—	—	D	Minimal	0	—
TAP137890	COMED	—	—	D	Minimal	0	—
TAP137891	COMED	—	—	D	Minimal	0	—
TAP137892	COMED	—	—	D	Minimal	0	—
TAP137893	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137894	COMED	—	—	D	Minimal	0	—
TAP137895	COMED	—	—	D	Minimal	0	—
TAP137896	COMED	—	—	D	Minimal	0	—
TAP137897	COMED	—	—	D	Minimal	0	—
TAP137898	COMED	—	—	D	Minimal	0	—
TAP137899	COMED	—	—	D	Minimal	0	—
TAP137900	COMED	—	—	D	Minimal	0	—
TAP137901	COMED	—	—	D	Minimal	0	—
TAP137902	COMED	—	—	D	Minimal	0	—
TAP137903	COMED	—	—	D	Minimal	0	—
TAP137908	COMED	—	—	D	Minimal	0	—
TAP137909	COMED	—	—	D	Minimal	0	—
TAP137918	COMED	—	—	D	Minimal	0	—
TAP137919	COMED	—	—	C	Limited	0	—
TAP137920	COMED	—	—	D	Minimal	0	—
TAP137921	COMED	—	—	D	Minimal	0	—
TAP137922	COMED	—	—	D	Minimal	0	—
TAP137923	COMED	—	—	D	Minimal	5	240
TAP137924	COMED	—	—	D	Minimal	7	287
TAP137925	COMED	—	—	D	Minimal	11	607
TAP137926	COMED	—	—	D	Minimal	8	457
TAP137927	COMED	—	—	C	Limited	0	—
TAP137928	COMED	—	—	C	Limited	0	—
TAP137929	COMED	—	—	C	Limited	0	—
TAP137930	COMED	—	—	C	Limited	0	—
TAP137931	COMED	—	—	D	Minimal	0	—
TAP137932	COMED	—	—	D	Minimal	0	—
TAP137933	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137934	COMED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137935	COMED	—	—	D	Minimal	0	—
TAP137936	COMED	—	—	D	Minimal	0	—
TAP137937	COMED	—	—	D	Minimal	1	3
TAP137938	COMED	—	—	D	Minimal	1	3
TAP137939	COMED	—	—	C	Limited	0	—
TAP137940	COMED	—	—	C	Limited	0	—
TAP137941	COMED	—	—	C	Limited	0	—
TAP137942	COMED	—	—	C	Limited	0	—
TAP137945	COMED	—	—	C	Limited	0	—
TAP137946	COMED	—	—	C	Limited	0	—
TAP137947	COMED	—	—	C	Limited	0	—
TAP137948	COMED	—	—	C	Limited	0	—
TAP137949	COMED	—	—	C	Limited	0	—
TAP137950	COMED	—	—	C	Limited	0	—
TAP137951	COMED	—	—	C	Limited	0	—
TAP137952	COMED	—	—	D	Minimal	0	—
TAP137953	COMED	—	—	D	Minimal	0	—
TAP137954	COMED	—	—	C	Minimal	9	448
TAP138141	COMED	—	—	D	Minimal	0	—
TAP138142	COMED	—	—	D	Minimal	0	—
TAP138143	COMED	—	—	D	Minimal	0	—
TAP138144	COMED	—	—	D	Minimal	0	—
TAP138145	COMED	—	—	C	Limited	0	—
TAP138146	COMED	—	—	C	Limited	0	—
TAP138147	COMED	—	—	C	Limited	0	—
TAP138148	COMED	—	—	C	Limited	0	—
TAP138149	COMED	—	—	C	Limited	0	—
TAP138150	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138151	COMED	—	—	D	Minimal	0	—
TAP138152	COMED	—	—	D	Minimal	0	—
TAP138153	COMED	—	—	D	Minimal	0	—
TAP138154	COMED	—	—	D	Minimal	0	—
TAP138155	COMED	—	—	D	Minimal	0	—
TAP138156	COMED	—	—	D	Minimal	0	—
TAP138157	COMED	—	—	D	Minimal	0	—
TAP138158	COMED	—	—	D	Minimal	0	—
TAP138159	COMED	—	—	D	Minimal	0	—
TAP138160	COMED	—	—	D	Minimal	0	—
TAP138161	COMED	—	—	D	Minimal	0	—
TAP138162	COMED	—	—	C	Limited	0	—
TAP138165	COMED	—	—	C	Limited	0	—
TAP138166	COMED	—	—	C	Limited	0	—
TAP138168	COMED	—	—	C	Minimal	0	—
TAP138170	COMED	—	—	C	Limited	0	—
TAP138171	COMED	—	—	C	Limited	0	—
TAP138172	COMED	—	—	D	Minimal	0	—
TAP138173	COMED	—	—	D	Minimal	0	—
TAP138175	COMED	—	—	C	Limited	0	—
TAP138176	COMED	—	—	C	Limited	0	—
TAP138177	COMED	—	—	D	Minimal	0	—
TAP138178	COMED	—	—	D	Minimal	0	—
TAP138179	COMED	—	—	C	Limited	0	—
TAP138180	COMED	—	—	C	Limited	0	—
TAP138193	COMED	—	—	C	Limited	0	—
TAP138194	COMED	—	—	C	Limited	0	—
TAP138195	COMED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138199	COMED	—	—	D	Minimal	0	—
TAP138200	COMED	—	—	D	Minimal	0	—
TAP138201	COMED	—	—	D	Minimal	0	—
TAP138202	COMED	—	—	D	Minimal	0	—
TAP138203	COMED	—	—	C	Limited	1	48
TAP138205	COMED	—	—	C	Limited	0	—
TAP138206	COMED	—	—	C	Limited	0	—
TAP138207	COMED	—	—	C	Limited	0	—
TAP138208	COMED	—	—	C	Minimal	1	1,800
TAP138209	COMED	—	—	C	Minimal	1	1,800
TAP138210	COMED	—	—	C	Limited	0	—
TAP138211	COMED	—	—	C	Limited	0	—
TAP138214	COMED	—	—	C	Limited	0	—
TAP138215	COMED	—	—	C	Limited	0	—
TAP138216	COMED	—	—	C	Limited	0	—
TAP138217	COMED	—	—	C	Limited	0	—
TAP138218	COMED	—	—	C	Limited	0	—
TAP138219	COMED	—	—	C	Minimal	1	1,800
TAP138220	COMED	—	—	C	Limited	0	—
TAP138221	COMED	—	—	C	Limited	0	—
TAP138223	COMED	—	—	C	Limited	0	—
TAP138224	COMED	—	—	C	Limited	0	—
TAP138225	COMED	—	—	C	Limited	0	—
TAP138226	COMED	—	—	C	Minimal	1	1,800
TAP138227	COMED	—	—	C	Limited	0	—
TAP138228	COMED	—	—	C	Limited	0	—
TAP138229	COMED	—	—	C	Limited	0	—
TAP138230	COMED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138231	COMED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138232	COMED	—	—	D	Minimal	0	—
TAP138233	COMED	—	—	C	Limited	0	—
TAP138234	COMED	—	—	C	Limited	0	—
TAP138235	COMED	—	—	C	Limited	0	—
TAP138236	COMED	—	—	C	Limited	0	—
TAP138237	COMED	—	—	C	Limited	0	—
TAP138238	COMED	—	—	C	Limited	0	—
TAP138239	COMED	—	—	C	Limited	0	—
TAP138240	COMED	—	—	C	Limited	0	—
TAP138241	COMED	—	—	C	Limited	0	—
TAP138242	COMED	—	—	C	Limited	0	—
TAP138243	COMED	—	—	C	Limited	0	—
TAP138244	COMED	—	—	C	Limited	0	—
TAP138245	COMED	—	—	C	Limited	0	—
TAP138246	COMED	—	—	C	Limited	2	59
TAP138247	COMED	—	—	C	Limited	2	59
TAP138248	COMED	—	—	C	Limited	1	4
TAP138249	COMED	—	—	C	Minimal	7	350
TAP138251	COMED	—	—	C	Limited	1	72
TAP138252	COMED	—	—	C	Limited	0	—
TAP138253	COMED	—	—	C	Limited	0	—
TAP138254	COMED	—	—	C	Limited	1	72
TAP146215	COMED	—	—	C	Limited	0	—
TAP153344	COMED	—	—	C	Limited	0	—
TAP153345	COMED	—	—	C	Limited	0	—
TAP155620	COMED	—	—	D	Minimal	0	—
TAP155621	COMED	—	—	C	Limited	0	—
TAP155622	COMED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP155874	COMED	—	—	D	Minimal	0	—
TAP155875	COMED	—	—	D	Minimal	0	—
TAP155876	COMED	—	—	D	Minimal	0	—
TAP155877	COMED	—	—	D	Minimal	0	—
TAP155878	COMED	—	—	C	Limited	0	—
TAP155879	COMED	—	—	D	Minimal	0	—
TAP155880	COMED	—	—	D	Minimal	0	—
TAP155881	COMED	—	—	D	Minimal	0	—
TAP155882	COMED	—	—	C	Limited	0	—
TAP160097	COMED	—	—	D	Minimal	0	—
TAP160099	COMED	—	—	D	Minimal	1	50
TAP160101	COMED	—	—	D	Minimal	1	50
TAP160102	COMED	—	—	C	Limited	0	—
TAP160103	COMED	—	—	C	Minimal	0	—
TAP160104	COMED	—	—	C	Limited	0	—
TAP160105	COMED	—	—	C	Limited	0	—
TAP160106	COMED	—	—	C	Limited	0	—
TAP160107	COMED	—	—	D	Minimal	0	—
TAP160108	COMED	—	—	D	Minimal	0	—
TAP160113	COMED	—	—	D	Minimal	0	—
TAP160115	COMED	—	—	C	Limited	0	—
TAP160157	COMED	—	—	D	Minimal	1	114
TAP161505	COMED	—	—	C	Minimal	10	498
TAP161509	COMED	—	—	D	Minimal	0	—
TAP161510	COMED	—	—	D	Minimal	0	—
TINLEY PARK	COMED	—	—	D	Minimal	0	—
TOLLWAY	COMED	—	—	D	Minimal	0	—
TOP CROP	COMED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TOWER AUTOMOTIVE	COMED	—	—	C	Limited	0	—
WARRENVILLE	COMED	—	—	C	Limited	1	36
WAYNE	COMED	—	—	C	Limited	0	—
WILDWOOD	COMED	—	—	C	Limited	0	—
WILTON	COMED	—	—	C	Limited	0	—
WILTON (345KV)	COMED	—	—	C	Limited	0	—
WOLFS CROSSING	COMED	—	—	C	Limited	0	—
ZION	COMED	—	—	D	Minimal	0	—
ZION ENERGY CENTER	COMED	—	—	D	Minimal	0	—
AIRWAY	DAY	—	—	D	Minimal	0	—
ALPHA	DAY	—	—	D	Minimal	0	—
BATH	DAY	—	—	A	Moderate	0	—
BELLBROOK	DAY	—	—	D	Minimal	0	—
CENTERVILLE	DAY	—	—	D	Minimal	0	—
CLARK	DAY	—	—	D	Minimal	0	—
DEADEND167292	DAY	—	—	D	Minimal	0	—
DEADEND171414	DAY	—	—	D	Minimal	0	—
EAST SPRINGFIELD	DAY	—	—	A	Moderate	0	—
ELDEAN	DAY	—	—	C	Limited	0	—
ENON	DAY	—	—	D	Minimal	0	—
GIVENS PIONEER COOP	DAY	—	—	D	Minimal	0	—
GREENE	DAY	—	—	C	Limited	0	—
HEMPSTEAD	DAY	—	—	D	Minimal	0	—
KNOLLWOOD	DAY	—	—	D	Minimal	0	—
MECHANICSBURG	DAY	—	—	D	Minimal	0	—
MIAMI	DAY	—	—	D	Minimal	0	—
MONUMENT	DAY	—	—	D	Minimal	0	—
NEW CARLISLE	DAY	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NORMANDY	DAY	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
O. H. HUTCHINGS STATION	DAY	—	—	D	Minimal	0	—
O. H. HUTCHINGS STATION	DAY	—	—	D	Minimal	0	—
OVERLOOK	DAY	—	—	D	Minimal	0	—
PIQUA POWER PLANT	DAY	—	—	C	Limited	0	—
RISER137620	DAY	—	—	D	Minimal	0	—
STAUNTON	DAY	—	—	C	Limited	0	—
SUGAR CREEK	DAY	—	—	D	Minimal	0	—
TAP137383	DAY	—	—	D	Minimal	0	—
TAP137384	DAY	—	—	D	Minimal	0	—
TAP137386	DAY	—	—	D	Minimal	0	—
TAP137592	DAY	—	—	D	Minimal	0	—
TAP140025	DAY	—	—	C	Limited	0	—
TAP140026	DAY	—	—	C	Limited	0	—
TAP141226	DAY	—	—	C	Limited	0	—
TAP141227	DAY	—	—	D	Minimal	0	—
TAP153612	DAY	—	—	D	Minimal	0	—
TAP153614	DAY	—	—	D	Minimal	0	—
TAP153615	DAY	—	—	D	Minimal	0	—
TAP153884	DAY	—	—	C	Limited	0	—
TAP171413	DAY	—	—	C	Limited	0	—
TAP171415	DAY	—	—	C	Limited	0	—
TREBEIN	DAY	—	—	C	Limited	0	—
URBANA	DAY	—	—	D	Minimal	0	—
WEBSTER	DAY	—	—	D	Minimal	0	—
WEST MILTON	DAY	—	—	D	Minimal	0	—
YELLOW SPRINGS	DAY	—	—	D	Minimal	0	—
ASHLAND	DEOK	—	—	D	Minimal	0	—
BULLITTSVILLE	DEOK	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CHARLES SUBSTATION	DEOK	—	—	D	Minimal	0	—
DEADEND167193	DEOK	—	—	D	Minimal	0	—
DEADEND167291	DEOK	—	—	D	Minimal	0	—
FOSTER	DEOK	—	—	D	Minimal	0	—
FRONT	DEOK	—	—	A	Moderate	0	—
GIS-SUB-sci:KY:138kv	DEOK	—	—	D	Minimal	0	—
GIS-SUB-sci:KY:69kv	DEOK	—	—	C	Limited	0	—
HEBRON	DEOK	—	—	D	Minimal	0	—
PIERCE	DEOK	—	—	D	Minimal	0	—
PIERCE	DEOK	—	—	D	Minimal	0	—
PORT UNION SUBSTATION	DEOK	—	—	C	Limited	0	—
RICHARDSON	DEOK	—	—	D	Minimal	0	—
ROCHELLE	DEOK	—	—	D	Minimal	0	—
SILVER GROVE	DEOK	—	—	D	Minimal	0	—
TAP137423	DEOK	—	—	C	Limited	0	—
TAP137433	DEOK	—	—	D	Minimal	0	—
TAP137464	DEOK	—	—	D	Minimal	0	—
TAP137540	DEOK	—	—	C	Limited	0	—
TAP137571	DEOK	—	—	D	Minimal	0	—
TAP137572	DEOK	—	—	D	Minimal	0	—
TAP137599	DEOK	—	—	D	Minimal	0	—
TAP137600	DEOK	—	—	D	Minimal	0	—
TAP137601	DEOK	—	—	C	Limited	0	—
TAP137603	DEOK	—	—	D	Minimal	0	—
TAP137604	DEOK	—	—	D	Minimal	0	—
TAP137605	DEOK	—	—	C	Limited	0	—
TAP137607	DEOK	—	—	D	Minimal	0	—
TAP137609	DEOK	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137611	DEOK	—	—	C	Limited	0	—
TAP137613	DEOK	—	—	C	Limited	0	—
TAP137614	DEOK	—	—	C	Limited	0	—
TAP137616	DEOK	—	—	C	Limited	0	—
TAP137618	DEOK	—	—	C	Limited	0	—
TAP137622	DEOK	—	—	C	Limited	1	100
TAP137623	DEOK	—	—	C	Limited	1	100
TAP140104	DEOK	—	—	D	Minimal	0	—
TAP140123	DEOK	—	—	C	Limited	0	—
TAP153921	DEOK	—	—	D	Minimal	0	—
TAP155979	DEOK	—	—	D	Minimal	0	—
TAP161786	DEOK	—	—	D	Minimal	0	—
TAP162168	DEOK	—	—	D	Minimal	0	—
TAP166941	DEOK	—	—	D	Minimal	0	—
TAP169381	DEOK	—	—	C	Limited	0	—
TAP171331	DEOK	—	—	C	Limited	1	100
TAP171332	DEOK	—	—	C	Limited	0	—
TAP171333	DEOK	—	—	C	Limited	0	—
TAP171334	DEOK	—	—	C	Limited	0	—
TAP171502	DEOK	—	—	C	Limited	0	—
TAP171503	DEOK	—	—	C	Limited	0	—
TODHUNTER SUBSTATION	DEOK	—	—	C	Limited	0	—
WEBSTER ROAD	DEOK	—	—	D	Minimal	0	—
ZIMMER	DEOK	—	—	D	Minimal	0	—
ACCA	DOM	—	—	C	Limited	1	50
ALLIED	DOM	—	—	C	Minimal	5	250
ALPINE	DOM	—	—	C	Limited	0	—
AQUIA HARBOR	DOM	—	—	C	Minimal	2	1,150

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ARCOLA	DOM	—	—	C	Limited	4	200

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ARLINGTON	DOM	—	—	C	Limited	0	—
ASHBURN	DOM	—	—	C	Minimal	11	590
BARNES JUNCTION	DOM	—	—	D	Minimal	0	—
BARRACKS ROAD	DOM	—	—	D	Minimal	0	—
BASIN	DOM	—	—	C	Limited	0	—
BEAR GARDEN	DOM	—	—	D	Minimal	0	—
BEAR ISLAND	DOM	—	—	C	Limited	0	—
BEAR ISLAND DP	DOM	—	—	C	Limited	0	—
BEAUMEADE	DOM	—	—	C	Minimal	109	7,160
BECO	DOM	—	—	C	Minimal	108	7,070
BEECHWOOD DP	DOM	—	—	D	Minimal	0	—
BELLWOOD	DOM	—	—	C	Limited	0	—
BELVOIR	DOM	—	—	D	Minimal	1	50
BIRCHWOOD	DOM	—	—	D	Minimal	1	50
BLOXOMS CORNER	DOM	—	—	D	Minimal	0	—
BOYKINS	DOM	—	—	D	Minimal	0	—
BRADDOCK	DOM	—	—	C	Limited	0	—
BRAMBLETON	DOM	—	—	C	Minimal	6	300
BRISTERS	DOM	—	—	D	Minimal	0	—
BRODNAX	DOM	—	—	D	Minimal	1	50
BRUNSWICK	DOM	—	—	D	Minimal	0	—
BUGGS ISLAND NUG	DOM	—	—	D	Minimal	0	—
BULL RUN	DOM	—	—	C	Limited	0	—
BURKE-SIDEBURN	DOM	—	—	C	Limited	0	—
BURLINGTON DP	DOM	—	—	D	Minimal	0	—
BURTON	DOM	—	—	D	Minimal	0	—
CARSON	DOM	—	—	C	Limited	0	—
CARTERSVILLE	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CENTRALIA	DOM	—	—	C	Limited	0	—
CHANCELLOR	DOM	—	—	C	Limited	0	—
CHARLES CITY ROAD	DOM	—	—	C	Limited	0	—
CHASE CITY	DOM	—	—	D	Minimal	1	50
CHESAPEAKE ENERGY CENTER	DOM	—	—	D	Minimal	0	—
CHESTERFIELD	DOM	—	—	C	Limited	0	—
CHUCKATUCK	DOM	—	—	D	Minimal	0	—
CHURCHLAND	DOM	—	—	D	Minimal	0	—
CIA	DOM	—	—	C	Limited	0	—
CLARK	DOM	—	—	C	Limited	2	100
CLIFTON	DOM	—	—	D	Minimal	0	—
CLOVER	DOM	—	—	C	Limited	0	—
CLOVER HILL	DOM	—	—	C	Minimal	1	382
CLUBHOUSE	DOM	—	—	D	Minimal	0	—
COGENTRIX	DOM	—	—	C	Limited	0	—
COLLEEN	DOM	—	—	D	Minimal	0	—
COLONY	DOM	—	—	C	Limited	0	—
COMORN DP	DOM	—	—	C	Limited	0	—
CRANES CORNER	DOM	—	—	C	Limited	0	—
CRANEY ISLAND	DOM	—	—	D	Minimal	0	—
CREWE	DOM	—	—	D	Minimal	0	—
CRITTENDEN	DOM	—	—	D	Minimal	0	—
CROZET	DOM	—	—	C	Limited	0	—
CUB-RUN DP	DOM	—	—	D	Minimal	6	300
CUNNINGHAM	DOM	—	—	C	Limited	0	—
DANIELTOWN	DOM	—	—	D	Minimal	0	—
DARBYTOWN CTS	DOM	—	—	D	Minimal	0	—
DAVIS	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DAYTON	DOM	—	—	C	Limited	0	—
DEADEND167400	DOM	—	—	C	Limited	0	—
DEADEND167402	DOM	—	—	D	Minimal	0	—
DEADEND172590	DOM	—	—	D	Minimal	0	—
DEADEND172592	DOM	—	—	C	Limited	0	—
DEADEND172594	DOM	—	—	C	Limited	0	—
DEEP CREEK	DOM	—	—	D	Minimal	0	—
DISPUTANTA	DOM	—	—	D	Minimal	0	—
DOOMS	DOM	—	—	C	Limited	0	—
DOUBLE TOLL GATE	DOM	—	—	C	Limited	0	—
DRANESVILLE	DOM	—	—	C	Minimal	10	500
DRYBURG	DOM	—	—	C	Limited	0	—
DULLES	DOM	—	—	C	Minimal	12	600
DUMFRIES	DOM	—	—	D	Minimal	0	—
DUNNSVILLE	DOM	—	—	C	Limited	0	—
EDINBURG	DOM	—	—	D	Minimal	0	—
ELKO	DOM	—	—	C	Minimal	2	100
ELKTON D.P.	DOM	—	—	C	Limited	0	—
ELMONT	DOM	—	—	C	Limited	2	53
FALLS CHURCH	DOM	—	—	C	Limited	0	—
FARMVILLE	DOM	—	—	C	Limited	0	—
FENTRESS	DOM	—	—	C	Limited	0	—
FISHERSVILLE	DOM	—	—	D	Minimal	0	—
FLUVANNA P.S.	DOM	—	—	C	Limited	0	—
FORT EUSTIS	DOM	—	—	C	Limited	0	—
FOUR RIVERS	DOM	—	—	C	Limited	0	—
FRANCONIA	DOM	—	—	D	Minimal	0	—
FREEMAN DP	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
FRONT ROYAL	DOM	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
FULLER ROAD	DOM	—	—	C	Limited	0	—
GAINESVILLE	DOM	—	—	C	Minimal	23	1,436
GALLOWES ROAD	DOM	—	—	C	Limited	0	—
GIS-SUB-sci:VA:115kv	DOM	—	—	C	Limited	1	50
GIS-SUB-sci:VA:500kv	DOM	—	—	C	Limited	0	—
GLEBE	DOM	—	—	C	Limited	0	—
GLEN CARLYN	DOM	—	—	C	Limited	0	—
GOOSE CREEK	DOM	—	—	C	Limited	1	50
GORDONSVILLE	DOM	—	—	C	Limited	0	—
GOSPORT	DOM	—	—	C	Limited	0	—
GRAFTON	DOM	—	—	C	Limited	0	—
GREEN RUN	DOM	—	—	D	Minimal	0	—
GREENWAY	DOM	—	—	C	Minimal	99	6,507
GREENWICH	DOM	—	—	C	Limited	0	—
GREENWOOD	DOM	—	—	D	Minimal	0	—
GROTTOES	DOM	—	—	C	Limited	0	—
GUM SPRINGS	DOM	—	—	D	Minimal	0	—
HALIFAX	DOM	—	—	D	Minimal	0	—
HANOVER	DOM	—	—	C	Limited	0	—
HARMONY VILLAGE	DOM	—	—	D	Minimal	0	—
HARRISON	DOM	—	—	C	Limited	0	—
HARRISONBURG	DOM	—	—	C	Limited	1	6
HARROWGATE	DOM	—	—	C	Limited	0	—
HARVELL	DOM	—	—	C	Limited	1	50
HAYES	DOM	—	—	D	Minimal	0	—
HAYFIELD	DOM	—	—	D	Minimal	1	50
HICKORY	DOM	—	—	C	Limited	0	—
HOLLYMEAD	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HOPEWELL	DOM	—	—	C	Limited	0	—
HULL STREET ROAD	DOM	—	—	D	Minimal	1	50
IDYLVWOOD	DOM	—	—	C	Limited	3	103
INDEPENDENT HILL D.P.	DOM	—	—	D	Minimal	1	50
INDUSTRIAL PARK	DOM	—	—	C	Limited	1	50
IRON BRIDGE	DOM	—	—	C	Limited	1	50
JARRATT	DOM	—	—	C	Limited	0	—
JETERSVILLE	DOM	—	—	D	Minimal	0	—
JOHNSON DP	DOM	—	—	C	Limited	0	—
KENBRIDGE	DOM	—	—	C	Limited	0	—
KERR DAM	DOM	—	—	C	Limited	0	—
KIDDS STORE	DOM	—	—	D	Minimal	0	—
KINGS DOMINION	DOM	—	—	C	Limited	0	—
KINGS FORK	DOM	—	—	D	Minimal	0	—
LADYSMITH	DOM	—	—	C	Limited	0	—
LADYSMITH CT	DOM	—	—	C	Limited	0	—
LADYSMITH CT	DOM	—	—	C	Limited	1	50
LAKE KINGMAN	DOM	—	—	D	Minimal	0	—
LAKE OF THE WOODS DP	DOM	—	—	D	Minimal	0	—
LAKERIDGE	DOM	—	—	D	Minimal	0	—
LAKESIDE	DOM	—	—	C	Limited	2	53
LANDSTOWN	DOM	—	—	D	Minimal	0	—
LANEXA	DOM	—	—	D	Minimal	0	—
LAWRENCEVILLE	DOM	—	—	D	Minimal	0	—
LINDENDALE D.P.	DOM	—	—	D	Minimal	0	—
LONDON BRIDGE	DOM	—	—	D	Minimal	0	—
LOUDON	DOM	—	—	C	Limited	0	—
LOVETTSVILLE	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LYNNHAVEN	DOM	—	—	D	Minimal	0	—
MAGRUDER	DOM	—	—	C	Limited	0	—
MANCHESTER	DOM	—	—	C	Limited	0	—
MARLBORO	DOM	—	—	C	Limited	0	—
MARSH RUN CT	DOM	—	—	D	Minimal	2	100
MEADOW BROOK	DOM	—	—	C	Limited	1	10
MEADOW BROOK	DOM	—	—	C	Limited	1	10
MIDDLEBURG	DOM	—	—	D	Minimal	0	—
MIDLOTHIAN	DOM	—	—	C	Limited	0	—
MIDWAY	DOM	—	—	D	Minimal	0	—
MINE ROAD	DOM	—	—	C	Minimal	5	250
MOORE	DOM	—	—	D	Minimal	0	—
MORRISVILLE	DOM	—	—	D	Minimal	0	—
MOSBY	DOM	—	—	C	Limited	0	—
MOUNT JACKSON	DOM	—	—	D	Minimal	0	—
MOUNT JACKSON D.P.	DOM	—	—	D	Minimal	0	—
MOUNTAIN ROAD	DOM	—	—	C	Limited	1	50
MYRTLE	DOM	—	—	C	Limited	0	—
NASA	DOM	—	—	D	Minimal	0	—
NATIONAL WELDERS IND	DOM	—	—	C	Minimal	5	250
NEW ROAD	DOM	—	—	C	Limited	0	—
NEWPORT NEWS	DOM	—	—	D	Minimal	0	—
NI RIVER DP	DOM	—	—	C	Limited	0	—
NORTH ANNA	DOM	—	—	D	Minimal	1	50
NORTH DOSWELL	DOM	—	—	C	Limited	0	—
NORTH POLE	DOM	—	—	D	Minimal	0	—
NORTH RIVER D.P.	DOM	—	—	C	Limited	0	—
NORTH SHENANDOAH	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NORTHEAST	DOM	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NORTHERN NECK	DOM	—	—	D	Minimal	0	—
NORTHWEST	DOM	—	—	C	Limited	1	50
NOVEC COUNTRY CLUB	DOM	—	—	D	Minimal	0	—
NOVEC GARBAR	DOM	—	—	D	Minimal	0	—
NOVEC PARADISE	DOM	—	—	C	Minimal	13	880
NOVEC SMOKETOWN	DOM	—	—	C	Limited	0	—
OAK GREEN	DOM	—	—	D	Minimal	8	616
OAK RIDGE	DOM	—	—	C	Limited	0	—
OCCOQUAN	DOM	—	—	D	Minimal	0	—
OLD CHAPEL	DOM	—	—	D	Minimal	0	—
OLD CHURCH	DOM	—	—	D	Minimal	0	—
OMEGA DP	DOM	—	—	C	Limited	0	—
OX	DOM	—	—	D	Minimal	0	—
PAGE	DOM	—	—	D	Minimal	0	—
PAYTES DP	DOM	—	—	C	Limited	0	—
PEACH GROVE D.P.	DOM	—	—	C	Limited	0	—
PEARSONS	DOM	—	—	C	Limited	1	3
PENDLETON	DOM	—	—	D	Minimal	0	—
PENINSULA	DOM	—	—	D	Minimal	0	—
PERTH	DOM	—	—	C	Limited	0	—
PIPELINE	DOM	—	—	C	Limited	0	—
PLAZA	DOM	—	—	C	Limited	0	—
PLEASANT HILL	DOM	—	—	D	Minimal	0	—
PLEASANT VALLEY	DOM	—	—	D	Minimal	0	—
PLEASANT VIEW	DOM	—	—	D	Minimal	1	50
POLAND RD	DOM	—	—	D	Minimal	11	550
POLYESTER PS	DOM	—	—	C	Limited	0	—
POSSUM POINT	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PROFFIT	DOM	—	—	D	Minimal	0	—
QUANTICO	DOM	—	—	C	Limited	0	—
RED HILL	DOM	—	—	D	Minimal	0	—
REDBUD	DOM	—	—	C	Limited	0	—
REEDY CREEK	DOM	—	—	C	Limited	0	—
REEVES AVE	DOM	—	—	C	Limited	1	50
REMINGTON	DOM	—	—	C	Limited	2	100
REMINGTON CT	DOM	—	—	C	Limited	2	100
RESTON	DOM	—	—	D	Minimal	10	500
REYMET	DOM	—	—	C	Limited	0	—
RIVER ROAD	DOM	—	—	C	Limited	0	—
RIVERTON	DOM	—	—	C	Limited	0	—
RURITAN	DOM	—	—	D	Minimal	1	50
SAPONY	DOM	—	—	C	Limited	0	—
SEAFORD	DOM	—	—	C	Limited	0	—
SEAFORD	DOM	—	—	C	Limited	0	—
SEPTA	DOM	—	—	C	Limited	0	—
SHELLBANK	DOM	—	—	D	Minimal	0	—
SHERWOOD	DOM	—	—	D	Minimal	1	400
SHOCKOE	DOM	—	—	C	Limited	0	—
SHORT PUMP	DOM	—	—	C	Limited	0	—
SIDEBURN	DOM	—	—	C	Limited	0	—
SINAI	DOM	—	—	C	Limited	0	—
SLABTOWN	DOM	—	—	C	Minimal	5	250
SMITHFIELD	DOM	—	—	D	Minimal	0	—
SOUTH BOSTON	DOM	—	—	C	Limited	0	—
SOUTH CREEK	DOM	—	—	C	Minimal	1	1,000
SOUTH HILL	DOM	—	—	D	Minimal	1	50

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SOUTHWEST	DOM	—	—	D	Minimal	0	—
SOWEGO DP	DOM	—	—	C	Limited	0	—
SPERRYVILLE	DOM	—	—	D	Minimal	0	—
SPRUANCE NUG	DOM	—	—	C	Limited	0	—
ST JOHNS DP	DOM	—	—	D	Minimal	0	—
ST. JOHNS	DOM	—	—	D	Minimal	0	—
STAFFORD	DOM	—	—	C	Minimal	2	1,150
STEPHENSON	DOM	—	—	C	Limited	0	—
STERLING PARK	DOM	—	—	C	Minimal	21	1,203
STONEWALL	DOM	—	—	C	Limited	0	—
STONEWALL ENERGY CENTER	DOM	—	—	C	Minimal	16	800
STRASBURG	DOM	—	—	C	Limited	1	10
STUARTS DRAFT	DOM	—	—	D	Minimal	0	—
STUMPY LAKE	DOM	—	—	C	Limited	0	—
SUFFOLK	DOM	—	—	C	Limited	0	—
SULLY	DOM	—	—	C	Limited	0	—
SURRY	DOM	—	—	C	Limited	0	—
SWINKS MILL	DOM	—	—	C	Limited	3	103
TAP139187	DOM	—	—	C	Minimal	5	250
TAP139188	DOM	—	—	C	Minimal	2	1,150
TAP139189	DOM	—	—	D	Minimal	0	—
TAP139190	DOM	—	—	C	Limited	0	—
TAP139191	DOM	—	—	C	Limited	0	—
TAP139192	DOM	—	—	C	Limited	1	50
TAP139193	DOM	—	—	C	Limited	0	—
TAP139194	DOM	—	—	C	Limited	0	—
TAP139195	DOM	—	—	D	Minimal	0	—
TAP139196	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139197	DOM	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139198	DOM	—	—	D	Minimal	0	—
TAP139199	DOM	—	—	D	Minimal	0	—
TAP139200	DOM	—	—	D	Minimal	0	—
TAP139201	DOM	—	—	D	Minimal	0	—
TAP139202	DOM	—	—	D	Minimal	0	—
TAP139203	DOM	—	—	C	Limited	0	—
TAP139204	DOM	—	—	D	Minimal	0	—
TAP139205	DOM	—	—	D	Minimal	0	—
TAP139206	DOM	—	—	D	Minimal	0	—
TAP139207	DOM	—	—	D	Minimal	1	50
TAP139208	DOM	—	—	D	Minimal	10	500
TAP139209	DOM	—	—	D	Minimal	0	—
TAP139210	DOM	—	—	D	Minimal	0	—
TAP139211	DOM	—	—	C	Limited	0	—
TAP139212	DOM	—	—	C	Limited	0	—
TAP139213	DOM	—	—	C	Limited	0	—
TAP139219	DOM	—	—	C	Minimal	3	259
TAP139220	DOM	—	—	C	Minimal	4	399
TAP139222	DOM	—	—	C	Minimal	9	680
TAP139223	DOM	—	—	C	Minimal	11	550
TAP139225	DOM	—	—	C	Minimal	20	1,286
TAP139226	DOM	—	—	C	Minimal	20	1,286
TAP139227	DOM	—	—	C	Limited	0	—
TAP139229	DOM	—	—	C	Limited	0	—
TAP139230	DOM	—	—	C	Limited	0	—
TAP139231	DOM	—	—	C	Limited	0	—
TAP139232	DOM	—	—	C	Limited	0	—
TAP139233	DOM	—	—	C	Limited	1	50

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139234	DOM	—	—	C	Limited	0	—
TAP139235	DOM	—	—	C	Limited	0	—
TAP139236	DOM	—	—	D	Minimal	1	50
TAP139237	DOM	—	—	C	Limited	1	50
TAP139243	DOM	—	—	C	Minimal	0	—
TAP139259	DOM	—	—	D	Minimal	0	—
TAP139313	DOM	—	—	C	Limited	1	50
TAP139314	DOM	—	—	D	Minimal	1	50
TAP139775	DOM	—	—	D	Minimal	0	—
TAP139776	DOM	—	—	C	Limited	0	—
TAP139777	DOM	—	—	C	Limited	0	—
TAP140468	DOM	—	—	D	Minimal	0	—
TAP140469	DOM	—	—	C	Limited	0	—
TAP140470	DOM	—	—	C	Limited	0	—
TAP140471	DOM	—	—	D	Minimal	0	—
TAP140472	DOM	—	—	D	Minimal	0	—
TAP140473	DOM	—	—	D	Minimal	0	—
TAP140475	DOM	—	—	D	Minimal	0	—
TAP140498	DOM	—	—	D	Minimal	0	—
TAP140499	DOM	—	—	D	Minimal	0	—
TAP140501	DOM	—	—	C	Limited	0	—
TAP140638	DOM	—	—	D	Minimal	2	316
TAP140639	DOM	—	—	D	Minimal	0	—
TAP140640	DOM	—	—	C	Limited	0	—
TAP140641	DOM	—	—	D	Minimal	2	1,150
TAP140643	DOM	—	—	D	Minimal	0	—
TAP140644	DOM	—	—	D	Minimal	11	550
TAP140645	DOM	—	—	D	Minimal	8	616

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP146330	DOM	—	—	C	Limited	1	50
TAP146350	DOM	—	—	C	Limited	0	—
TAP146357	DOM	—	—	C	Minimal	16	800
TAP146365	DOM	—	—	C	Limited	0	—
TAP146366	DOM	—	—	C	Limited	0	—
TAP146380	DOM	—	—	C	Limited	0	—
TAP146381	DOM	—	—	C	Limited	0	—
TAP146382	DOM	—	—	C	Limited	0	—
TAP146384	DOM	—	—	C	Limited	0	—
TAP146598	DOM	—	—	C	Limited	0	—
TAP146608	DOM	—	—	D	Minimal	0	—
TAP146923	DOM	—	—	D	Minimal	0	—
TAP146924	DOM	—	—	D	Minimal	0	—
TAP147030	DOM	—	—	D	Minimal	0	—
TAP147031	DOM	—	—	C	Limited	0	—
TAP147063	DOM	—	—	D	Minimal	0	—
TAP147066	DOM	—	—	D	Minimal	0	—
TAP147067	DOM	—	—	D	Minimal	0	—
TAP147070	DOM	—	—	D	Minimal	0	—
TAP147075	DOM	—	—	D	Minimal	0	—
TAP147076	DOM	—	—	D	Minimal	0	—
TAP147077	DOM	—	—	D	Minimal	0	—
TAP147078	DOM	—	—	D	Minimal	0	—
TAP147080	DOM	—	—	D	Minimal	0	—
TAP147081	DOM	—	—	C	Limited	0	—
TAP147164	DOM	—	—	D	Minimal	0	—
TAP147165	DOM	—	—	D	Minimal	0	—
TAP147166	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147167	DOM	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147168	DOM	—	—	D	Minimal	0	—
TAP147169	DOM	—	—	D	Minimal	0	—
TAP147170	DOM	—	—	D	Minimal	0	—
TAP147171	DOM	—	—	D	Minimal	0	—
TAP147193	DOM	—	—	C	Limited	0	—
TAP147393	DOM	—	—	C	Limited	0	—
TAP147535	DOM	—	—	C	Limited	0	—
TAP147581	DOM	—	—	D	Minimal	0	—
TAP147677	DOM	—	—	D	Minimal	0	—
TAP147819	DOM	—	—	D	Minimal	1	50
TAP147859	DOM	—	—	C	Limited	0	—
TAP147860	DOM	—	—	C	Limited	0	—
TAP147861	DOM	—	—	C	Limited	0	—
TAP147862	DOM	—	—	C	Limited	0	—
TAP147863	DOM	—	—	C	Limited	0	—
TAP147864	DOM	—	—	C	Limited	0	—
TAP147865	DOM	—	—	C	Limited	0	—
TAP147866	DOM	—	—	C	Limited	0	—
TAP147867	DOM	—	—	C	Limited	0	—
TAP147868	DOM	—	—	C	Limited	0	—
TAP147869	DOM	—	—	C	Minimal	5	250
TAP147870	DOM	—	—	C	Limited	2	100
TAP147873	DOM	—	—	D	Minimal	0	—
TAP147874	DOM	—	—	C	Limited	0	—
TAP147875	DOM	—	—	C	Limited	0	—
TAP147903	DOM	—	—	D	Minimal	0	—
TAP147949	DOM	—	—	C	Limited	0	—
TAP147950	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147951	DOM	—	—	D	Minimal	0	—
TAP147952	DOM	—	—	C	Limited	0	—
TAP147953	DOM	—	—	C	Limited	0	—
TAP147954	DOM	—	—	C	Limited	0	—
TAP147955	DOM	—	—	C	Limited	0	—
TAP147956	DOM	—	—	C	Limited	0	—
TAP147960	DOM	—	—	D	Minimal	0	—
TAP147961	DOM	—	—	D	Minimal	0	—
TAP147962	DOM	—	—	D	Minimal	0	—
TAP147993	DOM	—	—	D	Minimal	0	—
TAP147994	DOM	—	—	D	Minimal	1	50
TAP147995	DOM	—	—	D	Minimal	0	—
TAP147996	DOM	—	—	D	Minimal	0	—
TAP147997	DOM	—	—	D	Minimal	2	100
TAP148044	DOM	—	—	C	Limited	0	—
TAP148046	DOM	—	—	D	Minimal	0	—
TAP148048	DOM	—	—	D	Minimal	0	—
TAP148049	DOM	—	—	D	Minimal	0	—
TAP148189	DOM	—	—	C	Limited	0	—
TAP148227	DOM	—	—	D	Minimal	0	—
TAP148228	DOM	—	—	D	Minimal	0	—
TAP148229	DOM	—	—	D	Minimal	0	—
TAP148230	DOM	—	—	C	Limited	0	—
TAP148231	DOM	—	—	C	Limited	0	—
TAP148232	DOM	—	—	D	Minimal	0	—
TAP148233	DOM	—	—	D	Minimal	0	—
TAP148234	DOM	—	—	C	Limited	1	50
TAP148235	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP148236	DOM	—	—	D	Minimal	0	—
TAP148237	DOM	—	—	D	Minimal	0	—
TAP148238	DOM	—	—	D	Minimal	0	—
TAP148239	DOM	—	—	D	Minimal	0	—
TAP148240	DOM	—	—	D	Minimal	0	—
TAP148241	DOM	—	—	C	Limited	0	—
TAP148242	DOM	—	—	D	Minimal	0	—
TAP148243	DOM	—	—	D	Minimal	0	—
TAP155931	DOM	—	—	D	Minimal	0	—
TAP161085	DOM	—	—	C	Minimal	16	800
TAP161134	DOM	—	—	D	Minimal	0	—
TAP161135	DOM	—	—	D	Minimal	0	—
TAP161137	DOM	—	—	C	Limited	0	—
TAP161686	DOM	—	—	D	Minimal	0	—
TAP161757	DOM	—	—	D	Minimal	0	—
TAP161761	DOM	—	—	C	Limited	0	—
TAP161768	DOM	—	—	D	Minimal	0	—
TAP161774	DOM	—	—	D	Minimal	0	—
TAP161807	DOM	—	—	D	Minimal	0	—
TAP161808	DOM	—	—	C	Limited	0	—
TAP161809	DOM	—	—	D	Minimal	0	—
TAP171701	DOM	—	—	C	Limited	0	—
THALIA	DOM	—	—	D	Minimal	0	—
THRASHER	DOM	—	—	D	Minimal	0	—
TIMBERVILLE	DOM	—	—	C	Limited	0	—
TODDS TAVERN DP	DOM	—	—	C	Limited	0	—
TRABUE	DOM	—	—	C	Limited	0	—
TREGO	DOM	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TURNER ROAD	DOM	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TWELVTH STREET	DOM	—	—	C	Limited	0	—
TYLER	DOM	—	—	C	Limited	0	—
TYSONS	DOM	—	—	C	Limited	3	103
UNKNOWN	DOM	—	—	C	Limited	0	—
VALLEY	DOM	—	—	C	Limited	0	—
VAN DOM	DOM	—	—	C	Limited	0	—
VERONA	DOM	—	—	D	Minimal	0	—
VIRGINIA BEACH	DOM	—	—	D	Minimal	0	—
VIRIGINIA HILLS	DOM	—	—	D	Minimal	0	—
WAKEFIELD	DOM	—	—	D	Minimal	0	—
WALNEY	DOM	—	—	C	Limited	1	50
WALTHALL	DOM	—	—	D	Minimal	0	—
WARRENTON	DOM	—	—	D	Minimal	2	100
WARWICK	DOM	—	—	C	Limited	0	—
WELCO	DOM	—	—	C	Limited	0	—
WEST POINT	DOM	—	—	D	Minimal	0	—
WEST STAUNTON	DOM	—	—	D	Minimal	0	—
WEST WINCHESTER	DOM	—	—	C	Limited	0	—
WESTMORELAND	DOM	—	—	D	Minimal	0	—
WEYERS CAVE	DOM	—	—	C	Limited	0	—
WHEALTON	DOM	—	—	D	Minimal	0	—
WHEELER	DOM	—	—	C	Limited	3	150
WHITE OAK	DOM	—	—	C	Minimal	2	100
WHITE STONE	DOM	—	—	C	Limited	0	—
WILDERNESS DP	DOM	—	—	D	Minimal	0	—
WINDSOR DP	DOM	—	—	D	Minimal	0	—
WINTERPOCK	DOM	—	—	D	Minimal	0	—
WOODBIDGE	DOM	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WOODPECKER	DOM	—	—	D	Minimal	1	50
YADKIN	DOM	—	—	C	Limited	0	—
YARDLEY RIDGE	DOM	—	—	C	Minimal	10	500
YORKTOWN	DOM	—	—	C	Limited	0	—
ANGOLA	DPL	—	—	C	Limited	0	—
BASIN ROAD	DPL	—	—	C	Limited	0	—
BAYARD	DPL	—	—	D	Minimal	0	—
BOZMAN	DPL	—	—	C	Limited	0	—
BRANDYWINE	DPL	—	—	C	Limited	0	—
BRIDGEVILLE	DPL	—	—	C	Limited	0	—
CARRCROFT	DPL	—	—	C	Limited	0	—
CARTANZA	DPL	—	—	D	Minimal	0	—
CENTERVILLE	DPL	—	—	D	Minimal	0	—
CHINCOTEAGUE	DPL	—	—	D	Minimal	0	—
CHRISTIANA	DPL	—	—	C	Limited	0	—
CITISTEEL	DPL	—	—	C	Limited	0	—
CLAYMONT	DPL	—	—	D	Minimal	0	—
COLORA	DPL	—	—	C	Limited	0	—
CONCORD I SWITCHING STATION	DPL	—	—	D	Minimal	0	—
EDGE Moor	DPL	—	—	C	Limited	0	—
GIS-SUB-sci:DE:138kv	DPL	—	—	A	Moderate	0	—
GIS-SUB-sci:DE:230kv	DPL	—	—	D	Minimal	0	—
GIS-SUB-sci:DE:69kv	DPL	—	—	A	Moderate	0	—
GIS-SUB-sci:MD:138kv	DPL	—	—	A	Moderate	0	—
GIS-SUB-sci:MD:69kv	DPL	—	—	C	Limited	0	—
GIS-SUB-sci:VA:138kv	DPL	—	—	C	Limited	0	—
GIS-SUB-sci:VA:69kv	DPL	—	—	D	Minimal	0	—
GLASGOW	DPL	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GRASONVILLE	DPL	—	—	D	Minimal	0	—
HARMONY	DPL	—	—	D	Minimal	0	—
HILLSBORO	DPL	—	—	C	Limited	0	—
KEENEY	DPL	—	—	D	Minimal	0	—
KIAMENSI	DPL	—	—	C	Limited	0	—
LAUREL	DPL	—	—	D	Minimal	0	—
MILLTOWN	DPL	—	—	C	Limited	0	—
MT. PLEASANT	DPL	—	—	C	Limited	0	—
NEW CASTLE	DPL	—	—	C	Limited	0	—
OAK HALL	DPL	—	—	D	Minimal	0	—
PEPPER	DPL	—	—	D	Minimal	0	—
PRICE	DPL	—	—	D	Minimal	0	—
RED LION	DPL	—	—	C	Limited	0	—
REHOBOTH	DPL	—	—	C	Limited	0	—
RISER139373	DPL	—	—	D	Minimal	0	—
RISER139374	DPL	—	—	D	Minimal	0	—
RISER139375	DPL	—	—	D	Minimal	0	—
RISER139377	DPL	—	—	D	Minimal	0	—
RISER156259	DPL	—	—	D	Minimal	0	—
RISER156260	DPL	—	—	D	Minimal	0	—
RISER158153	DPL	—	—	D	Minimal	0	—
RISER170962	DPL	—	—	D	Minimal	0	—
ROBINSONVILLE	DPL	—	—	D	Minimal	0	—
ROCK SPRINGS	DPL	—	—	D	Minimal	0	—
SILVER SIDE ROAD	DPL	—	—	D	Minimal	0	—
SILVERBROOK	DPL	—	—	C	Limited	0	—
SUBSTATION #1	DPL	—	—	D	Minimal	0	—
SUNSET LAKE	DPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139175	DPL	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139176	DPL	—	—	D	Minimal	0	—
TAP139177	DPL	—	—	D	Minimal	0	—
TAP139178	DPL	—	—	D	Minimal	0	—
TAP139356	DPL	—	—	C	Limited	0	—
TAP139358	DPL	—	—	D	Minimal	0	—
TAP139365	DPL	—	—	A	Moderate	0	—
TAP139370	DPL	—	—	D	Minimal	0	—
TAP139390	DPL	—	—	D	Minimal	0	—
TAP139391	DPL	—	—	D	Minimal	0	—
TAP139394	DPL	—	—	D	Minimal	0	—
TAP139395	DPL	—	—	D	Minimal	0	—
TAP139396	DPL	—	—	D	Minimal	0	—
TAP147964	DPL	—	—	C	Limited	0	—
TAP155827	DPL	—	—	D	Minimal	0	—
TAP156257	DPL	—	—	C	Limited	0	—
TAP161360	DPL	—	—	C	Limited	0	—
TAP170920	DPL	—	—	D	Minimal	0	—
TAP170930	DPL	—	—	C	Limited	0	—
TAP170951	DPL	—	—	A	Moderate	0	—
TAP173339	DPL	—	—	D	Minimal	0	—
TAP173341	DPL	—	—	C	Limited	0	—
TAYLOR	DPL	—	—	D	Minimal	0	—
VAUGHN	DPL	—	—	C	Limited	0	—
VERNON	DPL	—	—	D	Minimal	0	—
WALLOPS ISLAND	DPL	—	—	C	Limited	0	—
WATTSVILLE	DPL	—	—	C	Limited	0	—
WEST	DPL	—	—	D	Minimal	0	—
WHARTON	DPL	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WORKMAN	DPL	—	—	D	Minimal	0	—
WYE MILLS	DPL	—	—	C	Limited	0	—
BRUNOT ISLAND	DUQ	—	—	D	Minimal	4	152
CARSON	DUQ	—	—	D	Minimal	3	102
CHESWICK	DUQ	—	—	D	Minimal	0	—
CLINTON	DUQ	—	—	D	Minimal	0	—
COLLIER	DUQ	—	—	D	Minimal	2	55
CRESCENT	DUQ	—	—	D	Minimal	0	—
DRAVOSBURG	DUQ	—	—	D	Minimal	0	—
GIS-SUB-sci:PA:138kv	DUQ	—	—	D	Minimal	0	—
HARWICK	DUQ	—	—	D	Minimal	0	—
HIGHLAND	DUQ	—	—	D	Minimal	0	—
HOYTDAL	DUQ	—	—	D	Minimal	0	—
LOGANS FERRY	DUQ	—	—	D	Minimal	0	—
MANSFIELD STATION	DUQ	—	—	C	Limited	0	—
MIDLAND	DUQ	—	—	C	Limited	0	—
MON VALLEY WORKS ILLINOIS	DUQ	—	—	D	Minimal	0	—
MONTOUR	DUQ	—	—	D	Minimal	1	5
NORTH	DUQ	—	—	C	Limited	0	—
PINE CREEK	DUQ	—	—	D	Minimal	0	—
PLUM	DUQ	—	—	D	Minimal	0	—
RACCOON	DUQ	—	—	C	Limited	0	—
TAP138738	DUQ	—	—	C	Limited	0	—
TAP138739	DUQ	—	—	C	Limited	0	—
TAP138740	DUQ	—	—	D	Minimal	0	—
TAP140061	DUQ	—	—	D	Minimal	0	—
TAP140064	DUQ	—	—	D	Minimal	0	—
TAP140138	DUQ	—	—	D	Minimal	2	52

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140142	DUQ	—	—	D	Minimal	0	—
TAP140143	DUQ	—	—	D	Minimal	0	—
TAP146394	DUQ	—	—	D	Minimal	0	—
TAP151899	DUQ	—	—	D	Minimal	1	5
TAP156231	DUQ	—	—	D	Minimal	0	—
TAP171936	DUQ	—	—	D	Minimal	0	—
UNIVERSAL	DUQ	—	—	C	Limited	0	—
VALLEY	DUQ	—	—	D	Minimal	0	—
WEST MIFFLIN	DUQ	—	—	D	Minimal	0	—
WILDWOOD	DUQ	—	—	D	Minimal	0	—
WILMERDING	DUQ	—	—	D	Minimal	0	—
WOODVILLE	DUQ	—	—	D	Minimal	1	50
ATLANTIC	JCPL	—	—	D	Minimal	0	—
CHESTER	JCPL	—	—	D	Minimal	0	—
FRENEAU	JCPL	—	—	D	Minimal	0	—
GILBERT	JCPL	—	—	C	Limited	0	—
GILLETTE	JCPL	—	—	C	Limited	0	—
GIS-SUB-sci:NJ:500kv	JCPL	—	—	D	Minimal	0	—
GLEN GARDNER	JCPL	—	—	D	Minimal	0	—
LAKEWOOD	JCPL	—	—	C	Limited	0	—
LARRABEE	JCPL	—	—	D	Minimal	0	—
LEISURE VILLAGE	JCPL	—	—	C	Limited	0	—
MANITOUS	JCPL	—	—	D	Minimal	0	—
MONTVILLE	JCPL	—	—	D	Minimal	6	300
NJT ABERDEEN	JCPL	—	—	D	Minimal	0	—
OCEANVIEW	JCPL	—	—	C	Limited	0	—
OYSTER CREEK	JCPL	—	—	C	Limited	0	—
SMITHBURG	JCPL	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140867	JCPL	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP141141	JCPL	—	—	D	Minimal	0	—
TAP141263	JCPL	—	—	D	Minimal	0	—
TAP141264	JCPL	—	—	D	Minimal	0	—
WHIPPANY	JCPL	—	—	D	Minimal	8	400
BRUNNER ISLAND	METED	—	—	D	Minimal	0	—
DELTA YORK EC	METED	—	—	C	Limited	0	—
GIS-SUB-sci:PA:115kv	METED	—	—	D	Minimal	0	—
NORTH BOYERTOWN	METED	—	—	D	Minimal	0	—
OTTER CREEK	METED	—	—	D	Minimal	0	—
PEACH BOTTOM	METED	—	—	C	Limited	0	—
ROUNDTOP	METED	—	—	D	Minimal	0	—
SOUTH READING	METED	—	—	D	Minimal	0	—
TAP139392	METED	—	—	C	Limited	0	—
TAP139393	METED	—	—	C	Limited	0	—
TAP141073	METED	—	—	C	Limited	0	—
TAP141090	METED	—	—	D	Minimal	0	—
TAP141091	METED	—	—	D	Minimal	0	—
TAP141092	METED	—	—	D	Minimal	0	—
TAP141093	METED	—	—	D	Minimal	0	—
TAP141111	METED	—	—	C	Limited	0	—
TAP141150	METED	—	—	C	Limited	0	—
TAP141151	METED	—	—	C	Limited	0	—
TAP171514	METED	—	—	C	Limited	0	—
YORKANA	METED	—	—	C	Limited	0	—
ANGORA	PECO	—	—	D	Minimal	0	—
BALA	PECO	—	—	D	Minimal	0	—
BARBADOES	PECO	—	—	D	Minimal	1	50
BETZWOOD	PECO	—	—	D	Minimal	1	50

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BLUEGRASS	PECO	—	—	C	Limited	0	—
BRADFORD	PECO	—	—	C	Minimal	0	—
BRYN MAWR	PECO	—	—	D	Minimal	0	—
BUCKINGHAM	PECO	—	—	C	Limited	0	—
BURHOLME	PECO	—	—	D	Minimal	0	—
BUXMONT	PECO	—	—	D	Minimal	0	—
BYBERRY	PECO	—	—	C	Limited	0	—
CALLOWHILL	PECO	—	—	D	Minimal	4	150
CENTERPOINT	PECO	—	—	C	Limited	0	—
CHICHESTER	PECO	—	—	C	Limited	0	—
CLAY	PECO	—	—	D	Minimal	0	—
CONCORD	PECO	—	—	C	Limited	0	—
CRESCENTVILLE	PECO	—	—	D	Minimal	0	—
CROMBY	PECO	—	—	D	Minimal	1	7
CROYDON	PECO	—	—	D	Minimal	0	—
DELAWARE	PECO	—	—	D	Minimal	0	—
DELCO TAP	PECO	—	—	C	Limited	0	—
DLUZERNE	PECO	—	—	D	Minimal	0	—
EDDINGTON	PECO	—	—	C	Limited	0	—
EDDYSTONE	PECO	—	—	D	Minimal	0	—
ELROY	PECO	—	—	D	Minimal	0	—
EMILIE	PECO	—	—	D	Minimal	0	—
FOULK	PECO	—	—	C	Limited	0	—
FOX CHASE	PECO	—	—	C	Limited	0	—
GIS-SUB-sci:PA:230kv	PECO	—	—	C	Limited	0	—
GREYS FERRY	PECO	—	—	D	Minimal	0	—
HARTMAN	PECO	—	—	D	Minimal	0	—
HEATON	PECO	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ISLAND ROAD	PECO	—	—	D	Minimal	0	—
JARRETT	PECO	—	—	C	Limited	0	—
JENKINTOWN	PECO	—	—	D	Minimal	0	—
LENAPE	PECO	—	—	C	Limited	0	—
LIMERICK (230KV SUB)	PECO	—	—	D	Minimal	1	50
LIMERICK (500KV SUB)	PECO	—	—	D	Minimal	1	50
LINTON	PECO	—	—	D	Minimal	0	—
LINWOOD	PECO	—	—	C	Limited	0	—
LLANERCH	PECO	—	—	D	Minimal	0	—
MASTER	PECO	—	—	D	Minimal	1	50
MIDDLETOWN	PECO	—	—	C	Limited	0	—
MORTON	PECO	—	—	C	Limited	0	—
NESHAMINY	PECO	—	—	D	Minimal	0	—
NEWLINVILLE	PECO	—	—	C	Limited	0	—
NORTH PHILADELPHIA	PECO	—	—	D	Minimal	0	—
NORTH WALES	PECO	—	—	C	Limited	0	—
NOTTINGHAM	PECO	—	—	D	Minimal	0	—
PARRISH	PECO	—	—	D	Minimal	1	50
PASSYUNK	PECO	—	—	D	Minimal	1	50
PENROSE	PECO	—	—	D	Minimal	0	—
PERKIOMEN	PECO	—	—	C	Limited	1	7
PLYMOUTH MEETING	PECO	—	—	D	Minimal	0	—
PULASKI	PECO	—	—	D	Minimal	0	—
RICHMOND	PECO	—	—	D	Minimal	0	—
RISER141096	PECO	—	—	D	Minimal	0	—
RISER141110	PECO	—	—	D	Minimal	0	—
RISER141112	PECO	—	—	D	Minimal	0	—
RISER141113	PECO	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RISER141114	PECO	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RISER141121	PECO	—	—	D	Minimal	0	—
SAVILLE	PECO	—	—	D	Minimal	0	—
SCHUYLKILL	PECO	—	—	D	Minimal	3	100
SCHUYLKILL	PECO	—	—	D	Minimal	0	—
SHARON HILL	PECO	—	—	D	Minimal	0	—
SOUTHWARK	PECO	—	—	D	Minimal	1	50
TABOR	PECO	—	—	D	Minimal	0	—
TAP138423	PECO	—	—	C	Limited	0	—
TAP138424	PECO	—	—	C	Limited	0	—
TAP141075	PECO	—	—	D	Minimal	0	—
TAP141076	PECO	—	—	C	Limited	0	—
TAP141077	PECO	—	—	D	Minimal	1	300
TAP141078	PECO	—	—	D	Minimal	0	—
TAP141079	PECO	—	—	D	Minimal	0	—
TAP141080	PECO	—	—	D	Minimal	0	—
TAP141081	PECO	—	—	D	Minimal	0	—
TAP141082	PECO	—	—	D	Minimal	0	—
TAP141083	PECO	—	—	C	Limited	1	50
TAP141097	PECO	—	—	C	Limited	0	—
TAP141107	PECO	—	—	D	Minimal	0	—
TAP141109	PECO	—	—	C	Limited	0	—
TAP141115	PECO	—	—	C	Limited	0	—
TAP141116	PECO	—	—	C	Limited	0	—
TAP141122	PECO	—	—	D	Minimal	0	—
TAP141126	PECO	—	—	C	Limited	0	—
TAP141131	PECO	—	—	C	Limited	0	—
TAP141133	PECO	—	—	C	Limited	0	—
TAP162375	PECO	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP171739	PECO	—	—	D	Minimal	0	—
TAP172529	PECO	—	—	D	Minimal	0	—
TRAINER	PECO	—	—	C	Limited	0	—
TUNA	PECO	—	—	D	Minimal	0	—
TUNNEL	PECO	—	—	D	Minimal	1	50
UPPER DARBY	PECO	—	—	D	Minimal	0	—
UPPER PROVIDENCE	PECO	—	—	D	Minimal	2	57
WANEETA	PECO	—	—	D	Minimal	0	—
WARMINSTER	PECO	—	—	D	Minimal	0	—
WARRINGTON	PECO	—	—	C	Limited	0	—
WAVERLY	PECO	—	—	D	Minimal	4	150
WAYNE JUNCTION	PECO	—	—	D	Minimal	0	—
WESTMORELAND	PECO	—	—	D	Minimal	0	—
WHITPAIN	PECO	—	—	C	Limited	0	—
WOODBOURNE	PECO	—	—	D	Minimal	0	—
ALTOONA	PENELEC	—	—	C	Limited	0	—
DUBOIS	PENELEC	—	—	D	Minimal	0	—
EERIE SOUTH	PENELEC	—	—	D	Minimal	0	—
ERIE WEST	PENELEC	—	—	D	Minimal	0	—
JOHNSTOWN	PENELEC	—	—	D	Minimal	0	—
MILESBURG	PENELEC	—	—	C	Limited	0	—
MOSHANNON	PENELEC	—	—	D	Minimal	0	—
PHILIPSBURG	PENELEC	—	—	D	Minimal	0	—
RISER140511	PENELEC	—	—	D	Minimal	0	—
SHAWVILLE STATION	PENELEC	—	—	C	Limited	0	—
SHINGLETOWN	PENELEC	—	—	D	Minimal	0	—
TAP138736	PENELEC	—	—	D	Minimal	0	—
TAP140130	PENELEC	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140476	PENELEC	—	—	D	Minimal	0	—
TAP140477	PENELEC	—	—	D	Minimal	0	—
TAP140647	PENELEC	—	—	D	Minimal	0	—
TAP140648	PENELEC	—	—	D	Minimal	0	—
TAP156228	PENELEC	—	—	D	Minimal	0	—
WAYNE	PENELEC	—	—	D	Minimal	0	—
12TH & IRVING	PEPCO	—	—	C	Limited	0	—
ALABAMA AVENUE	PEPCO	—	—	C	Limited	0	—
AQUASCO	PEPCO	—	—	D	Minimal	0	—
BELLS MILL	PEPCO	—	—	C	Limited	0	—
BENNING (115KV)	PEPCO	—	—	C	Limited	0	—
BENNING (230KV)	PEPCO	—	—	C	Limited	0	—
BENNING (69KV)	PEPCO	—	—	C	Limited	0	—
BETHESDA	PEPCO	—	—	C	Limited	0	—
BLADENSBURG	PEPCO	—	—	C	Limited	0	—
BLUE PLAINS	PEPCO	—	—	D	Minimal	0	—
BOWIE	PEPCO	—	—	D	Minimal	0	—
BRIGHTON	PEPCO	—	—	D	Minimal	0	—
BUENA VISTA	PEPCO	—	—	D	Minimal	0	—
BURCHES HILL	PEPCO	—	—	C	Limited	0	—
BURTONSVILLE	PEPCO	—	—	D	Minimal	0	—
BUZZARD POINT	PEPCO	—	—	C	Limited	0	—
CHALK POINT	PEPCO	—	—	D	Minimal	0	—
CLARKSBURG	PEPCO	—	—	C	Limited	0	—
DICKERSON	PEPCO	—	—	C	Minimal	1	360
FARMINGTON	PEPCO	—	—	D	Minimal	0	—
FORT SLOCUM	PEPCO	—	—	C	Limited	0	—
GALLAHAN ROAD	PEPCO	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GIS-SUB-sci:MD:230kv	PEPCO	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GIS-SUB-sci:MD:500kv	PEPCO	—	—	C	Limited	0	—
HARRISON	PEPCO	—	—	C	Limited	0	—
HAWKINS GATE	PEPCO	—	—	D	Minimal	0	—
JERICO	PEPCO	—	—	D	Minimal	0	—
KINGSWOOD	PEPCO	—	—	C	Limited	0	—
LANHAM	PEPCO	—	—	C	Limited	0	—
METZEROTT ROAD	PEPCO	—	—	C	Limited	0	—
MORGANTOWN	PEPCO	—	—	C	Limited	0	—
MOUNT ZION	PEPCO	—	—	C	Limited	0	—
NORBECK	PEPCO	—	—	C	Limited	0	—
O ST	PEPCO	—	—	C	Limited	4	200
OAK GROVE	PEPCO	—	—	C	Limited	0	—
PALMERS CORNER	PEPCO	—	—	D	Minimal	0	—
PEPCO HARVARD	PEPCO	—	—	C	Limited	4	200
QUINCE ORCHARD	PEPCO	—	—	C	Limited	0	—
RITCHIE	PEPCO	—	—	C	Limited	0	—
RYCEVILLE	PEPCO	—	—	D	Minimal	0	—
SANDY SPRING	PEPCO	—	—	D	Minimal	0	—
SOUTHWEST	PEPCO	—	—	C	Limited	0	—
TALBERT TAP	PEPCO	—	—	C	Limited	0	—
TAP139090	PEPCO	—	—	C	Limited	0	—
TAP139092	PEPCO	—	—	C	Limited	0	—
TAP139093	PEPCO	—	—	C	Limited	0	—
TAP139094	PEPCO	—	—	C	Limited	0	—
TAP139096	PEPCO	—	—	C	Limited	0	—
TAP139097	PEPCO	—	—	C	Limited	0	—
TAP139171	PEPCO	—	—	D	Minimal	0	—
TAP139172	PEPCO	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139173	PEPCO	—	—	D	Minimal	0	—
TAP139174	PEPCO	—	—	D	Minimal	0	—
TAP139326	PEPCO	—	—	C	Limited	0	—
TAP139327	PEPCO	—	—	C	Limited	0	—
TAP139328	PEPCO	—	—	C	Limited	0	—
TAP161411	PEPCO	—	—	A	Moderate	0	—
TAP161414	PEPCO	—	—	C	Limited	0	—
TENTH ST	PEPCO	—	—	C	Limited	4	200
TOKOMA	PEPCO	—	—	D	Minimal	0	—
TUXEDO	PEPCO	—	—	C	Limited	0	—
TUXEDO	PEPCO	—	—	C	Limited	0	—
VAN NESS	PEPCO	—	—	C	Limited	0	—
WALKER MILL ROAD	PEPCO	—	—	C	Limited	0	—
WESTLAKE	PEPCO	—	—	C	Limited	0	—
WILDERCROFT	PEPCO	—	—	C	Limited	0	—
ALBURTIS	PPL	—	—	D	Minimal	0	—
BURLE	PPL	—	—	C	Limited	0	—
BUSHKILL	PPL	—	—	D	Minimal	0	—
CHAPMAN	PPL	—	—	D	Minimal	0	—
COLUMBIA	PPL	—	—	D	Minimal	0	—
DEADEND167311	PPL	—	—	D	Minimal	0	—
DEADEND167312	PPL	—	—	C	Limited	0	—
DEADEND167313	PPL	—	—	D	Minimal	0	—
DEADEND172610	PPL	—	—	D	Minimal	0	—
DONEGAL	PPL	—	—	C	Limited	0	—
DONERVILLE	PPL	—	—	C	Limited	0	—
DONNELLEY	PPL	—	—	C	Limited	0	—
DONNELLEY GRAVURE	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DORNYVILLE	PPL	—	—	D	Minimal	0	—
EAST LANCASTER	PPL	—	—	C	Limited	0	—
ELIMSPORT	PPL	—	—	D	Minimal	0	—
ENGLESIDE	PPL	—	—	C	Minimal	1	300
FACE ROCK	PPL	—	—	D	Minimal	0	—
FRACKVILLE	PPL	—	—	C	Limited	0	—
FULLER	PPL	—	—	C	Limited	0	—
FULLER TAP	PPL	—	—	C	Limited	0	—
GLENDON	PPL	—	—	D	Minimal	0	—
HOSENSACK	PPL	—	—	D	Minimal	0	—
HOSENSACK (500 KV SUB)	PPL	—	—	D	Minimal	0	—
HUMMELSTOWN	PPL	—	—	D	Minimal	0	—
JENKINS	PPL	—	—	C	Limited	0	—
Jessup Substation	PPL	—	—	C	Limited	0	—
JUNIATA	PPL	—	—	D	Minimal	1	50
LACKAWANNA	PPL	—	—	C	Minimal	1	1,600
LANCASTER AIR PRODUCTS	PPL	—	—	C	Limited	0	—
LANDSVILLE	PPL	—	—	C	Limited	0	—
LEOLA	PPL	—	—	C	Limited	0	—
LINCOLN STATION	PPL	—	—	C	Minimal	4	450
LYCOMING	PPL	—	—	D	Minimal	0	—
MARTINS CREEK	PPL	—	—	D	Minimal	0	—
MIDDLETOWN JUNCTION	PPL	—	—	D	Minimal	0	—
MILLWOOD	PPL	—	—	C	Limited	0	—
MONTOUR STATION	PPL	—	—	D	Minimal	0	—
MT JOY	PPL	—	—	C	Limited	0	—
MUDDY RUN	PPL	—	—	D	Minimal	0	—
NORTH MESHOPPEN	PPL	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PECKVILLE	PPL	—	—	C	Minimal	2	1,650

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PORTLAND STATION	PPL	—	—	D	Minimal	0	—
PRINCE	PPL	—	—	C	Minimal	1	300
QUARRY	PPL	—	—	D	Minimal	0	—
RISER140200	PPL	—	—	D	Minimal	0	—
RISER140201	PPL	—	—	D	Minimal	0	—
RISER140235	PPL	—	—	D	Minimal	0	—
RISER140236	PPL	—	—	D	Minimal	0	—
RISER141196	PPL	—	—	C	Limited	0	—
RISER141197	PPL	—	—	C	Limited	0	—
RISER146745	PPL	—	—	C	Limited	0	—
RISER156219	PPL	—	—	C	Minimal	1	300
ROHRERSTOWN	PPL	—	—	C	Limited	0	—
SAFE HARBOR	PPL	—	—	C	Limited	0	—
SHAWNEE	PPL	—	—	D	Minimal	0	—
SHERMAN STATION	PPL	—	—	C	Minimal	4	450
SIEGFRIED	PPL	—	—	D	Minimal	0	—
SOUTH AKRON	PPL	—	—	C	Limited	0	—
SOUTH MANHEIM	PPL	—	—	C	Limited	0	—
SOUTH WHITEHALL	PPL	—	—	D	Minimal	0	—
STEEL CITY	PPL	—	—	D	Minimal	0	—
SUMNER	PPL	—	—	D	Minimal	0	—
SUNBURY	PPL	—	—	D	Minimal	0	—
SUSQUEHANNA	PPL	—	—	D	Minimal	1	960
TAP138420	PPL	—	—	C	Limited	0	—
TAP138428	PPL	—	—	C	Limited	0	—
TAP138429	PPL	—	—	C	Limited	0	—
TAP138433	PPL	—	—	D	Minimal	0	—
TAP138487	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138488	PPL	—	—	C	Limited	0	—
TAP138497	PPL	—	—	C	Limited	0	—
TAP138498	PPL	—	—	C	Limited	0	—
TAP138499	PPL	—	—	C	Limited	0	—
TAP138500	PPL	—	—	D	Minimal	0	—
TAP138501	PPL	—	—	C	Limited	0	—
TAP138503	PPL	—	—	D	Minimal	0	—
TAP138504	PPL	—	—	D	Minimal	0	—
TAP138505	PPL	—	—	D	Minimal	0	—
TAP138506	PPL	—	—	D	Minimal	0	—
TAP138507	PPL	—	—	C	Limited	0	—
TAP138508	PPL	—	—	C	Limited	0	—
TAP138509	PPL	—	—	C	Limited	0	—
TAP138510	PPL	—	—	C	Limited	0	—
TAP139105	PPL	—	—	D	Minimal	0	—
TAP140194	PPL	—	—	D	Minimal	0	—
TAP140195	PPL	—	—	D	Minimal	0	—
TAP140202	PPL	—	—	D	Minimal	0	—
TAP140203	PPL	—	—	D	Minimal	0	—
TAP140204	PPL	—	—	C	Limited	0	—
TAP140205	PPL	—	—	C	Limited	0	—
TAP140211	PPL	—	—	C	Limited	0	—
TAP140212	PPL	—	—	C	Limited	0	—
TAP140213	PPL	—	—	C	Limited	0	—
TAP140214	PPL	—	—	C	Limited	0	—
TAP140215	PPL	—	—	C	Limited	0	—
TAP140216	PPL	—	—	C	Limited	0	—
TAP140217	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140218	PPL	—	—	C	Limited	0	—
TAP140219	PPL	—	—	C	Limited	0	—
TAP140220	PPL	—	—	C	Limited	0	—
TAP140221	PPL	—	—	C	Limited	0	—
TAP140222	PPL	—	—	C	Limited	0	—
TAP140223	PPL	—	—	C	Limited	0	—
TAP140224	PPL	—	—	D	Minimal	0	—
TAP140225	PPL	—	—	D	Minimal	0	—
TAP140226	PPL	—	—	D	Minimal	0	—
TAP140227	PPL	—	—	D	Minimal	0	—
TAP140228	PPL	—	—	D	Minimal	0	—
TAP140229	PPL	—	—	D	Minimal	0	—
TAP140230	PPL	—	—	D	Minimal	0	—
TAP140231	PPL	—	—	D	Minimal	0	—
TAP140232	PPL	—	—	D	Minimal	0	—
TAP140233	PPL	—	—	C	Limited	0	—
TAP140234	PPL	—	—	C	Limited	0	—
TAP140237	PPL	—	—	C	Limited	0	—
TAP140239	PPL	—	—	C	Limited	0	—
TAP140240	PPL	—	—	C	Limited	0	—
TAP140241	PPL	—	—	C	Limited	0	—
TAP140245	PPL	—	—	C	Limited	0	—
TAP140246	PPL	—	—	C	Limited	0	—
TAP140247	PPL	—	—	C	Limited	0	—
TAP140248	PPL	—	—	C	Limited	0	—
TAP140249	PPL	—	—	C	Limited	0	—
TAP140250	PPL	—	—	C	Limited	0	—
TAP140251	PPL	—	—	C	Limited	2	100

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140252	PPL	—	—	C	Limited	2	100

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140253	PPL	—	—	C	Limited	2	100
TAP140254	PPL	—	—	C	Limited	0	—
TAP140259	PPL	—	—	C	Limited	0	—
TAP140260	PPL	—	—	C	Limited	0	—
TAP140410	PPL	—	—	D	Minimal	0	—
TAP140646	PPL	—	—	D	Minimal	0	—
TAP141074	PPL	—	—	C	Limited	0	—
TAP141084	PPL	—	—	C	Limited	0	—
TAP141085	PPL	—	—	C	Limited	0	—
TAP141086	PPL	—	—	C	Limited	0	—
TAP141087	PPL	—	—	C	Limited	0	—
TAP141152	PPL	—	—	C	Minimal	1	835
TAP141153	PPL	—	—	D	Minimal	1	835
TAP141154	PPL	—	—	D	Minimal	0	—
TAP141155	PPL	—	—	C	Limited	0	—
TAP141156	PPL	—	—	C	Limited	0	—
TAP141157	PPL	—	—	C	Limited	0	—
TAP141163	PPL	—	—	C	Limited	0	—
TAP141164	PPL	—	—	C	Limited	0	—
TAP141165	PPL	—	—	C	Limited	0	—
TAP141169	PPL	—	—	D	Minimal	0	—
TAP141172	PPL	—	—	C	Limited	0	—
TAP141173	PPL	—	—	C	Limited	0	—
TAP141174	PPL	—	—	C	Limited	0	—
TAP141175	PPL	—	—	C	Limited	0	—
TAP141176	PPL	—	—	C	Limited	0	—
TAP141177	PPL	—	—	C	Limited	0	—
TAP141178	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP141184	PPL	—	—	C	Limited	0	—
TAP141185	PPL	—	—	C	Limited	0	—
TAP141188	PPL	—	—	C	Limited	0	—
TAP141189	PPL	—	—	C	Limited	0	—
TAP141190	PPL	—	—	C	Limited	0	—
TAP141191	PPL	—	—	C	Limited	0	—
TAP141192	PPL	—	—	C	Limited	0	—
TAP141193	PPL	—	—	C	Limited	0	—
TAP141194	PPL	—	—	C	Limited	0	—
TAP141195	PPL	—	—	C	Limited	0	—
TAP141305	PPL	—	—	C	Limited	0	—
TAP141306	PPL	—	—	C	Limited	0	—
TAP141307	PPL	—	—	C	Limited	0	—
TAP141308	PPL	—	—	C	Limited	0	—
TAP141309	PPL	—	—	C	Limited	0	—
TAP141310	PPL	—	—	C	Limited	0	—
TAP141313	PPL	—	—	C	Limited	0	—
TAP141315	PPL	—	—	C	Limited	0	—
TAP141316	PPL	—	—	C	Limited	0	—
TAP141317	PPL	—	—	C	Limited	0	—
TAP141319	PPL	—	—	C	Limited	0	—
TAP141320	PPL	—	—	C	Limited	0	—
TAP141321	PPL	—	—	C	Limited	0	—
TAP141322	PPL	—	—	C	Limited	0	—
TAP141323	PPL	—	—	C	Limited	0	—
TAP141324	PPL	—	—	C	Minimal	1	750
TAP141325	PPL	—	—	C	Limited	0	—
TAP146489	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP146493	PPL	—	—	C	Minimal	0	—
TAP146494	PPL	—	—	C	Minimal	1	300
TAP146499	PPL	—	—	C	Limited	0	—
TAP146500	PPL	—	—	C	Limited	0	—
TAP146519	PPL	—	—	C	Limited	0	—
TAP146520	PPL	—	—	C	Limited	0	—
TAP146523	PPL	—	—	C	Limited	0	—
TAP146524	PPL	—	—	C	Limited	0	—
TAP146525	PPL	—	—	C	Limited	0	—
TAP146526	PPL	—	—	C	Limited	0	—
TAP146527	PPL	—	—	C	Limited	0	—
TAP146528	PPL	—	—	C	Limited	0	—
TAP146530	PPL	—	—	C	Limited	0	—
TAP146531	PPL	—	—	C	Limited	0	—
TAP146532	PPL	—	—	C	Limited	0	—
TAP146737	PPL	—	—	C	Limited	0	—
TAP146738	PPL	—	—	C	Limited	0	—
TAP146743	PPL	—	—	C	Limited	0	—
TAP146751	PPL	—	—	C	Limited	0	—
TAP146752	PPL	—	—	C	Limited	0	—
TAP147477	PPL	—	—	C	Minimal	1	1,200
TAP147478	PPL	—	—	C	Minimal	1	1,200
TAP147479	PPL	—	—	C	Limited	0	—
TAP147480	PPL	—	—	C	Limited	0	—
TAP147481	PPL	—	—	C	Limited	0	—
TAP147484	PPL	—	—	C	Limited	0	—
TAP147485	PPL	—	—	C	Limited	0	—
TAP147486	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147487	PPL	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147488	PPL	—	—	C	Minimal	1	1,200
TAP147510	PPL	—	—	C	Limited	0	—
TAP155779	PPL	—	—	C	Limited	0	—
TAP155780	PPL	—	—	C	Limited	0	—
TAP155781	PPL	—	—	C	Limited	0	—
TAP155783	PPL	—	—	D	Minimal	0	—
TAP156213	PPL	—	—	C	Limited	0	—
TAP156214	PPL	—	—	C	Limited	0	—
TAP156216	PPL	—	—	C	Limited	0	—
TAP156217	PPL	—	—	C	Limited	0	—
TAP156218	PPL	—	—	C	Limited	0	—
TAP156220	PPL	—	—	C	Limited	0	—
TAP156221	PPL	—	—	C	Limited	0	—
TAP156224	PPL	—	—	C	Minimal	2	1,650
TAP162049	PPL	—	—	D	Minimal	0	—
TAP162366	PPL	—	—	C	Limited	0	—
TAP167314	PPL	—	—	D	Minimal	0	—
TAP167315	PPL	—	—	D	Minimal	0	—
TAP170898	PPL	—	—	C	Limited	0	—
TAP170903	PPL	—	—	C	Limited	0	—
TAP170904	PPL	—	—	C	Limited	0	—
TAP170905	PPL	—	—	C	Limited	0	—
TAP170909	PPL	—	—	C	Limited	0	—
TAP170910	PPL	—	—	C	Limited	0	—
TAP170911	PPL	—	—	C	Limited	0	—
TAP170913	PPL	—	—	C	Limited	0	—
TAP170915	PPL	—	—	C	Limited	0	—
TAP170916	PPL	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP171786	PPL	—	—	C	Limited	1	50
TAP171810	PPL	—	—	C	Limited	1	17
TAP171811	PPL	—	—	C	Limited	1	17
TAP171812	PPL	—	—	C	Limited	1	17
TAP171813	PPL	—	—	C	Limited	0	—
TAP171815	PPL	—	—	C	Minimal	1	750
TAP171816	PPL	—	—	C	Minimal	1	750
TAP171824	PPL	—	—	C	Limited	0	—
TAP171845	PPL	—	—	D	Minimal	0	—
TAP171914	PPL	—	—	C	Limited	0	—
TAP172015	PPL	—	—	C	Limited	0	—
TAP172489	PPL	—	—	C	Limited	0	—
TAP173577	PPL	—	—	C	Limited	0	—
THREE MILE ISLAND	PPL	—	—	C	Minimal	1	835
WESCOSVILLE	PPL	—	—	D	Minimal	0	—
WEST HEMPFIELD	PPL	—	—	C	Limited	0	—
ADAMS	PSEG	—	—	C	Limited	0	—
ALDENE	PSEG	—	—	D	Minimal	1	50
ATHENIA SWITCHING STATION	PSEG	—	—	C	Limited	4	200
BAYONNE SWITCHING STATION	PSEG	—	—	C	Limited	0	—
BAYWAY	PSEG	—	—	D	Minimal	0	—
BELLEVILLE	PSEG	—	—	C	Limited	4	200
BENNETTS LANE SUBSTATION	PSEG	—	—	C	Limited	0	—
BERGEN	PSEG	—	—	C	Limited	1	50
BRANCBURG	PSEG	—	—	D	Minimal	0	—
BRUNSWICK	PSEG	—	—	C	Limited	0	—
CEDAR GROVE	PSEG	—	—	C	Limited	0	—
CLIFTON	PSEG	—	—	C	Limited	4	200

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
COOK ROAD	PSEG	—	—	C	Limited	0	—
DEANS	PSEG	—	—	C	Limited	0	—
DOREMUS PLACE	PSEG	—	—	D	Minimal	1	50
EDISON	PSEG	—	—	C	Limited	0	—
ESSEX	PSEG	—	—	C	Limited	0	—
FAIR LAWN	PSEG	—	—	C	Limited	0	—
FANWOOD	PSEG	—	—	D	Minimal	0	—
FEDERAL SQUARE	PSEG	—	—	C	Limited	2	52
GIS-SUB-sci:NJ:138kv	PSEG	—	—	C	Limited	1	50
GIS-SUB-sci:NJ:230kv	PSEG	—	—	C	Limited	0	—
GIS-SUB-sci:NJ:345kv	PSEG	—	—	C	Limited	0	—
GREENBROOK	PSEG	—	—	C	Limited	2	115
HAWTHORNE	PSEG	—	—	C	Limited	0	—
HILLSDALE	PSEG	—	—	C	Limited	0	—
HOMESTEAD	PSEG	—	—	C	Minimal	17	782
HVDC B2B STATION HUDSON	PSEG	—	—	C	Limited	1	50
JACKSON ROAD	PSEG	—	—	C	Limited	0	—
KEARNY	PSEG	—	—	C	Limited	0	—
KILNER	PSEG	—	—	C	Limited	3	61
KINGSLAND	PSEG	—	—	C	Limited	0	—
LAFAYETTE ROAD STATION	PSEG	—	—	C	Limited	1	50
LAKE NELSON	PSEG	—	—	C	Limited	4	126
LAUREL AVE	PSEG	—	—	D	Minimal	0	—
LEONIA	PSEG	—	—	C	Limited	2	100
LINDEN	PSEG	—	—	C	Limited	0	—
MARION	PSEG	—	—	C	Limited	2	32
MARION DRIVE	PSEG	—	—	D	Minimal	0	—
MAYWOOD	PSEG	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MEADOW ROAD	PSEG	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
METUCHEN	PSEG	—	—	C	Limited	1	50
MIDDLESEX	PSEG	—	—	C	Limited	4	126
MINUE STREET	PSEG	—	—	D	Minimal	1	50
NEW DOVER	PSEG	—	—	D	Minimal	0	—
NEW MILFORD	PSEG	—	—	C	Limited	0	—
NEWARK SWITCHING STATION	PSEG	—	—	C	Limited	2	52
NORTH AVENUE	PSEG	—	—	D	Minimal	0	—
NORTH BERGEN	PSEG	—	—	C	Minimal	17	821
PENHORN	PSEG	—	—	C	Minimal	15	712
READ OAK STATION	PSEG	—	—	C	Limited	0	—
ROSELAND	PSEG	—	—	D	Minimal	4	200
SADDLE BROOK	PSEG	—	—	C	Limited	0	—
SAYREVILLE	PSEG	—	—	C	Limited	1	50
SAYREVILLE	PSEG	—	—	C	Limited	0	—
SEWAREN	PSEG	—	—	D	Minimal	1	50
STANLEY TERRACE	PSEG	—	—	D	Minimal	1	50
SUMMIT	PSEG	—	—	D	Minimal	0	—
SUNNYMEADE	PSEG	—	—	C	Limited	1	50
TAP140866	PSEG	—	—	D	Minimal	0	—
TAP140896	PSEG	—	—	D	Minimal	1	70
TAP140897	PSEG	—	—	C	Limited	0	—
TAP140898	PSEG	—	—	C	Limited	0	—
TAP162555	PSEG	—	—	C	Limited	2	52
TAP167289	PSEG	—	—	D	Minimal	1	50
TRAYNOR	PSEG	—	—	D	Minimal	0	—
TURNPIKE	PSEG	—	—	C	Limited	0	—
WALDWICK	PSEG	—	—	C	Limited	0	—
WEST CALDWELL	PSEG	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WEST ORANGE	PSEG	—	—	D	Minimal	0	—
WOODBIDGE	PSEG	—	—	D	Minimal	0	—
ADAIRVILLE	UNALLOCA TED	—	—	D	Minimal	0	—
AEP COLBY	UNALLOCA TED	—	—	D	Minimal	0	—
AEP EAST WATERVLIET	UNALLOCA TED	—	—	D	Minimal	0	—
AEP MEDFORD SUBSTATION	UNALLOCA TED	—	—	D	Minimal	0	—
AIRPORT	UNALLOCA TED	—	—	D	Minimal	0	—
ALADDIN	UNALLOCA TED	—	—	C	Limited	0	—
ALAMO	UNALLOCA TED	—	—	D	Minimal	0	—
ALBION	UNALLOCA TED	—	—	C	Limited	0	—
ALLEN	UNALLOCA TED	—	—	C	Limited	0	—
ALMENA	UNALLOCA TED	—	—	C	Limited	0	—
ALTAVISTA	UNALLOCA TED	—	—	D	Minimal	0	—
ALUM RIDGE	UNALLOCA TED	—	—	D	Minimal	0	—
AMO	UNALLOCA TED	—	—	D	Minimal	0	—
AMOS	UNALLOCA TED	—	—	D	Minimal	0	—
AMPOR	UNALLOCA TED	—	—	C	Limited	0	—
AMSTERDAM	UNALLOCA TED	—	—	D	Minimal	0	—
ANCHOR HOCKING	UNALLOCA TED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ANDERSON	UNALLOCATED	—	—	D	Minimal	0	—
ANDERSON WEBSTER STREET	UNALLOCATED	—	—	C	Limited	0	—
ANGEL MOUNDS	UNALLOCATED	—	—	D	Minimal	0	—
ANGOLA	UNALLOCATED	—	—	D	Minimal	0	—
ANTIETAM	UNALLOCATED	—	—	C	Limited	0	—
ANTIOCH	UNALLOCATED	—	—	D	Minimal	14	606
APACHE	UNALLOCATED	—	—	C	Limited	0	—
ARGENTA	UNALLOCATED	—	—	D	Minimal	0	—
ARNOLD	UNALLOCATED	—	—	D	Minimal	0	—
ASHBOTTOM	UNALLOCATED	—	—	D	Minimal	0	—
ASHBY	UNALLOCATED	—	—	D	Minimal	0	—
ASHLEY	UNALLOCATED	—	—	D	Minimal	0	—
AVERY	UNALLOCATED	—	—	A	Moderate	0	—
AXTEL	UNALLOCATED	—	—	A	Moderate	0	—
AXTON	UNALLOCATED	—	—	D	Minimal	0	—
BABCOCK	UNALLOCATED	—	—	D	Minimal	0	—
BAILEYSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
BAKER	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BALCONY FALLS	UNALLOCATED	—	—	D	Minimal	0	—
BALDWIN STATION	UNALLOCATED	—	—	D	Minimal	0	—
BANISTER	UNALLOCATED	—	—	D	Minimal	1	50
BANNER	UNALLOCATED	—	—	D	Minimal	0	—
BARKLEY	UNALLOCATED	—	—	C	Limited	0	—
BARRENSH	UNALLOCATED	—	—	D	Minimal	0	—
BASS	UNALLOCATED	—	—	C	Limited	0	—
BATAVIA	UNALLOCATED	—	—	C	Limited	0	—
BATESVILLE	UNALLOCATED	—	—	D	Minimal	0	—
BATH COUNTY	UNALLOCATED	—	—	D	Minimal	0	—
BATTERY HEIGHTS DP	UNALLOCATED	—	—	C	Limited	0	—
BATTLE CREEK	UNALLOCATED	—	—	D	Minimal	0	—
BEANBLOSSOM-SW STA	UNALLOCATED	—	—	D	Minimal	0	—
BEARGRASS	UNALLOCATED	—	—	C	Limited	0	—
BEARSKIN	UNALLOCATED	—	—	C	Limited	0	—
BEARWALLOW	UNALLOCATED	—	—	D	Minimal	0	—
BEAVER BROOK	UNALLOCATED	—	—	D	Minimal	0	—
BEAVER CREEK	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BECKHAM	UNALLOCATED	—	—	C	Limited	0	—
BEDFORD (138KV)	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BEDFORD (345KV)	UNALLOCATED	—	—	D	Minimal	0	—
BEDINGTON	UNALLOCATED	—	—	D	Minimal	0	—
BELLEFONTE	UNALLOCATED	—	—	C	Minimal	1	2,000
BELLEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
BELMONT	UNALLOCATED	—	—	D	Minimal	0	—
BENTON	UNALLOCATED	—	—	D	Minimal	0	—
BENTON CORNER	UNALLOCATED	—	—	D	Minimal	0	—
BENTON HARBOR	UNALLOCATED	—	—	D	Minimal	0	—
BENWOOD	UNALLOCATED	—	—	C	Moderate	0	—
BETHELBORO	UNALLOCATED	—	—	C	Limited	0	—
BETHLEHEM	UNALLOCATED	—	—	D	Minimal	0	—
BETSY LAYNE	UNALLOCATED	—	—	D	Minimal	0	—
BEURY MOUNTAIN	UNALLOCATED	—	—	C	Limited	0	—
BIG SANDY	UNALLOCATED	—	—	D	Minimal	0	—
BL ENGLAND STATION	UNALLOCATED	—	—	D	Minimal	0	—
BLACK OAK	UNALLOCATED	—	—	C	Limited	0	—
BLACK RIVER	UNALLOCATED	—	—	D	Minimal	0	—
BLAND	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BLOOMFIELD	UNALLOCATED	—	—	C	Limited	0	—
BLOOMFIELD	UNALLOCATED	—	—	D	Minimal	0	—
BLOOMING GROVE	UNALLOCATED	—	—	D	Minimal	0	—
BLOOMINGTON (230KV)	UNALLOCATED	—	—	D	Minimal	0	—
BLOOMINGTON ROCKPORT	UNALLOCATED	—	—	D	Minimal	0	—
BLOOMINGTON ROGERS ST	UNALLOCATED	—	—	D	Minimal	0	—
BLOOMINGTON WHITEHALL PIKE	UNALLOCATED	—	—	D	Minimal	0	—
BLUE MOUND	UNALLOCATED	—	—	C	Limited	0	—
BONSACK	UNALLOCATED	—	—	C	Limited	0	—
BOONSBORO	UNALLOCATED	—	—	D	Minimal	0	—
BORDEN	UNALLOCATED	—	—	D	Minimal	0	—
BOSSERMAN	UNALLOCATED	—	—	D	Minimal	0	—
BOWLING GREEN	UNALLOCATED	—	—	D	Minimal	0	—
BOXWOOD	UNALLOCATED	—	—	C	Limited	0	—
BRACKENS CREEK STATION	UNALLOCATED	—	—	D	Minimal	0	—
BRANDONVILLE	UNALLOCATED	—	—	D	Minimal	0	—
BREED	UNALLOCATED	—	—	D	Minimal	0	—
BRIDGEPORT	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BRISTOW	UNALLOCATED	—	—	D	Minimal	0	—
BROADVIEW	UNALLOCATED	—	—	D	Minimal	0	—
BROOKS	UNALLOCATED	—	—	D	Minimal	0	—
BROOKVILLE	UNALLOCATED	—	—	C	Limited	0	—
BROWN (138 KV)	UNALLOCATED	—	—	D	Minimal	0	—
BROWN (345 KV)	UNALLOCATED	—	—	D	Minimal	0	—
BROWNS RUN	UNALLOCATED	—	—	D	Minimal	0	—
BROWNSTOWN	UNALLOCATED	—	—	D	Minimal	0	—
BRUES	UNALLOCATED	—	—	C	Moderate	0	—
BRUSH TAVERN	UNALLOCATED	—	—	C	Limited	0	—
BUCKHORN	UNALLOCATED	—	—	D	Minimal	0	—
BUENA VISTA	UNALLOCATED	—	—	D	Minimal	0	—
BUFFTON	UNALLOCATED	—	—	D	Minimal	0	—
BULAN	UNALLOCATED	—	—	D	Minimal	0	—
BURLINGTON	UNALLOCATED	—	—	C	Limited	0	—
BURR OAK	UNALLOCATED	—	—	D	Minimal	0	—
BUSSEYVILLE	UNALLOCATED	—	—	D	Minimal	0	—
BUSTLETON	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BUTLER	UNALLOCATED	—	—	D	Minimal	0	—
BUTLER	UNALLOCATED	—	—	D	Minimal	0	—
BUTLER CENTER	UNALLOCATED	—	—	C	Limited	0	—
C-33 (DOE)	UNALLOCATED	—	—	C	Limited	0	—
C-35 (DOE)	UNALLOCATED	—	—	C	Limited	0	—
CABOT	UNALLOCATED	—	—	D	Minimal	0	—
CAHOKIA	UNALLOCATED	—	—	D	Minimal	0	—
CALVERT	UNALLOCATED	—	—	C	Limited	0	—
CALVERT	UNALLOCATED	—	—	C	Limited	0	—
CAMDEN	UNALLOCATED	—	—	D	Minimal	0	—
CAMPBELL	UNALLOCATED	—	—	D	Minimal	0	—
CAMPGROUND	UNALLOCATED	—	—	D	Minimal	0	—
CANAL ROAD	UNALLOCATED	—	—	C	Limited	0	—
CANDLERS MOUNTAIN	UNALLOCATED	—	—	D	Minimal	0	—
CANE RUN	UNALLOCATED	—	—	D	Minimal	0	—
CANE RUN SWITCHING	UNALLOCATED	—	—	C	Limited	0	—
CANNON BRANCH	UNALLOCATED	—	—	C	Minimal	6	1,024
CANNONSBURG	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CARBON CENTER	UNALLOCA TED	—	—	D	Minimal	0	—
CARBONDALE	UNALLOCA TED	—	—	D	Minimal	0	—
CARBONDALE NW	UNALLOCA TED	—	—	D	Minimal	0	—
CARDIFF	UNALLOCA TED	—	—	C	Limited	0	—
CARMEL 146TH ST	UNALLOCA TED	—	—	D	Minimal	0	—
CARMEL ROHRER	UNALLOCA TED	—	—	D	Minimal	1	4
CARNTOWN	UNALLOCA TED	—	—	D	Minimal	0	—
CARROLLTON	UNALLOCA TED	—	—	C	Limited	0	—
CARROLLTON	UNALLOCA TED	—	—	D	Minimal	0	—
CARSWELL	UNALLOCA TED	—	—	D	Minimal	0	—
CASEY WEST	UNALLOCA TED	—	—	D	Minimal	0	—
CASKY	UNALLOCA TED	—	—	D	Minimal	0	—
CATO	UNALLOCA TED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CATOCTIN	UNALLOCATED	—	—	D	Minimal	0	—
CEDAR CREEK	UNALLOCATED	—	—	D	Minimal	0	—
CELANESE	UNALLOCATED	—	—	D	Minimal	0	—
CENTER	UNALLOCATED	—	—	C	Limited	1	50
CENTERTON	UNALLOCATED	—	—	D	Minimal	0	—
CENTERVILLE	UNALLOCATED	—	—	D	Minimal	0	—
CENTRAL	UNALLOCATED	—	—	D	Minimal	0	—
CENTRAL HARDIN	UNALLOCATED	—	—	C	Limited	0	—
CENTRALIA	UNALLOCATED	—	—	D	Minimal	0	—
CHADWICK	UNALLOCATED	—	—	C	Limited	0	—
CHAMBERS	UNALLOCATED	—	—	C	Limited	0	—
CHARLEROI	UNALLOCATED	—	—	D	Minimal	0	—
CHARLOTTESVILLE	UNALLOCATED	—	—	D	Minimal	1	400
CHATHAM	UNALLOCATED	—	—	D	Minimal	0	—
CHAUNCEY	UNALLOCATED	—	—	D	Minimal	0	—
CHAUNCEY TAP	UNALLOCATED	—	—	C	Limited	0	—
CHERRY RUN	UNALLOCATED	—	—	D	Minimal	0	—
CHICKAHOMINY	UNALLOCATED	—	—	C	Minimal	1	800

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CHURCHTOWN	UNALLOCATED	—	—	C	Limited	0	—
CINDER	UNALLOCATED	—	—	C	Limited	0	—
CINNAMINSON	UNALLOCATED	—	—	D	Minimal	0	—
CITY OF BRYAN	UNALLOCATED	—	—	D	Minimal	0	—
CLARKSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
CLAY	UNALLOCATED	—	—	C	Limited	1	3
CLAY CITY	UNALLOCATED	—	—	D	Minimal	0	—
CLAYPOOL HILL	UNALLOCATED	—	—	D	Minimal	0	—
CLIFFORD	UNALLOCATED	—	—	C	Limited	0	—
CLIFTON FORGE	UNALLOCATED	—	—	C	Limited	0	—
CLIFTY CREEK	UNALLOCATED	—	—	D	Minimal	0	—
CLINCH RIVER	UNALLOCATED	—	—	D	Minimal	0	—
CLINCHFIELD	UNALLOCATED	—	—	D	Minimal	0	—
CLINTON	UNALLOCATED	—	—	D	Minimal	0	—
CLOVERDALE	UNALLOCATED	—	—	D	Minimal	0	—
CLOVERDALE 765KV	UNALLOCATED	—	—	C	Limited	0	—
CLOVERDALE EAST	UNALLOCATED	—	—	C	Limited	0	—
CLOVERPORT	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
COAL CREEK	UNALLOCATED	—	—	D	Minimal	0	—
COALTON	UNALLOCATED	—	—	C	Limited	0	—
COALWOOD	UNALLOCATED	—	—	D	Minimal	0	—
COFFEEN	UNALLOCATED	—	—	D	Minimal	1	1,000
COFFEEN N	UNALLOCATED	—	—	D	Minimal	1	1,000
COLDWATER	UNALLOCATED	—	—	D	Minimal	0	—
COLEMAN	UNALLOCATED	—	—	D	Minimal	0	—
COLEMAN ROAD	UNALLOCATED	—	—	D	Minimal	0	—
COLLEGE CORNER	UNALLOCATED	—	—	D	Minimal	0	—
COLLINS FERRY	UNALLOCATED	—	—	D	Minimal	0	—
COLUMBUS (345KV)	UNALLOCATED	—	—	D	Minimal	3	150
COLUMBUS DENOIS CREEK	UNALLOCATED	—	—	D	Minimal	3	150
COMMERCE PARK	UNALLOCATED	—	—	D	Minimal	0	—
CONCORD	UNALLOCATED	—	—	D	Minimal	0	—
CONEMAUGH	UNALLOCATED	—	—	D	Minimal	0	—
CONNELLSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
CONSOLIDATED COAL	UNALLOCATED	—	—	C	Limited	0	—
COOK	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
COOK	UNALLOCATED	—	—	D	Minimal	0	—
COREY	UNALLOCATED	—	—	D	Minimal	0	—
CORSON STATION	UNALLOCATED	—	—	D	Minimal	0	—
CORYDON	UNALLOCATED	—	—	D	Minimal	0	—
COTTAGEVILLE	UNALLOCATED	—	—	C	Limited	0	—
COUNTY LINE (WP)	UNALLOCATED	—	—	D	Minimal	0	—
COVINGTON	UNALLOCATED	—	—	D	Minimal	0	—
CRAB ORCHARD	UNALLOCATED	—	—	D	Minimal	0	—
CRANBERRY	UNALLOCATED	—	—	D	Minimal	0	—
CRANBERRY	UNALLOCATED	—	—	D	Minimal	0	—
CRESTWOOD	UNALLOCATED	—	—	C	Limited	0	—
CROSS STREET	UNALLOCATED	—	—	C	Limited	0	—
CUSHAW	UNALLOCATED	—	—	D	Minimal	0	—
DAN RIVER	UNALLOCATED	—	—	D	Minimal	0	—
DANVILLE	UNALLOCATED	—	—	D	Minimal	0	—
DAVISS COUNTY	UNALLOCATED	—	—	D	Minimal	0	—
DAVIS-BESSE	UNALLOCATED	—	—	A	Moderate	0	—
DEADEND167129	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND167130	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167132	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167139	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167140	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167156	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167169	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167170	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167172	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167173	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167174	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167175	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167176	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167177	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND167178	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167183	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167185	UNALLOCATED	—	—	C	Limited	1	150
DEADEND167186	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167187	UNALLOCATED	—	—	C	Limited	0	—
DEADEND167189	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167190	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167191	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167192	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167207	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167212	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167213	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167214	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167215	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167384	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167394	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND167399	UNALLOCATED	—	—	C	Limited	0	—
DEADEND169209	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND169223	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND169275	UNALLOCATED	—	—	C	Limited	0	—
DEADEND169286	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND169298	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND169302	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND171707	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND171972	UNALLOCATED	—	—	D	Minimal	0	—
DEADEND172593	UNALLOCATED	—	—	D	Minimal	0	—
DEBOIS	UNALLOCATED	—	—	D	Minimal	0	—
DECANT	UNALLOCATED	—	—	A	Moderate	0	—
DEEDSVILLE 345KV	UNALLOCATED	—	—	D	Minimal	0	—
DEEPWATER	UNALLOCATED	—	—	D	Minimal	0	—
DEER CREEK	UNALLOCATED	—	—	D	Minimal	0	—
DELAWARE	UNALLOCATED	—	—	D	Minimal	0	—
DELHI	UNALLOCATED	—	—	D	Minimal	0	—
DENNIS STATION	UNALLOCATED	—	—	D	Minimal	0	—
DEPTFORD	UNALLOCATED	—	—	C	Limited	0	—
DEQUINE	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DESOTO	UNALLOCATED	—	—	D	Minimal	0	—
DETROIT EDISON KING ROAD	UNALLOCATED	—	—	D	Minimal	0	—
DEVON	UNALLOCATED	—	—	C	Limited	0	—
DEWEY	UNALLOCATED	—	—	D	Minimal	0	—
DICKENS	UNALLOCATED	—	—	D	Minimal	0	—
DISMAL RIVER	UNALLOCATED	—	—	D	Minimal	0	—
DONEGAL	UNALLOCATED	—	—	D	Minimal	0	—
DOOVILLE	UNALLOCATED	—	—	D	Minimal	0	—
DORCHESTER	UNALLOCATED	—	—	D	Minimal	0	—
DORTON	UNALLOCATED	—	—	D	Minimal	0	—
DOUBS	UNALLOCATED	—	—	C	Minimal	1	72
DOW	UNALLOCATED	—	—	C	Limited	0	—
DUFF	UNALLOCATED	—	—	D	Minimal	0	—
DUKE SPRINGBORO	UNALLOCATED	—	—	D	Minimal	0	—
DUMONT	UNALLOCATED	—	—	D	Minimal	12	2,350
DUNE ACRES	UNALLOCATED	—	—	D	Minimal	0	—
DUNLAP	UNALLOCATED	—	—	D	Minimal	0	—
DUNMOR	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DUPONT WAYNESBORO	UNALLOCATED	—	—	D	Minimal	0	—
E BELLEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
E. WHITLEY	UNALLOCATED	—	—	D	Minimal	0	—
EAGLE POINT	UNALLOCATED	—	—	C	Limited	1	50
EARLEYS	UNALLOCATED	—	—	D	Minimal	0	—
EAST BOWLING GREEN	UNALLOCATED	—	—	D	Minimal	0	—
EAST CALVERT	UNALLOCATED	—	—	C	Limited	0	—
EAST DANVILLE	UNALLOCATED	—	—	D	Minimal	0	—
EAST GALESBURG	UNALLOCATED	—	—	D	Minimal	0	—
EAST HAGERSTOWN	UNALLOCATED	—	—	D	Minimal	0	—
EAST KEWANEE	UNALLOCATED	—	—	D	Minimal	0	—
EAST MURRAY	UNALLOCATED	—	—	D	Minimal	0	—
EAST QUINCY	UNALLOCATED	—	—	D	Minimal	0	—
EAST SIDE	UNALLOCATED	—	—	C	Limited	0	—
EAST SIDNEY	UNALLOCATED	—	—	D	Minimal	0	—
EAST TERRA HAUTE	UNALLOCATED	—	—	C	Limited	0	—
EAST WINDSOR	UNALLOCATED	—	—	D	Minimal	1	70
EAST WOOSTER	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
EASTLAND DIST.	UNALLOCATED	—	—	C	Limited	0	—
EDISON	UNALLOCATED	—	—	D	Minimal	0	—
EDWARDSPORT STATION (138 KV)	UNALLOCATED	—	—	D	Minimal	0	—
EDWARDSPORT STATION (69 KV)	UNALLOCATED	—	—	D	Minimal	0	—
EDWARDSPORT STATION IGCC	UNALLOCATED	—	—	D	Minimal	0	—
EGE	UNALLOCATED	—	—	D	Minimal	0	—
ELBERFELD SOUTH	UNALLOCATED	—	—	D	Minimal	0	—
ELECTRICAL	UNALLOCATED	—	—	D	Minimal	0	—
ELK GARDEN	UNALLOCATED	—	—	C	Limited	0	—
ELKHORN CITY	UNALLOCATED	—	—	D	Minimal	0	—
ELKO	UNALLOCATED	—	—	D	Minimal	0	—
ELKTON	UNALLOCATED	—	—	D	Minimal	0	—
ELLETTSVILLE	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ELWOOD	UNALLOCATED	—	—	D	Minimal	0	—
ENO	UNALLOCATED	—	—	D	Minimal	1	90
EVINGTON	UNALLOCATED	—	—	D	Minimal	0	—
FAIRFIELD	UNALLOCATED	—	—	D	Minimal	0	—
FAIRLAND	UNALLOCATED	—	—	D	Minimal	0	—
FAIRLAWN	UNALLOCATED	—	—	C	Limited	0	—
FALL CREEK	UNALLOCATED	—	—	D	Minimal	0	—
FARADAY	UNALLOCATED	—	—	D	Minimal	0	—
FARMERS VALLEY	UNALLOCATED	—	—	D	Minimal	0	—
FARNSLEY	UNALLOCATED	—	—	C	Limited	0	—
FEAGAN'S MILL	UNALLOCATED	—	—	C	Limited	0	—
FERN VALLEY	UNALLOCATED	—	—	D	Minimal	0	—
FIELDALE	UNALLOCATED	—	—	D	Minimal	0	—
FISHTRAP	UNALLOCATED	—	—	D	Minimal	0	—
FITZ	UNALLOCATED	—	—	D	Minimal	0	—
FLETCHERS RIDGE	UNALLOCATED	—	—	D	Minimal	0	—
FLORA EAST	UNALLOCATED	—	—	D	Minimal	0	—
FLOWERFIELD	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
FLOYD	UNALLOCATED	—	—	D	Minimal	0	—
FLOYDS KNOBS	UNALLOCATED	—	—	D	Minimal	0	—
FORD	UNALLOCATED	—	—	A	Moderate	0	—
FOREST	UNALLOCATED	—	—	C	Limited	0	—
FOREST	UNALLOCATED	—	—	C	Limited	0	—
FORT MARTIN	UNALLOCATED	—	—	D	Minimal	0	—
FOSTORIA	UNALLOCATED	—	—	D	Minimal	0	—
FOSTORIA CENTRAL SUBSTATION	UNALLOCATED	—	—	D	Minimal	0	—
FRANCISCO	UNALLOCATED	—	—	D	Minimal	0	—
FRANK E RATTS STATION	UNALLOCATED	—	—	C	Limited	0	—
FRANKFORT	UNALLOCATED	—	—	C	Limited	0	—
FRANKLIN	UNALLOCATED	—	—	D	Minimal	0	—
FRANKLIN	UNALLOCATED	—	—	D	Minimal	0	—
FREDERICK	UNALLOCATED	—	—	C	Limited	0	—
FREDERICKSBURG	UNALLOCATED	—	—	C	Limited	0	—
FREEMAN	UNALLOCATED	—	—	D	Minimal	0	—
FREEMONT	UNALLOCATED	—	—	C	Limited	0	—
FREY	UNALLOCATED	—	—	A	Moderate	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
FRIES	UNALLOCATED	—	—	D	Minimal	0	—
FROSTBURG #1	UNALLOCATED	—	—	D	Minimal	0	—
FRUITHILL	UNALLOCATED	—	—	D	Minimal	0	—
FUDGE HOLLOW	UNALLOCATED	—	—	D	Minimal	0	—
GAINES	UNALLOCATED	—	—	D	Minimal	0	—
GALESBURG MONMOUTH BOULEVARD	UNALLOCATED	—	—	D	Minimal	0	—
GALLATIN	UNALLOCATED	—	—	D	Minimal	0	—
GARDEN CREEK	UNALLOCATED	—	—	D	Minimal	0	—
GARVIN	UNALLOCATED	—	—	C	Limited	0	—
GAULEY MOUNTAIN	UNALLOCATED	—	—	D	Minimal	0	—
GEORGE WASHINGTON	UNALLOCATED	—	—	C	Moderate	0	—
GEORGETOWN	UNALLOCATED	—	—	C	Limited	0	—
GERMAN	UNALLOCATED	—	—	C	Limited	0	—
GHENT STATION	UNALLOCATED	—	—	D	Minimal	0	—
GIBSON STATION	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:IL:230kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:IL:345kv	UNALLOCATED	—	—	C	Limited	0	—
GIS-SUB-sci:IN:138kv	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GIS-SUB-sci:IN:230kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:IN:345kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:IN:69kv	UNALLOCATED	—	—	C	Limited	0	—
GIS-SUB-sci:KY:345kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:MI:230kv	UNALLOCATED	—	—	C	Limited	0	—
GIS-SUB-sci:MI:345kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:OH:345kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:PA:345kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:PA:500kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:VA:230kv	UNALLOCATED	—	—	D	Minimal	1	400
GIS-SUB-sci:WV:500kv	UNALLOCATED	—	—	D	Minimal	0	—
GIS-SUB-sci:WV:765kv	UNALLOCATED	—	—	D	Minimal	0	—
GLADE	UNALLOCATED	—	—	D	Minimal	0	—
GLASGOW	UNALLOCATED	—	—	D	Minimal	0	—
GLASGOW	UNALLOCATED	—	—	D	Minimal	0	—
GLASLOW	UNALLOCATED	—	—	D	Minimal	0	—
GLEN LYN	UNALLOCATED	—	—	C	Limited	0	—
GLENDALE HEIGHTS	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GLENS VALLEY	UNALLOCA TED	—	—	C	Limited	0	—
GLOUCESTER SWITCHING STATION	UNALLOCA TED	—	—	D	Minimal	0	—
GOBAIN	UNALLOCA TED	—	—	D	Minimal	0	—
GOLO	UNALLOCA TED	—	—	D	Minimal	0	—
GOMINGO	UNALLOCA TED	—	—	D	Minimal	0	—
GOOSE CREEK	UNALLOCA TED	—	—	D	Minimal	0	—
GOSHEN	UNALLOCA TED	—	—	D	Minimal	0	—
GOSS	UNALLOCA TED	—	—	D	Minimal	0	—
GRABILL	UNALLOCA TED	—	—	D	Minimal	0	—
GRADE LANE	UNALLOCA TED	—	—	D	Minimal	0	—
GRAHAMVILLE	UNALLOCA TED	—	—	C	Limited	0	—
GRAND TOWER	UNALLOCA TED	—	—	D	Minimal	0	—
GRANT	UNALLOCA TED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GRAVES MILL	UNALLOCATED	—	—	C	Limited	0	—
GREENLAND GAP	UNALLOCATED	—	—	D	Minimal	0	—
GREENLY	UNALLOCATED	—	—	D	Minimal	0	—
GREENSBORO	UNALLOCATED	—	—	D	Minimal	0	—
GREENTOWN	UNALLOCATED	—	—	D	Minimal	0	—
GREENTOWN	UNALLOCATED	—	—	D	Minimal	0	—
GREENVILLE	UNALLOCATED	—	—	D	Minimal	0	—
GREENWOOD	UNALLOCATED	—	—	C	Limited	0	—
GROVER	UNALLOCATED	—	—	D	Minimal	0	—
GRUNDY	UNALLOCATED	—	—	D	Minimal	0	—
GUARDIAN	UNALLOCATED	—	—	D	Minimal	0	—
GUION	UNALLOCATED	—	—	C	Limited	0	—
GUYANDOTTE	UNALLOCATED	—	—	D	Minimal	0	—
GWYNNEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HAGAN	UNALLOCATED	—	—	D	Minimal	0	—
HALES BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
HAMLIN	UNALLOCATED	—	—	C	Limited	0	—
HANCOCK	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HANDSOME LAKE	UNALLOCATED	—	—	D	Minimal	0	—
HANNA	UNALLOCATED	—	—	C	Limited	0	—
HANSONVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HARBERT	UNALLOCATED	—	—	D	Minimal	0	—
HARDIN	UNALLOCATED	—	—	D	Minimal	0	—
HARDIN	UNALLOCATED	—	—	C	Limited	0	—
HARPER	UNALLOCATED	—	—	C	Limited	0	—
HARRISON	UNALLOCATED	—	—	D	Minimal	0	—
HARTFORD	UNALLOCATED	—	—	D	Minimal	0	—
HASSEN CASSEL	UNALLOCATED	—	—	D	Minimal	0	—
HATFIELD	UNALLOCATED	—	—	D	Minimal	0	—
HATFIELD (KP)	UNALLOCATED	—	—	D	Minimal	0	—
HAVANA	UNALLOCATED	—	—	D	Minimal	0	—
HAVANA S	UNALLOCATED	—	—	D	Minimal	0	—
HAVILAND	UNALLOCATED	—	—	C	Minimal	1	500
HAYSI	UNALLOCATED	—	—	C	Limited	0	—
HAZARD	UNALLOCATED	—	—	C	Limited	0	—
HE RAMSEY	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HEIDELBACH	UNALLOCATED	—	—	C	Limited	0	—
HENRYVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HERLEMAN	UNALLOCATED	—	—	D	Minimal	0	—
HERRIN	UNALLOCATED	—	—	D	Minimal	0	—
HEWITT ROAD SWITCHING STATION	UNALLOCATED	—	—	D	Minimal	0	—
HIGH POINT	UNALLOCATED	—	—	C	Limited	0	—
HILL	UNALLOCATED	—	—	D	Minimal	0	—
HILLCREST	UNALLOCATED	—	—	C	Limited	0	—
HILLSDALE	UNALLOCATED	—	—	D	Minimal	0	—
HINTON (AP)	UNALLOCATED	—	—	D	Minimal	0	—
HIPLE	UNALLOCATED	—	—	D	Minimal	0	—
HIRSCH ROAD	UNALLOCATED	—	—	D	Minimal	0	—
HOMER CITY	UNALLOCATED	—	—	D	Minimal	1	50
HOOKDALE	UNALLOCATED	—	—	D	Minimal	0	—
HOOSIER FAIRVIEW	UNALLOCATED	—	—	D	Minimal	0	—
HOOVERSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HOPE CREEK	UNALLOCATED	—	—	D	Minimal	0	—
HOPKINS	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HOPKINSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HOPSON	UNALLOCATED	—	—	D	Minimal	0	—
HORTONVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HOUSEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
HUBBELL	UNALLOCATED	—	—	D	Minimal	0	—
HUFFMAN	UNALLOCATED	—	—	D	Minimal	0	—
HUNTERTOWN	UNALLOCATED	—	—	D	Minimal	0	—
HUNTINGTON JUNCTION	UNALLOCATED	—	—	D	Minimal	0	—
HURLEY	UNALLOCATED	—	—	D	Minimal	0	—
HURRICANE	UNALLOCATED	—	—	D	Minimal	0	—
HUSBAND ROAD	UNALLOCATED	—	—	C	Limited	0	—
HUTSONVILLE	UNALLOCATED	—	—	D	Minimal	0	—
ILLINOIS ROAD	UNALLOCATED	—	—	D	Minimal	0	—
IMBODEN	UNALLOCATED	—	—	D	Minimal	0	—
INA	UNALLOCATED	—	—	D	Minimal	0	—
INDUSTRIAL PARK	UNALLOCATED	—	—	C	Limited	0	—
INEZ	UNALLOCATED	—	—	C	Limited	0	—
INGLES ST	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
IRON BRIDGE	UNALLOCATED	—	—	D	Minimal	0	—
ISLAND ROAD	UNALLOCATED	—	—	D	Minimal	0	—
ITMANN	UNALLOCATED	—	—	D	Minimal	0	—
IVY HILL	UNALLOCATED	—	—	C	Limited	0	—
JACKSON	UNALLOCATED	—	—	D	Minimal	0	—
JACKSON ROAD	UNALLOCATED	—	—	C	Minimal	0	—
JAMES STREET	UNALLOCATED	—	—	D	Minimal	0	—
JASON	UNALLOCATED	—	—	D	Minimal	0	—
JEFFERSON	UNALLOCATED	—	—	D	Minimal	0	—
JEFFERSON STREET	UNALLOCATED	—	—	D	Minimal	0	—
JEFFERSONVILLE KENTUCKY AVENUE	UNALLOCATED	—	—	C	Limited	0	—
JEWELL BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
JEWELL RIDGE	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
JEWELL SMOKELESS C AND C COAL CO	UNALLOCATED	—	—	D	Minimal	0	—
JIM BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
JOHN AMOS	UNALLOCATED	—	—	D	Minimal	0	—
JOHNS CREEK	UNALLOCATED	—	—	C	Limited	0	—
JONES CREEK	UNALLOCATED	—	—	D	Minimal	0	—
JOPPA	UNALLOCATED	—	—	D	Minimal	0	—
JOPPA 345	UNALLOCATED	—	—	D	Minimal	0	—
JOPPA STATION	UNALLOCATED	—	—	D	Minimal	0	—
JOSHUA FALLS	UNALLOCATED	—	—	D	Minimal	0	—
JOSHUA FALLS	UNALLOCATED	—	—	C	Limited	0	—
KALAMAZOO	UNALLOCATED	—	—	D	Minimal	0	—
KAMMER (138KV)	UNALLOCATED	—	—	D	Minimal	0	—
KAMMER (765KV)	UNALLOCATED	—	—	D	Minimal	0	—
KANSAS WEST	UNALLOCATED	—	—	D	Minimal	0	—
KEAN MTN AND GRASSY CREEK	UNALLOCATED	—	—	D	Minimal	0	—
KEARNEYVILLE	UNALLOCATED	—	—	C	Limited	1	50
KEISTER	UNALLOCATED	—	—	D	Minimal	1	50
KELLERVILLE	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
KENDALLVILLE	UNALLOCATED	—	—	D	Minimal	0	—
KENTUCKY DAM	UNALLOCATED	—	—	C	Limited	0	—
KENWOOD	UNALLOCATED	—	—	D	Minimal	0	—
KENZIE CREEK	UNALLOCATED	—	—	D	Minimal	0	—
KENZIG	UNALLOCATED	—	—	D	Minimal	0	—
KEYSTONE	UNALLOCATED	—	—	D	Minimal	0	—
KILLEN	UNALLOCATED	—	—	D	Minimal	0	—
KIMPER	UNALLOCATED	—	—	C	Limited	0	—
KING'S MILL	UNALLOCATED	—	—	D	Minimal	0	—
KNOTTY POPLAR	UNALLOCATED	—	—	D	Minimal	0	—
KNOX	UNALLOCATED	—	—	A	Moderate	0	—
KNOX COAL CREEK	UNALLOCATED	—	—	D	Minimal	0	—
KOKOMO HIGHLAND PARK	UNALLOCATED	—	—	D	Minimal	0	—
KOKOMO WEBSTER STREET	UNALLOCATED	—	—	D	Minimal	0	—
KOPPERSTON	UNALLOCATED	—	—	D	Minimal	0	—
KUSER ROAD	UNALLOCATED	—	—	D	Minimal	0	—
LAFAYETTE CONCORD ROAD	UNALLOCATED	—	—	D	Minimal	0	—
LAFAYETTE 230	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LAFAYETTE CATEPILLAR	UNALLOCATED	—	—	D	Minimal	0	—
LAFAYETTE SHADELAND	UNALLOCATED	—	—	D	Minimal	0	—
LAGRANGE	UNALLOCATED	—	—	D	Minimal	0	—
LAKE FOREST	UNALLOCATED	—	—	D	Minimal	0	—
LAKEVIEW	UNALLOCATED	—	—	A	Moderate	0	—
LAKIN	UNALLOCATED	—	—	C	Minimal	1	1,350
LANDIS STATION	UNALLOCATED	—	—	C	Limited	3	150
LAOTTO	UNALLOCATED	—	—	D	Minimal	0	—
LAPORTE JUNCTION	UNALLOCATED	—	—	D	Minimal	0	—
LAWRENCE	UNALLOCATED	—	—	D	Minimal	0	—
LAWRENCE SW	UNALLOCATED	—	—	D	Minimal	0	—
LAWRENCEVILLE SOUTH	UNALLOCATED	—	—	D	Minimal	0	—
LAYLAND	UNALLOCATED	—	—	D	Minimal	0	—
LEBANON	UNALLOCATED	—	—	C	Limited	0	—
LEESBURG	UNALLOCATED	—	—	D	Minimal	0	—
LEFT FORK	UNALLOCATED	—	—	D	Minimal	0	—
LEMOYNE	UNALLOCATED	—	—	D	Minimal	0	—
LESLIE	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LESLIE METERING	UNALLOCATED	—	—	D	Minimal	0	—
LEVITTOWN	UNALLOCATED	—	—	C	Limited	0	—
LEWIS	UNALLOCATED	—	—	D	Minimal	0	—
LEWIS RUN	UNALLOCATED	—	—	D	Minimal	0	—
LEWISBURG	UNALLOCATED	—	—	D	Minimal	0	—
LEWISTOWN	UNALLOCATED	—	—	D	Minimal	0	—
LEXINGTON	UNALLOCATED	—	—	C	Limited	0	—
LG&E; CANAL	UNALLOCATED	—	—	D	Minimal	0	—
LIGHTFOOT	UNALLOCATED	—	—	D	Minimal	0	—
LIGONIER	UNALLOCATED	—	—	D	Minimal	0	—
LIME KILN	UNALLOCATED	—	—	C	Limited	0	—
LINCOLN	UNALLOCATED	—	—	C	Limited	0	—
LIONS ROAD	UNALLOCATED	—	—	D	Minimal	0	—
LIQUID CARBONIC	UNALLOCATED	—	—	D	Minimal	0	—
LITTLE UNION	UNALLOCATED	—	—	D	Minimal	0	—
LIVINGSTON COUNTY	UNALLOCATED	—	—	C	Limited	0	—
LOCKHART	UNALLOCATED	—	—	C	Limited	0	—
LOCKS	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LOCKWOOD	UNALLOCATED	—	—	D	Minimal	0	—
LOCKWOOD RD	UNALLOCATED	—	—	D	Minimal	0	—
LOCUST	UNALLOCATED	—	—	C	Limited	0	—
LOGAN	UNALLOCATED	—	—	D	Minimal	0	—
LOGAN	UNALLOCATED	—	—	C	Limited	0	—
LOGAN ALUMINUM	UNALLOCATED	—	—	C	Limited	0	—
LONESOME PINE	UNALLOCATED	—	—	D	Minimal	0	—
LOONEY CREEK	UNALLOCATED	—	—	D	Minimal	0	—
LOST CITY	UNALLOCATED	—	—	D	Minimal	0	—
LOVELY	UNALLOCATED	—	—	C	Limited	0	—
LOWMOOR	UNALLOCATED	—	—	C	Limited	0	—
LUMBERTON	UNALLOCATED	—	—	D	Minimal	0	—
LUXOR	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LYNCH	UNALLOCATED	—	—	D	Minimal	1	50
MACLEAN	UNALLOCATED	—	—	D	Minimal	0	—
MADISON	UNALLOCATED	—	—	C	Limited	0	—
MADISON	UNALLOCATED	—	—	C	Limited	2	53
MAHANS LANE	UNALLOCATED	—	—	D	Minimal	0	—
MAKAHOY	UNALLOCATED	—	—	D	Minimal	0	—
MAKANDA	UNALLOCATED	—	—	D	Minimal	0	—
MALVERN	UNALLOCATED	—	—	D	Minimal	0	—
MANIFOLD	UNALLOCATED	—	—	C	Limited	0	—
MANSLICK	UNALLOCATED	—	—	C	Limited	0	—
MAPLE RIDGE	UNALLOCATED	—	—	C	Limited	0	—
MARBLEHEAD NORTH	UNALLOCATED	—	—	D	Minimal	0	—
MARION	UNALLOCATED	—	—	D	Minimal	1	50
MARION N	UNALLOCATED	—	—	D	Minimal	0	—
MARION S	UNALLOCATED	—	—	D	Minimal	0	—
MARLTON	UNALLOCATED	—	—	D	Minimal	0	—
MARSHALL	UNALLOCATED	—	—	C	Limited	1	150
MARTINSVILLE	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MARTINSVILLE EAST	UNALLOCATED	—	—	D	Minimal	0	—
MARVIN	UNALLOCATED	—	—	D	Minimal	0	—
MARYLAND	UNALLOCATED	—	—	C	Limited	0	—
MASON CITY WEST	UNALLOCATED	—	—	D	Minimal	0	—
MAUCKPORT	UNALLOCATED	—	—	D	Minimal	0	—
MAYFIELD	UNALLOCATED	—	—	D	Minimal	0	—
MAYO	UNALLOCATED	—	—	D	Minimal	0	—
MCCAIN	UNALLOCATED	—	—	C	Limited	0	—
MCCLUNG	UNALLOCATED	—	—	D	Minimal	0	—
MCCONNELLSBURG	UNALLOCATED	—	—	C	Limited	0	—
MCCREARY COUNTY	UNALLOCATED	—	—	D	Minimal	0	—
MCDOWELL	UNALLOCATED	—	—	D	Minimal	0	—
MCINNES	UNALLOCATED	—	—	D	Minimal	0	—
MCKINLEY	UNALLOCATED	—	—	C	Limited	0	—
MCROSS	UNALLOCATED	—	—	D	Minimal	0	—
MEADE COUNTY	UNALLOCATED	—	—	D	Minimal	0	—
MEADOW BRIDGE	UNALLOCATED	—	—	D	Minimal	0	—
MEADOW LAKE	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MEADOWBROOK	UNALLOCATED	—	—	D	Minimal	0	—
MEMPHIS JUNCTION	UNALLOCATED	—	—	D	Minimal	0	—
MERCER	UNALLOCATED	—	—	D	Minimal	0	—
MERCER	UNALLOCATED	—	—	C	Limited	0	—
MERCURY	UNALLOCATED	—	—	C	Limited	0	—
MERIDIAN	UNALLOCATED	—	—	C	Limited	0	—
MEROM STATION	UNALLOCATED	—	—	D	Minimal	0	—
MICHIGAN AVENUE	UNALLOCATED	—	—	D	Minimal	0	—
MICKLETON	UNALLOCATED	—	—	C	Limited	0	—
MIDDLESBORO	UNALLOCATED	—	—	D	Minimal	1	65
MIDDLETOWN	UNALLOCATED	—	—	D	Minimal	1	2
MIDDLETOWN 345 KV	UNALLOCATED	—	—	D	Minimal	0	—
MIDWAY	UNALLOCATED	—	—	D	Minimal	0	—
MILL	UNALLOCATED	—	—	D	Minimal	0	—
MILL CREEK STATION	UNALLOCATED	—	—	D	Minimal	0	—
MILROY	UNALLOCATED	—	—	D	Minimal	0	—
MITCHELL RIVER	UNALLOCATED	—	—	D	Minimal	1	50
MONEL	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MONETA	UNALLOCATED	—	—	C	Limited	0	—
MONOCACY	UNALLOCATED	—	—	C	Limited	0	—
MONROE	UNALLOCATED	—	—	D	Minimal	0	—
MONROE	UNALLOCATED	—	—	D	Minimal	0	—
MONTICELLO	UNALLOCATED	—	—	D	Minimal	0	—
MOOREPARK	UNALLOCATED	—	—	D	Minimal	0	—
MORGAN COUNTY	UNALLOCATED	—	—	D	Minimal	0	—
MORGAN FORK	UNALLOCATED	—	—	D	Minimal	0	—
MORGANTOWN	UNALLOCATED	—	—	D	Minimal	0	—
MORRISON	UNALLOCATED	—	—	D	Minimal	0	—
MOSCOW SOUTH WEST STATION	UNALLOCATED	—	—	D	Minimal	0	—
MOSELEY	UNALLOCATED	—	—	D	Minimal	0	—
MOSS	UNALLOCATED	—	—	C	Limited	0	—
MOUNDSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
MOUNT LAUREL	UNALLOCATED	—	—	D	Minimal	0	—
MOUNT STORM	UNALLOCATED	—	—	C	Limited	0	—
MOUNTAINTAINTER	UNALLOCATED	—	—	C	Limited	0	—
MT AIRY	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MUD FORK	UNALLOCA TED	—	—	D	Minimal	0	—
MUDDY	UNALLOCA TED	—	—	D	Minimal	0	—
MULDOON MILL	UNALLOCA TED	—	—	D	Minimal	0	—
MULLBERRY	UNALLOCA TED	—	—	C	Limited	0	—
MULLENS	UNALLOCA TED	—	—	D	Minimal	0	—
MULLENSVILLE	UNALLOCA TED	—	—	D	Minimal	0	—
MULLIN	UNALLOCA TED	—	—	D	Minimal	0	—
MUNK	UNALLOCA TED	—	—	C	Limited	0	—
MUNSTER	UNALLOCA TED	—	—	C	Limited	0	—
MUNSTER	UNALLOCA TED	—	—	C	Limited	0	—
MURRAY	UNALLOCA TED	—	—	D	Minimal	0	—
NASHVILLE	UNALLOCA TED	—	—	D	Minimal	0	—
NECESSITY	UNALLOCA TED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NEW ALBANY GRANT LINE - HE	UNALLOCATED	—	—	D	Minimal	0	—
NEW BUFFALO	UNALLOCATED	—	—	C	Limited	0	—
NEW CAMP	UNALLOCATED	—	—	D	Minimal	0	—
NEW CARLISLE	UNALLOCATED	—	—	D	Minimal	0	—
NEW CASTLE	UNALLOCATED	—	—	D	Minimal	0	—
NEW DEPARTURE	UNALLOCATED	—	—	C	Limited	1	96
NEW FREEDOM	UNALLOCATED	—	—	C	Limited	0	—
NEW HARDINSBURG	UNALLOCATED	—	—	D	Minimal	0	—
NEW LONDON	UNALLOCATED	—	—	C	Limited	0	—
NEW LONDON	UNALLOCATED	—	—	D	Minimal	0	—
NEW PEKIN	UNALLOCATED	—	—	D	Minimal	0	—
NEW SALISBURY	UNALLOCATED	—	—	D	Minimal	0	—
NEWTON	UNALLOCATED	—	—	D	Minimal	0	—
NEWTON STATION	UNALLOCATED	—	—	D	Minimal	0	—
NIPETOWN	UNALLOCATED	—	—	D	Minimal	0	—
NOBLE	UNALLOCATED	—	—	C	Limited	0	—
NOBLESVILLE	UNALLOCATED	—	—	D	Minimal	0	—
NOBLESVILLE (69KV)	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NORRIS CITY NORTH	UNALLOCATED	—	—	D	Minimal	0	—
NORTH	UNALLOCATED	—	—	D	Minimal	0	—
NORTH ALEXANDRIA	UNALLOCATED	—	—	D	Minimal	0	—
NORTH CLAYTOR	UNALLOCATED	—	—	C	Limited	0	—
NORTH DELPHOS	UNALLOCATED	—	—	D	Minimal	0	—
NORTH FINDLAY	UNALLOCATED	—	—	C	Limited	0	—
NORTH POINT	UNALLOCATED	—	—	D	Minimal	0	—
NORTH STAUNTON	UNALLOCATED	—	—	D	Minimal	0	—
NORTH VERNON	UNALLOCATED	—	—	D	Minimal	0	—
NORTHEAST	UNALLOCATED	—	—	D	Minimal	0	—
NORTHSIDE	UNALLOCATED	—	—	D	Minimal	0	—
NORTHWEST	UNALLOCATED	—	—	C	Limited	0	—
NUCOR	UNALLOCATED	—	—	C	Limited	0	—
OAK GROVE	UNALLOCATED	—	—	D	Minimal	0	—
OHIO OIL	UNALLOCATED	—	—	D	Minimal	0	—
OKAWVILLE	UNALLOCATED	—	—	D	Minimal	0	—
OLIVE	UNALLOCATED	—	—	D	Minimal	0	—
ONEIDA	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
OPEQUON	UNALLOCATED	—	—	C	Limited	1	50
OPOSSUM CREEK	UNALLOCATED	—	—	D	Minimal	0	—
ORCHARD STATION	UNALLOCATED	—	—	D	Minimal	0	—
OSAGE	UNALLOCATED	—	—	C	Limited	0	—
OTTAWA AVENUE	UNALLOCATED	—	—	C	Limited	0	—
OTTER	UNALLOCATED	—	—	D	Minimal	0	—
OTTER	UNALLOCATED	—	—	D	Minimal	0	—
OTTER RIVER	UNALLOCATED	—	—	C	Limited	0	—
PAD FORK	UNALLOCATED	—	—	D	Minimal	0	—
PADDY'S RUN	UNALLOCATED	—	—	D	Minimal	0	—
PADDYS WEST	UNALLOCATED	—	—	D	Minimal	0	—
PALISADES	UNALLOCATED	—	—	A	Moderate	0	—
PAULDING PUTNAM RT. 14	UNALLOCATED	—	—	D	Minimal	0	—
PAX BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
PEAKSVIEW	UNALLOCATED	—	—	D	Minimal	0	—
PEARL PLANT	UNALLOCATED	—	—	D	Minimal	0	—
PEDRICKTOWN	UNALLOCATED	—	—	C	Limited	0	—
PEEBLES	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PENDLETON	UNALLOCATED	—	—	D	Minimal	0	—
PERMAC	UNALLOCATED	—	—	D	Minimal	0	—
PERSON	UNALLOCATED	—	—	D	Minimal	4	200
PERU	UNALLOCATED	—	—	D	Minimal	0	—
PETERS MOUNTAIN	UNALLOCATED	—	—	C	Limited	0	—
PETERSBURG STATION	UNALLOCATED	—	—	C	Limited	0	—
PHILPOTT	UNALLOCATED	—	—	D	Minimal	0	—
PIDGEON	UNALLOCATED	—	—	A	Moderate	0	—
PIGEON CREEK TRANS	UNALLOCATED	—	—	C	Limited	0	—
PINCKNEYVILLE STATION	UNALLOCATED	—	—	D	Minimal	0	—
PINE HILL	UNALLOCATED	—	—	C	Limited	0	—
PINEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
PINEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
PINNACLE CREEK	UNALLOCATED	—	—	D	Minimal	0	—
PIONEER COOP HONDA	UNALLOCATED	—	—	D	Minimal	0	—
PIPERS GAP	UNALLOCATED	—	—	D	Minimal	0	—
PITTSBORO MUNICIPAL	UNALLOCATED	—	—	D	Minimal	0	—
PLAINFIELD SOUTH	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PLEASANT VALLEY	UNALLOCATED	—	—	D	Minimal	0	—
PLEASURE RIDGE	UNALLOCATED	—	—	C	Limited	0	—
PLYMOUTH	UNALLOCATED	—	—	D	Minimal	0	—
POE	UNALLOCATED	—	—	C	Limited	1	50
POKAGON	UNALLOCATED	—	—	D	Minimal	0	—
PORTER RD	UNALLOCATED	—	—	D	Minimal	0	—
POTOMAC RIVER	UNALLOCATED	—	—	D	Minimal	0	—
POTOMAC YARD	UNALLOCATED	—	—	C	Limited	0	—
POWER DELIVERY POINT	UNALLOCATED	—	—	D	Minimal	0	—
PRAIRIE STATE STATION	UNALLOCATED	—	—	C	Limited	0	—
PRICE	UNALLOCATED	—	—	D	Minimal	0	—
PRICE HILL	UNALLOCATED	—	—	C	Limited	0	—
PRINCE WILLIAM DP	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
PRINCESS	UNALLOCATED	—	—	C	Limited	0	—
PRUNTYTOWN	UNALLOCATED	—	—	D	Minimal	0	—
PURDUE NORTHWEST	UNALLOCATED	—	—	D	Minimal	0	—
QUALITECH	UNALLOCATED	—	—	C	Limited	0	—
QUINCEY	UNALLOCATED	—	—	D	Minimal	0	—
QUINCY STREET	UNALLOCATED	—	—	C	Limited	0	—
R.P.MONE	UNALLOCATED	—	—	C	Minimal	0	—
RABER	UNALLOCATED	—	—	C	Limited	0	—
RACCOON CREEK STATION	UNALLOCATED	—	—	D	Minimal	0	—
RAGLAND	UNALLOCATED	—	—	C	Limited	0	—
RARDEN	UNALLOCATED	—	—	D	Minimal	0	—
RAYSTOWN	UNALLOCATED	—	—	C	Limited	0	—
READ STREET	UNALLOCATED	—	—	C	Limited	0	—
RED OAK (AP)	UNALLOCATED	—	—	D	Minimal	0	—
REEDS	UNALLOCATED	—	—	D	Minimal	0	—
REEDSBURG	UNALLOCATED	—	—	D	Minimal	0	—
REID	UNALLOCATED	—	—	D	Minimal	0	—
REID	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
REIDLAND	UNALLOCATED	—	—	C	Limited	0	—
REUSENS	UNALLOCATED	—	—	D	Minimal	0	—
REYNOLDS	UNALLOCATED	—	—	C	Limited	0	—
RICHLANDS	UNALLOCATED	—	—	D	Minimal	0	—
RIDGELEY	UNALLOCATED	—	—	C	Limited	0	—
RIDGEWAY	UNALLOCATED	—	—	C	Minimal	0	—
RINGGOLD	UNALLOCATED	—	—	D	Minimal	0	—
RISER139267	UNALLOCATED	—	—	D	Minimal	0	—
RISER160448	UNALLOCATED	—	—	D	Minimal	0	—
RISER161555	UNALLOCATED	—	—	D	Minimal	0	—
RISER167164	UNALLOCATED	—	—	C	Limited	0	—
RISER167168	UNALLOCATED	—	—	C	Limited	0	—
RISER167199	UNALLOCATED	—	—	C	Limited	0	—
RISER173197	UNALLOCATED	—	—	C	Limited	0	—
RISER173198	UNALLOCATED	—	—	C	Limited	0	—
RIVERSIDE	UNALLOCATED	—	—	D	Minimal	0	—
RIVERSIDE	UNALLOCATED	—	—	C	Limited	0	—
RIVERVILLE	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
ROBINSON MARATHON	UNALLOCATED	—	—	D	Minimal	0	—
ROBISON PARK (138 KV)	UNALLOCATED	—	—	C	Limited	0	—
ROBISON PARK (345 KV)	UNALLOCATED	—	—	C	Limited	0	—
ROCK CREEK	UNALLOCATED	—	—	D	Minimal	0	—
ROCKBRIDGE	UNALLOCATED	—	—	D	Minimal	0	—
ROCKCASTLE	UNALLOCATED	—	—	D	Minimal	0	—
ROCKPORT	UNALLOCATED	—	—	D	Minimal	0	—
ROCKPORT	UNALLOCATED	—	—	D	Minimal	0	—
ROCKPORT STATION	UNALLOCATED	—	—	D	Minimal	0	—
ROCKVILLE	UNALLOCATED	—	—	C	Limited	0	—
RODBURN	UNALLOCATED	—	—	D	Minimal	0	—
RONCEVERTE	UNALLOCATED	—	—	D	Minimal	0	—
RONCO	UNALLOCATED	—	—	D	Minimal	0	—
ROOSEVELT	UNALLOCATED	—	—	D	Minimal	0	—
ROXANA	UNALLOCATED	—	—	C	Limited	0	—
ROXBORO PLANT STATION	UNALLOCATED	—	—	D	Minimal	0	—
ROXFORD	UNALLOCATED	—	—	D	Minimal	0	—
ROYALTON	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
RUM CREEK TAP	UNALLOCATED	—	—	D	Minimal	0	—
RUSSELL	UNALLOCATED	—	—	C	Minimal	1	2,000
RUSSELL FORK	UNALLOCATED	—	—	D	Minimal	0	—
RUSSELLVILLE	UNALLOCATED	—	—	D	Minimal	0	—
RUSSELLVILLE NORTH	UNALLOCATED	—	—	D	Minimal	0	—
RUSTBURG	UNALLOCATED	—	—	C	Limited	0	—
RUTHBELLE	UNALLOCATED	—	—	C	Limited	0	—
S BELLEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
SAMARIA	UNALLOCATED	—	—	D	Minimal	0	—
SAND HILL	UNALLOCATED	—	—	D	Minimal	0	—
SANDBURG	UNALLOCATED	—	—	D	Minimal	0	—
SANDY RIDGE	UNALLOCATED	—	—	D	Minimal	0	—
SATURN	UNALLOCATED	—	—	D	Minimal	0	—
SCARBRO	UNALLOCATED	—	—	D	Minimal	0	—
SCHOOLCRAFT	UNALLOCATED	—	—	D	Minimal	0	—
SCOTT BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
SCOTTSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
SCULL	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SECOND FORK	UNALLOCA TED	—	—	D	Minimal	0	—
SEMINOLE	UNALLOCA TED	—	—	C	Limited	0	—
SENECA	UNALLOCA TED	—	—	D	Minimal	0	—
SEWARD	UNALLOCA TED	—	—	D	Minimal	0	—
SEYMOUR	UNALLOCA TED	—	—	D	Minimal	0	—
SHACK MILLS STATION	UNALLOCA TED	—	—	D	Minimal	0	—
SHAWBORO	UNALLOCA TED	—	—	D	Minimal	0	—
SHAWNEE	UNALLOCA TED	—	—	C	Limited	0	—
SHEFFIELD	UNALLOCA TED	—	—	C	Limited	0	—
SHELBY	UNALLOCA TED	—	—	D	Minimal	0	—
SHENANGO	UNALLOCA TED	—	—	D	Minimal	0	—
SHEPHERDSTOWN	UNALLOCA TED	—	—	D	Minimal	1	50
SHERIDAN	UNALLOCA TED	—	—	D	Minimal	0	—

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Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SHINROCK	UNALLOCATED	—	—	A	Moderate	0	—
SHIVELY	UNALLOCATED	—	—	C	Limited	0	—
SICKLER	UNALLOCATED	—	—	C	Limited	0	—
SIDNEY	UNALLOCATED	—	—	D	Minimal	0	—
SIDNEY	UNALLOCATED	—	—	D	Minimal	1	50
SIDNEY COAL	UNALLOCATED	—	—	D	Minimal	0	—
SILVER LAKE	UNALLOCATED	—	—	C	Limited	0	—
SKAGGS BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
SKIFFES CREEK SWITCHING STATION	UNALLOCATED	—	—	D	Minimal	0	—
SKIMMER	UNALLOCATED	—	—	D	Minimal	0	—
SLAUGHTER	UNALLOCATED	—	—	C	Limited	0	—
SLEEPY HOLLOW	UNALLOCATED	—	—	C	Limited	0	—
SLIGO	UNALLOCATED	—	—	D	Minimal	0	—
SMITH MOUNTAIN	UNALLOCATED	—	—	D	Minimal	0	—
SMUCKERS	UNALLOCATED	—	—	C	Limited	0	—
SOLSBERRY	UNALLOCATED	—	—	D	Minimal	0	—
SORENSEN	UNALLOCATED	—	—	D	Minimal	0	—
SOURWOOD	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SOUTH BEND	UNALLOCATED	—	—	C	Limited	0	—
SOUTH BERWICK	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH BOWLING GREEN	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH BUTLER	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH CARLYLE	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH HICKSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH HOLLAND	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH LYNCHBURG	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH MILLERSBURG	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH PARK	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH SCOTTSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
SOUTH SUMMITVILLE	UNALLOCATED	—	—	D	Minimal	0	—
SOUTHBEND	UNALLOCATED	—	—	C	Limited	0	—
SOUTHWEST	UNALLOCATED	—	—	D	Minimal	0	—
SOUTHWEST	UNALLOCATED	—	—	C	Limited	1	50
SOUTHWEST LIMA	UNALLOCATED	—	—	D	Minimal	0	—
SPANN AVE	UNALLOCATED	—	—	C	Limited	0	—
SPEED	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SPENCER	UNALLOCATED	—	—	D	Minimal	0	—
SPICEWOOD	UNALLOCATED	—	—	C	Minimal	3	3,000
SPORN	UNALLOCATED	—	—	C	Limited	0	—
SPRIGG	UNALLOCATED	—	—	C	Limited	0	—
SPY RUN	UNALLOCATED	—	—	C	Limited	0	—
ST. CLAIR	UNALLOCATED	—	—	D	Minimal	0	—
STALLINGS	UNALLOCATED	—	—	D	Minimal	0	—
STATE STREET	UNALLOCATED	—	—	C	Limited	0	—
STATELINE	UNALLOCATED	—	—	C	Limited	0	—
STAUNTON	UNALLOCATED	—	—	D	Minimal	0	—
STEELEVILLE	UNALLOCATED	—	—	D	Minimal	0	—
STELCO	UNALLOCATED	—	—	D	Minimal	0	—
STELLA	UNALLOCATED	—	—	D	Minimal	0	—
STEPHENSBURG	UNALLOCATED	—	—	D	Minimal	0	—
STERLING	UNALLOCATED	—	—	D	Minimal	0	—
STEWART	UNALLOCATED	—	—	C	Limited	0	—
STONE	UNALLOCATED	—	—	D	Minimal	0	—
STONE LAKE	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
STRAWTON	UNALLOCATED	—	—	D	Minimal	0	—
STRYKER	UNALLOCATED	—	—	A	Moderate	0	—
STURGIS	UNALLOCATED	—	—	D	Minimal	0	—
SUB 39	UNALLOCATED	—	—	D	Minimal	0	—
SUB1	UNALLOCATED	—	—	C	Limited	0	—
SULLIVAN	UNALLOCATED	—	—	D	Minimal	0	—
SUMMER SHADE	UNALLOCATED	—	—	D	Minimal	0	—
SUMPTER	UNALLOCATED	—	—	D	Minimal	0	—
SUNSET	UNALLOCATED	—	—	C	Limited	0	—
SWITCHBACK	UNALLOCATED	—	—	D	Minimal	0	—
TALLMADGE	UNALLOCATED	—	—	D	Minimal	0	—
TAP121472	UNALLOCATED	—	—	D	Minimal	0	—
TAP122968	UNALLOCATED	—	—	D	Minimal	0	—
TAP136838	UNALLOCATED	—	—	D	Minimal	0	—
TAP136881	UNALLOCATED	—	—	C	Limited	0	—
TAP136882	UNALLOCATED	—	—	D	Minimal	0	—
TAP136883	UNALLOCATED	—	—	D	Minimal	0	—
TAP136884	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP136885	UNALLOCA TED	—	—	D	Minimal	0	—
TAP136886	UNALLOCA TED	—	—	D	Minimal	0	—
TAP136887	UNALLOCA TED	—	—	D	Minimal	0	—
TAP136888	UNALLOCA TED	—	—	D	Minimal	0	—
TAP136892	UNALLOCA TED	—	—	D	Minimal	0	—
TAP136913	UNALLOCA TED	—	—	C	Limited	0	—
TAP137105	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137106	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137196	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137202	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137203	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137227	UNALLOCA TED	—	—	D	Minimal	0	—
TAP137228	UNALLOCA TED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137285	UNALLOCATED	—	—	D	Minimal	0	—
TAP137286	UNALLOCATED	—	—	D	Minimal	0	—
TAP137287	UNALLOCATED	—	—	D	Minimal	0	—
TAP137300	UNALLOCATED	—	—	D	Minimal	0	—
TAP137301	UNALLOCATED	—	—	D	Minimal	0	—
TAP137324	UNALLOCATED	—	—	D	Minimal	0	—
TAP137325	UNALLOCATED	—	—	D	Minimal	0	—
TAP137328	UNALLOCATED	—	—	D	Minimal	0	—
TAP137329	UNALLOCATED	—	—	D	Minimal	0	—
TAP137332	UNALLOCATED	—	—	D	Minimal	0	—
TAP137333	UNALLOCATED	—	—	D	Minimal	0	—
TAP137338	UNALLOCATED	—	—	D	Minimal	0	—
TAP137340	UNALLOCATED	—	—	D	Minimal	0	—
TAP137341	UNALLOCATED	—	—	D	Minimal	0	—
TAP137342	UNALLOCATED	—	—	D	Minimal	0	—
TAP137343	UNALLOCATED	—	—	D	Minimal	0	—
TAP137344	UNALLOCATED	—	—	D	Minimal	0	—
TAP137345	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP137355	UNALLOCATED	—	—	D	Minimal	0	—
TAP137356	UNALLOCATED	—	—	D	Minimal	0	—
TAP137393	UNALLOCATED	—	—	D	Minimal	0	—
TAP137409	UNALLOCATED	—	—	D	Minimal	0	—
TAP137410	UNALLOCATED	—	—	D	Minimal	0	—
TAP137549	UNALLOCATED	—	—	D	Minimal	0	—
TAP137552	UNALLOCATED	—	—	D	Minimal	0	—
TAP137561	UNALLOCATED	—	—	D	Minimal	0	—
TAP137636	UNALLOCATED	—	—	D	Minimal	0	—
TAP137637	UNALLOCATED	—	—	D	Minimal	0	—
TAP137764	UNALLOCATED	—	—	D	Minimal	0	—
TAP137766	UNALLOCATED	—	—	C	Limited	0	—
TAP137768	UNALLOCATED	—	—	C	Limited	0	—
TAP137771	UNALLOCATED	—	—	D	Minimal	0	—
TAP137772	UNALLOCATED	—	—	D	Minimal	0	—
TAP137859	UNALLOCATED	—	—	A	Moderate	1	96
TAP137862	UNALLOCATED	—	—	D	Minimal	0	—
TAP138123	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138124	UNALLOCATED	—	—	C	Limited	0	—
TAP138125	UNALLOCATED	—	—	C	Limited	0	—
TAP138127	UNALLOCATED	—	—	C	Limited	0	—
TAP138128	UNALLOCATED	—	—	C	Limited	0	—
TAP138129	UNALLOCATED	—	—	C	Limited	0	—
TAP138132	UNALLOCATED	—	—	C	Limited	0	—
TAP138133	UNALLOCATED	—	—	C	Limited	0	—
TAP138134	UNALLOCATED	—	—	C	Limited	0	—
TAP138136	UNALLOCATED	—	—	C	Limited	0	—
TAP138137	UNALLOCATED	—	—	C	Limited	0	—
TAP138182	UNALLOCATED	—	—	C	Limited	0	—
TAP138183	UNALLOCATED	—	—	C	Limited	0	—
TAP138184	UNALLOCATED	—	—	C	Limited	0	—
TAP138185	UNALLOCATED	—	—	C	Limited	0	—
TAP138186	UNALLOCATED	—	—	C	Limited	0	—
TAP138187	UNALLOCATED	—	—	D	Minimal	0	—
TAP138188	UNALLOCATED	—	—	D	Minimal	0	—
TAP138189	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138190	UNALLOCATED	—	—	D	Minimal	0	—
TAP138191	UNALLOCATED	—	—	C	Limited	0	—
TAP138283	UNALLOCATED	—	—	D	Minimal	0	—
TAP138285	UNALLOCATED	—	—	D	Minimal	0	—
TAP138287	UNALLOCATED	—	—	D	Minimal	0	—
TAP138288	UNALLOCATED	—	—	D	Minimal	0	—
TAP138289	UNALLOCATED	—	—	D	Minimal	0	—
TAP138291	UNALLOCATED	—	—	D	Minimal	0	—
TAP138308	UNALLOCATED	—	—	D	Minimal	0	—
TAP138311	UNALLOCATED	—	—	C	Limited	0	—
TAP138312	UNALLOCATED	—	—	C	Limited	0	—
TAP138314	UNALLOCATED	—	—	D	Minimal	0	—
TAP138315	UNALLOCATED	—	—	D	Minimal	0	—
TAP138316	UNALLOCATED	—	—	D	Minimal	0	—
TAP138320	UNALLOCATED	—	—	D	Minimal	0	—
TAP138323	UNALLOCATED	—	—	D	Minimal	0	—
TAP138324	UNALLOCATED	—	—	D	Minimal	0	—
TAP138328	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138337	UNALLOCATED	—	—	D	Minimal	0	—
TAP138338	UNALLOCATED	—	—	D	Minimal	0	—
TAP138350	UNALLOCATED	—	—	D	Minimal	0	—
TAP138351	UNALLOCATED	—	—	D	Minimal	0	—
TAP138359	UNALLOCATED	—	—	C	Limited	0	—
TAP138361	UNALLOCATED	—	—	D	Minimal	0	—
TAP138362	UNALLOCATED	—	—	C	Limited	0	—
TAP138363	UNALLOCATED	—	—	C	Limited	0	—
TAP138369	UNALLOCATED	—	—	D	Minimal	0	—
TAP138370	UNALLOCATED	—	—	C	Limited	0	—
TAP138371	UNALLOCATED	—	—	C	Limited	0	—
TAP138372	UNALLOCATED	—	—	C	Limited	0	—
TAP138373	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138374	UNALLOCATED	—	—	C	Limited	0	—
TAP138375	UNALLOCATED	—	—	C	Limited	0	—
TAP138376	UNALLOCATED	—	—	C	Limited	0	—
TAP138377	UNALLOCATED	—	—	C	Limited	0	—
TAP138378	UNALLOCATED	—	—	C	Limited	0	—
TAP138379	UNALLOCATED	—	—	C	Limited	0	—
TAP138380	UNALLOCATED	—	—	C	Limited	0	—
TAP138381	UNALLOCATED	—	—	C	Limited	0	—
TAP138385	UNALLOCATED	—	—	D	Minimal	0	—
TAP138392	UNALLOCATED	—	—	C	Limited	0	—
TAP138393	UNALLOCATED	—	—	C	Limited	0	—
TAP138399	UNALLOCATED	—	—	C	Limited	0	—
TAP138462	UNALLOCATED	—	—	D	Minimal	0	—
TAP138463	UNALLOCATED	—	—	D	Minimal	0	—
TAP138466	UNALLOCATED	—	—	D	Minimal	0	—
TAP138468	UNALLOCATED	—	—	D	Minimal	0	—
TAP138470	UNALLOCATED	—	—	D	Minimal	0	—
TAP138471	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138472	UNALLOCATED	—	—	D	Minimal	0	—
TAP138473	UNALLOCATED	—	—	D	Minimal	0	—
TAP138474	UNALLOCATED	—	—	D	Minimal	0	—
TAP138522	UNALLOCATED	—	—	D	Minimal	0	—
TAP138526	UNALLOCATED	—	—	D	Minimal	0	—
TAP138529	UNALLOCATED	—	—	D	Minimal	0	—
TAP138531	UNALLOCATED	—	—	C	Limited	0	—
TAP138533	UNALLOCATED	—	—	D	Minimal	0	—
TAP138535	UNALLOCATED	—	—	C	Limited	0	—
TAP138538	UNALLOCATED	—	—	C	Limited	0	—
TAP138540	UNALLOCATED	—	—	D	Minimal	0	—
TAP138688	UNALLOCATED	—	—	D	Minimal	0	—
TAP138693	UNALLOCATED	—	—	D	Minimal	0	—
TAP138706	UNALLOCATED	—	—	D	Minimal	0	—
TAP138708	UNALLOCATED	—	—	D	Minimal	0	—
TAP138709	UNALLOCATED	—	—	D	Minimal	0	—
TAP138710	UNALLOCATED	—	—	C	Limited	0	—
TAP138712	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138713	UNALLOCATED	—	—	C	Limited	0	—
TAP138715	UNALLOCATED	—	—	D	Minimal	0	—
TAP138716	UNALLOCATED	—	—	C	Limited	0	—
TAP138717	UNALLOCATED	—	—	D	Minimal	0	—
TAP138720	UNALLOCATED	—	—	D	Minimal	0	—
TAP138723	UNALLOCATED	—	—	C	Limited	0	—
TAP138725	UNALLOCATED	—	—	D	Minimal	0	—
TAP138726	UNALLOCATED	—	—	D	Minimal	0	—
TAP138727	UNALLOCATED	—	—	D	Minimal	0	—
TAP138737	UNALLOCATED	—	—	D	Minimal	0	—
TAP138741	UNALLOCATED	—	—	C	Limited	0	—
TAP138744	UNALLOCATED	—	—	D	Minimal	0	—
TAP138745	UNALLOCATED	—	—	D	Minimal	0	—
TAP138746	UNALLOCATED	—	—	D	Minimal	0	—
TAP138747	UNALLOCATED	—	—	D	Minimal	0	—
TAP138748	UNALLOCATED	—	—	D	Minimal	0	—
TAP138749	UNALLOCATED	—	—	D	Minimal	0	—
TAP138750	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138751	UNALLOCATED	—	—	D	Minimal	0	—
TAP138752	UNALLOCATED	—	—	D	Minimal	0	—
TAP138753	UNALLOCATED	—	—	D	Minimal	0	—
TAP138754	UNALLOCATED	—	—	D	Minimal	0	—
TAP138970	UNALLOCATED	—	—	D	Minimal	0	—
TAP138971	UNALLOCATED	—	—	D	Minimal	0	—
TAP138973	UNALLOCATED	—	—	D	Minimal	0	—
TAP138974	UNALLOCATED	—	—	D	Minimal	0	—
TAP138975	UNALLOCATED	—	—	D	Minimal	0	—
TAP138976	UNALLOCATED	—	—	C	Limited	0	—
TAP138980	UNALLOCATED	—	—	D	Minimal	0	—
TAP138981	UNALLOCATED	—	—	D	Minimal	0	—
TAP138982	UNALLOCATED	—	—	D	Minimal	0	—
TAP138984	UNALLOCATED	—	—	C	Limited	0	—
TAP138985	UNALLOCATED	—	—	C	Limited	0	—
TAP138986	UNALLOCATED	—	—	C	Limited	0	—
TAP138987	UNALLOCATED	—	—	C	Limited	0	—
TAP138988	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138992	UNALLOCATED	—	—	C	Limited	0	—
TAP138997	UNALLOCATED	—	—	C	Limited	0	—
TAP138998	UNALLOCATED	—	—	C	Limited	0	—
TAP138999	UNALLOCATED	—	—	D	Minimal	0	—
TAP139001	UNALLOCATED	—	—	D	Minimal	0	—
TAP139002	UNALLOCATED	—	—	D	Minimal	0	—
TAP139006	UNALLOCATED	—	—	C	Limited	0	—
TAP139007	UNALLOCATED	—	—	D	Minimal	0	—
TAP139008	UNALLOCATED	—	—	D	Minimal	0	—
TAP139012	UNALLOCATED	—	—	D	Minimal	0	—
TAP139013	UNALLOCATED	—	—	D	Minimal	0	—
TAP139014	UNALLOCATED	—	—	D	Minimal	0	—
TAP139015	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139018	UNALLOCATED	—	—	C	Limited	1	50
TAP139019	UNALLOCATED	—	—	C	Limited	1	50
TAP139021	UNALLOCATED	—	—	C	Limited	0	—
TAP139022	UNALLOCATED	—	—	C	Limited	0	—
TAP139024	UNALLOCATED	—	—	D	Minimal	0	—
TAP139025	UNALLOCATED	—	—	D	Minimal	0	—
TAP139026	UNALLOCATED	—	—	C	Limited	0	—
TAP139027	UNALLOCATED	—	—	C	Limited	0	—
TAP139028	UNALLOCATED	—	—	D	Minimal	0	—
TAP139029	UNALLOCATED	—	—	D	Minimal	0	—
TAP139030	UNALLOCATED	—	—	D	Minimal	0	—
TAP139216	UNALLOCATED	—	—	C	Minimal	6	1,024
TAP139217	UNALLOCATED	—	—	C	Minimal	3	290
TAP139218	UNALLOCATED	—	—	C	Minimal	7	851
TAP139228	UNALLOCATED	—	—	C	Limited	0	—
TAP139239	UNALLOCATED	—	—	D	Minimal	0	—
TAP139241	UNALLOCATED	—	—	D	Minimal	0	—
TAP139242	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139260	UNALLOCATED	—	—	D	Minimal	0	—
TAP139261	UNALLOCATED	—	—	D	Minimal	0	—
TAP139262	UNALLOCATED	—	—	D	Minimal	0	—
TAP139263	UNALLOCATED	—	—	D	Minimal	0	—
TAP139264	UNALLOCATED	—	—	D	Minimal	0	—
TAP139265	UNALLOCATED	—	—	C	Limited	0	—
TAP139266	UNALLOCATED	—	—	C	Limited	0	—
TAP139268	UNALLOCATED	—	—	D	Minimal	0	—
TAP139269	UNALLOCATED	—	—	D	Minimal	0	—
TAP139270	UNALLOCATED	—	—	D	Minimal	0	—
TAP139271	UNALLOCATED	—	—	D	Minimal	0	—
TAP139320	UNALLOCATED	—	—	D	Minimal	0	—
TAP139321	UNALLOCATED	—	—	D	Minimal	0	—
TAP139322	UNALLOCATED	—	—	D	Minimal	0	—
TAP139407	UNALLOCATED	—	—	D	Minimal	0	—
TAP139467	UNALLOCATED	—	—	D	Minimal	0	—
TAP139468	UNALLOCATED	—	—	D	Minimal	0	—
TAP139469	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139470	UNALLOCATED	—	—	C	Limited	0	—
TAP139473	UNALLOCATED	—	—	D	Minimal	0	—
TAP139474	UNALLOCATED	—	—	D	Minimal	0	—
TAP139475	UNALLOCATED	—	—	D	Minimal	0	—
TAP139477	UNALLOCATED	—	—	D	Minimal	0	—
TAP139478	UNALLOCATED	—	—	D	Minimal	0	—
TAP139479	UNALLOCATED	—	—	D	Minimal	0	—
TAP139480	UNALLOCATED	—	—	D	Minimal	0	—
TAP139481	UNALLOCATED	—	—	D	Minimal	0	—
TAP139486	UNALLOCATED	—	—	D	Minimal	0	—
TAP139487	UNALLOCATED	—	—	D	Minimal	0	—
TAP139488	UNALLOCATED	—	—	D	Minimal	0	—
TAP139489	UNALLOCATED	—	—	D	Minimal	0	—
TAP139491	UNALLOCATED	—	—	D	Minimal	0	—
TAP139503	UNALLOCATED	—	—	D	Minimal	0	—
TAP139504	UNALLOCATED	—	—	D	Minimal	0	—
TAP139780	UNALLOCATED	—	—	D	Minimal	0	—
TAP139781	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139902	UNALLOCATED	—	—	D	Minimal	0	—
TAP139909	UNALLOCATED	—	—	D	Minimal	0	—
TAP139914	UNALLOCATED	—	—	D	Minimal	0	—
TAP139918	UNALLOCATED	—	—	D	Minimal	0	—
TAP139919	UNALLOCATED	—	—	D	Minimal	0	—
TAP139920	UNALLOCATED	—	—	D	Minimal	0	—
TAP139932	UNALLOCATED	—	—	D	Minimal	0	—
TAP139933	UNALLOCATED	—	—	D	Minimal	0	—
TAP139935	UNALLOCATED	—	—	D	Minimal	0	—
TAP139936	UNALLOCATED	—	—	C	Minimal	2	802
TAP139938	UNALLOCATED	—	—	C	Minimal	3	1,203
TAP139939	UNALLOCATED	—	—	D	Minimal	0	—
TAP139940	UNALLOCATED	—	—	D	Minimal	0	—
TAP139941	UNALLOCATED	—	—	C	Limited	0	—
TAP139942	UNALLOCATED	—	—	C	Limited	0	—
TAP139946	UNALLOCATED	—	—	C	Limited	0	—
TAP139950	UNALLOCATED	—	—	D	Minimal	0	—
TAP139955	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139957	UNALLOCATED	—	—	C	Minimal	3	1,203
TAP139958	UNALLOCATED	—	—	C	Limited	0	—
TAP139959	UNALLOCATED	—	—	D	Minimal	0	—
TAP139960	UNALLOCATED	—	—	D	Minimal	0	—
TAP139962	UNALLOCATED	—	—	D	Minimal	0	—
TAP139975	UNALLOCATED	—	—	D	Minimal	0	—
TAP139976	UNALLOCATED	—	—	D	Minimal	0	—
TAP139977	UNALLOCATED	—	—	D	Minimal	0	—
TAP139978	UNALLOCATED	—	—	D	Minimal	0	—
TAP139981	UNALLOCATED	—	—	C	Limited	0	—
TAP139982	UNALLOCATED	—	—	C	Limited	0	—
TAP139983	UNALLOCATED	—	—	D	Minimal	0	—
TAP139984	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139985	UNALLOCATED	—	—	D	Minimal	0	—
TAP139986	UNALLOCATED	—	—	D	Minimal	0	—
TAP139987	UNALLOCATED	—	—	D	Minimal	0	—
TAP139988	UNALLOCATED	—	—	D	Minimal	0	—
TAP139989	UNALLOCATED	—	—	D	Minimal	0	—
TAP139990	UNALLOCATED	—	—	C	Limited	1	50
TAP139991	UNALLOCATED	—	—	D	Minimal	0	—
TAP139992	UNALLOCATED	—	—	D	Minimal	0	—
TAP139993	UNALLOCATED	—	—	D	Minimal	0	—
TAP139994	UNALLOCATED	—	—	D	Minimal	0	—
TAP139995	UNALLOCATED	—	—	C	Limited	0	—
TAP139996	UNALLOCATED	—	—	D	Minimal	0	—
TAP139997	UNALLOCATED	—	—	D	Minimal	0	—
TAP139998	UNALLOCATED	—	—	D	Minimal	0	—
TAP140000	UNALLOCATED	—	—	D	Minimal	0	—
TAP140001	UNALLOCATED	—	—	D	Minimal	0	—
TAP140013	UNALLOCATED	—	—	D	Minimal	0	—
TAP140022	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140023	UNALLOCATED	—	—	D	Minimal	0	—
TAP140062	UNALLOCATED	—	—	D	Minimal	0	—
TAP140063	UNALLOCATED	—	—	D	Minimal	0	—
TAP140065	UNALLOCATED	—	—	C	Limited	0	—
TAP140066	UNALLOCATED	—	—	C	Limited	0	—
TAP140067	UNALLOCATED	—	—	C	Limited	0	—
TAP140068	UNALLOCATED	—	—	D	Minimal	0	—
TAP140069	UNALLOCATED	—	—	D	Minimal	0	—
TAP140070	UNALLOCATED	—	—	D	Minimal	0	—
TAP140071	UNALLOCATED	—	—	C	Moderate	0	—
TAP140072	UNALLOCATED	—	—	D	Minimal	0	—
TAP140074	UNALLOCATED	—	—	D	Minimal	0	—
TAP140075	UNALLOCATED	—	—	D	Minimal	0	—
TAP140076	UNALLOCATED	—	—	D	Minimal	0	—
TAP140077	UNALLOCATED	—	—	D	Minimal	0	—
TAP140078	UNALLOCATED	—	—	C	Limited	0	—
TAP140079	UNALLOCATED	—	—	D	Minimal	0	—
TAP140094	UNALLOCATED	—	—	D	Minimal	1	70

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140107	UNALLOCATED	—	—	D	Minimal	0	—
TAP140110	UNALLOCATED	—	—	D	Minimal	0	—
TAP140111	UNALLOCATED	—	—	D	Minimal	0	—
TAP140131	UNALLOCATED	—	—	D	Minimal	0	—
TAP140132	UNALLOCATED	—	—	D	Minimal	0	—
TAP140133	UNALLOCATED	—	—	D	Minimal	0	—
TAP140134	UNALLOCATED	—	—	D	Minimal	0	—
TAP140135	UNALLOCATED	—	—	D	Minimal	0	—
TAP140137	UNALLOCATED	—	—	C	Limited	0	—
TAP140139	UNALLOCATED	—	—	D	Minimal	0	—
TAP140140	UNALLOCATED	—	—	D	Minimal	0	—
TAP140141	UNALLOCATED	—	—	C	Limited	0	—
TAP140144	UNALLOCATED	—	—	D	Minimal	0	—
TAP140145	UNALLOCATED	—	—	D	Minimal	0	—
TAP140155	UNALLOCATED	—	—	C	Limited	0	—
TAP140156	UNALLOCATED	—	—	C	Limited	0	—
TAP140161	UNALLOCATED	—	—	C	Limited	0	—
TAP140162	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140163	UNALLOCATED	—	—	C	Limited	0	—
TAP140164	UNALLOCATED	—	—	C	Limited	1	4
TAP140165	UNALLOCATED	—	—	D	Minimal	0	—
TAP140166	UNALLOCATED	—	—	C	Limited	0	—
TAP140167	UNALLOCATED	—	—	C	Limited	0	—
TAP140171	UNALLOCATED	—	—	C	Limited	0	—
TAP140172	UNALLOCATED	—	—	D	Minimal	0	—
TAP140180	UNALLOCATED	—	—	C	Limited	0	—
TAP140181	UNALLOCATED	—	—	C	Limited	0	—
TAP140187	UNALLOCATED	—	—	D	Minimal	0	—
TAP140261	UNALLOCATED	—	—	D	Minimal	0	—
TAP140262	UNALLOCATED	—	—	D	Minimal	0	—
TAP140264	UNALLOCATED	—	—	D	Minimal	0	—
TAP140266	UNALLOCATED	—	—	D	Minimal	0	—
TAP140268	UNALLOCATED	—	—	C	Limited	0	—
TAP140275	UNALLOCATED	—	—	C	Limited	0	—
TAP140291	UNALLOCATED	—	—	C	Limited	1	2
TAP140294	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140377	UNALLOCA TED	—	—	C	Limited	0	—
TAP140378	UNALLOCA TED	—	—	C	Limited	0	—
TAP140379	UNALLOCA TED	—	—	C	Limited	0	—
TAP140380	UNALLOCA TED	—	—	C	Limited	0	—
TAP140381	UNALLOCA TED	—	—	C	Limited	0	—
TAP140382	UNALLOCA TED	—	—	C	Limited	0	—
TAP140383	UNALLOCA TED	—	—	C	Limited	0	—
TAP140384	UNALLOCA TED	—	—	D	Minimal	0	—
TAP140385	UNALLOCA TED	—	—	C	Limited	0	—
TAP140386	UNALLOCA TED	—	—	C	Limited	0	—
TAP140387	UNALLOCA TED	—	—	C	Limited	0	—
TAP140388	UNALLOCA TED	—	—	C	Limited	0	—
TAP140389	UNALLOCA TED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140390	UNALLOCATED	—	—	D	Minimal	0	—
TAP140391	UNALLOCATED	—	—	D	Minimal	0	—
TAP140392	UNALLOCATED	—	—	C	Limited	0	—
TAP140398	UNALLOCATED	—	—	D	Minimal	0	—
TAP140478	UNALLOCATED	—	—	D	Minimal	0	—
TAP140625	UNALLOCATED	—	—	D	Minimal	0	—
TAP140658	UNALLOCATED	—	—	C	Limited	0	—
TAP141048	UNALLOCATED	—	—	D	Minimal	0	—
TAP141070	UNALLOCATED	—	—	D	Minimal	0	—
TAP141098	UNALLOCATED	—	—	C	Limited	0	—
TAP141099	UNALLOCATED	—	—	C	Limited	0	—
TAP141100	UNALLOCATED	—	—	C	Limited	0	—
TAP141136	UNALLOCATED	—	—	D	Minimal	0	—
TAP141137	UNALLOCATED	—	—	D	Minimal	0	—
TAP141201	UNALLOCATED	—	—	C	Limited	0	—
TAP141223	UNALLOCATED	—	—	D	Minimal	0	—
TAP141266	UNALLOCATED	—	—	C	Limited	0	—
TAP141267	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP141268	UNALLOCATED	—	—	D	Minimal	0	—
TAP141272	UNALLOCATED	—	—	D	Minimal	0	—
TAP141274	UNALLOCATED	—	—	A	Moderate	0	—
TAP141277	UNALLOCATED	—	—	D	Minimal	0	—
TAP141281	UNALLOCATED	—	—	D	Minimal	0	—
TAP141282	UNALLOCATED	—	—	D	Minimal	0	—
TAP144571	UNALLOCATED	—	—	D	Minimal	0	—
TAP144587	UNALLOCATED	—	—	D	Minimal	0	—
TAP144588	UNALLOCATED	—	—	D	Minimal	0	—
TAP145621	UNALLOCATED	—	—	C	Limited	0	—
TAP145622	UNALLOCATED	—	—	C	Limited	0	—
TAP145623	UNALLOCATED	—	—	D	Minimal	0	—
TAP145624	UNALLOCATED	—	—	D	Minimal	0	—
TAP145625	UNALLOCATED	—	—	D	Minimal	0	—
TAP145630	UNALLOCATED	—	—	C	Limited	0	—
TAP145631	UNALLOCATED	—	—	C	Limited	0	—
TAP145638	UNALLOCATED	—	—	D	Minimal	0	—
TAP145639	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP145652	UNALLOCATED	—	—	D	Minimal	0	—
TAP145654	UNALLOCATED	—	—	D	Minimal	0	—
TAP145656	UNALLOCATED	—	—	D	Minimal	0	—
TAP145692	UNALLOCATED	—	—	D	Minimal	0	—
TAP145694	UNALLOCATED	—	—	D	Minimal	0	—
TAP145696	UNALLOCATED	—	—	D	Minimal	0	—
TAP145697	UNALLOCATED	—	—	D	Minimal	0	—
TAP145698	UNALLOCATED	—	—	D	Minimal	0	—
TAP145700	UNALLOCATED	—	—	D	Minimal	0	—
TAP145702	UNALLOCATED	—	—	D	Minimal	0	—
TAP145703	UNALLOCATED	—	—	D	Minimal	0	—
TAP145705	UNALLOCATED	—	—	D	Minimal	0	—
TAP145707	UNALLOCATED	—	—	D	Minimal	0	—
TAP145709	UNALLOCATED	—	—	D	Minimal	0	—
TAP145816	UNALLOCATED	—	—	D	Minimal	0	—
TAP145859	UNALLOCATED	—	—	C	Limited	0	—
TAP145860	UNALLOCATED	—	—	D	Minimal	0	—
TAP145865	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP146113	UNALLOCATED	—	—	D	Minimal	0	—
TAP146114	UNALLOCATED	—	—	D	Minimal	0	—
TAP146115	UNALLOCATED	—	—	D	Minimal	0	—
TAP146119	UNALLOCATED	—	—	D	Minimal	0	—
TAP146142	UNALLOCATED	—	—	D	Minimal	0	—
TAP146442	UNALLOCATED	—	—	D	Minimal	0	—
TAP146707	UNALLOCATED	—	—	D	Minimal	0	—
TAP146711	UNALLOCATED	—	—	C	Limited	0	—
TAP146712	UNALLOCATED	—	—	D	Minimal	0	—
TAP146713	UNALLOCATED	—	—	D	Minimal	0	—
TAP146714	UNALLOCATED	—	—	D	Minimal	0	—
TAP146715	UNALLOCATED	—	—	C	Limited	0	—
TAP146717	UNALLOCATED	—	—	C	Limited	0	—
TAP146719	UNALLOCATED	—	—	D	Minimal	0	—
TAP146720	UNALLOCATED	—	—	D	Minimal	0	—
TAP146916	UNALLOCATED	—	—	D	Minimal	0	—
TAP146917	UNALLOCATED	—	—	D	Minimal	0	—
TAP146918	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP146931	UNALLOCA TED	—	—	C	Limited	0	—
TAP146997	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147008	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147061	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147062	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147160	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147161	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147349	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147394	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147395	UNALLOCA TED	—	—	D	Minimal	0	—
TAP147396	UNALLOCA TED	—	—	D	Minimal	4	105
TAP147421	UNALLOCA TED	—	—	C	Limited	0	—
TAP147422	UNALLOCA TED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147448	UNALLOCATED	—	—	D	Minimal	0	—
TAP147449	UNALLOCATED	—	—	D	Minimal	0	—
TAP147462	UNALLOCATED	—	—	D	Minimal	0	—
TAP147463	UNALLOCATED	—	—	D	Minimal	0	—
TAP147464	UNALLOCATED	—	—	D	Minimal	0	—
TAP147623	UNALLOCATED	—	—	C	Limited	0	—
TAP147646	UNALLOCATED	—	—	D	Minimal	0	—
TAP147650	UNALLOCATED	—	—	D	Minimal	0	—
TAP147652	UNALLOCATED	—	—	D	Minimal	0	—
TAP147653	UNALLOCATED	—	—	D	Minimal	0	—
TAP147654	UNALLOCATED	—	—	D	Minimal	0	—
TAP147668	UNALLOCATED	—	—	D	Minimal	4	200
TAP147680	UNALLOCATED	—	—	D	Minimal	0	—
TAP147681	UNALLOCATED	—	—	D	Minimal	0	—
TAP147682	UNALLOCATED	—	—	D	Minimal	0	—
TAP147683	UNALLOCATED	—	—	D	Minimal	0	—
TAP147694	UNALLOCATED	—	—	C	Limited	0	—
TAP147809	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP147958	UNALLOCATED	—	—	D	Minimal	0	—
TAP147981	UNALLOCATED	—	—	D	Minimal	0	—
TAP148011	UNALLOCATED	—	—	A	Moderate	0	—
TAP148012	UNALLOCATED	—	—	A	Moderate	0	—
TAP148033	UNALLOCATED	—	—	C	Limited	0	—
TAP148034	UNALLOCATED	—	—	D	Minimal	0	—
TAP148035	UNALLOCATED	—	—	D	Minimal	0	—
TAP148045	UNALLOCATED	—	—	D	Minimal	0	—
TAP148055	UNALLOCATED	—	—	D	Minimal	0	—
TAP148056	UNALLOCATED	—	—	D	Minimal	0	—
TAP148057	UNALLOCATED	—	—	D	Minimal	0	—
TAP148058	UNALLOCATED	—	—	D	Minimal	0	—
TAP148059	UNALLOCATED	—	—	D	Minimal	0	—
TAP148197	UNALLOCATED	—	—	D	Minimal	0	—
TAP148198	UNALLOCATED	—	—	D	Minimal	0	—
TAP148199	UNALLOCATED	—	—	D	Minimal	0	—
TAP148217	UNALLOCATED	—	—	D	Minimal	0	—
TAP148219	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP148263	UNALLOCATED	—	—	D	Minimal	1	50
TAP148286	UNALLOCATED	—	—	C	Limited	0	—
TAP148287	UNALLOCATED	—	—	C	Limited	2	80
TAP148288	UNALLOCATED	—	—	C	Limited	2	80
TAP148289	UNALLOCATED	—	—	C	Limited	2	80
TAP148309	UNALLOCATED	—	—	C	Limited	2	100
TAP148310	UNALLOCATED	—	—	C	Limited	2	100
TAP148311	UNALLOCATED	—	—	C	Limited	2	100
TAP148490	UNALLOCATED	—	—	D	Minimal	0	—
TAP148492	UNALLOCATED	—	—	D	Minimal	0	—
TAP148493	UNALLOCATED	—	—	D	Minimal	0	—
TAP148494	UNALLOCATED	—	—	D	Minimal	0	—
TAP148659	UNALLOCATED	—	—	D	Minimal	0	—
TAP148660	UNALLOCATED	—	—	D	Minimal	0	—
TAP148661	UNALLOCATED	—	—	D	Minimal	0	—
TAP148662	UNALLOCATED	—	—	D	Minimal	0	—
TAP148663	UNALLOCATED	—	—	D	Minimal	0	—
TAP148664	UNALLOCATED	—	—	A	Moderate	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP148665	UNALLOCATED	—	—	D	Minimal	0	—
TAP148666	UNALLOCATED	—	—	D	Minimal	0	—
TAP148667	UNALLOCATED	—	—	A	Moderate	0	—
TAP150357	UNALLOCATED	—	—	D	Minimal	0	—
TAP150359	UNALLOCATED	—	—	D	Minimal	0	—
TAP150361	UNALLOCATED	—	—	D	Minimal	0	—
TAP150363	UNALLOCATED	—	—	D	Minimal	0	—
TAP150534	UNALLOCATED	—	—	C	Limited	2	100
TAP150596	UNALLOCATED	—	—	D	Minimal	0	—
TAP150706	UNALLOCATED	—	—	D	Minimal	0	—
TAP150880	UNALLOCATED	—	—	C	Limited	0	—
TAP151043	UNALLOCATED	—	—	C	Limited	0	—
TAP151713	UNALLOCATED	—	—	D	Minimal	0	—
TAP151832	UNALLOCATED	—	—	D	Minimal	0	—
TAP151833	UNALLOCATED	—	—	D	Minimal	0	—
TAP151842	UNALLOCATED	—	—	D	Minimal	0	—
TAP151843	UNALLOCATED	—	—	D	Minimal	0	—
TAP151892	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP151893	UNALLOCATED	—	—	D	Minimal	0	—
TAP151895	UNALLOCATED	—	—	D	Minimal	0	—
TAP152108	UNALLOCATED	—	—	C	Limited	0	—
TAP152242	UNALLOCATED	—	—	D	Minimal	0	—
TAP152249	UNALLOCATED	—	—	D	Minimal	0	—
TAP152403	UNALLOCATED	—	—	C	Limited	0	—
TAP152757	UNALLOCATED	—	—	D	Minimal	0	—
TAP152836	UNALLOCATED	—	—	C	Limited	0	—
TAP152892	UNALLOCATED	—	—	D	Minimal	0	—
TAP153315	UNALLOCATED	—	—	D	Minimal	0	—
TAP153316	UNALLOCATED	—	—	D	Minimal	0	—
TAP153493	UNALLOCATED	—	—	C	Limited	0	—
TAP153588	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP153620	UNALLOCATED	—	—	D	Minimal	1	50
TAP153711	UNALLOCATED	—	—	C	Limited	0	—
TAP153720	UNALLOCATED	—	—	C	Limited	0	—
TAP153721	UNALLOCATED	—	—	C	Limited	0	—
TAP153722	UNALLOCATED	—	—	C	Limited	0	—
TAP153753	UNALLOCATED	—	—	D	Minimal	0	—
TAP153754	UNALLOCATED	—	—	D	Minimal	0	—
TAP153771	UNALLOCATED	—	—	D	Minimal	0	—
TAP153772	UNALLOCATED	—	—	C	Limited	0	—
TAP153773	UNALLOCATED	—	—	C	Limited	1	150
TAP153781	UNALLOCATED	—	—	C	Limited	0	—
TAP153782	UNALLOCATED	—	—	C	Limited	0	—
TAP153790	UNALLOCATED	—	—	C	Limited	0	—
TAP153812	UNALLOCATED	—	—	D	Minimal	0	—
TAP153840	UNALLOCATED	—	—	D	Minimal	0	—
TAP153841	UNALLOCATED	—	—	D	Minimal	0	—
TAP153947	UNALLOCATED	—	—	C	Limited	0	—
TAP153956	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP153993	UNALLOCATED	—	—	D	Minimal	0	—
TAP153999	UNALLOCATED	—	—	C	Limited	0	—
TAP154020	UNALLOCATED	—	—	D	Minimal	0	—
TAP154085	UNALLOCATED	—	—	D	Minimal	0	—
TAP154088	UNALLOCATED	—	—	D	Minimal	0	—
TAP154146	UNALLOCATED	—	—	D	Minimal	0	—
TAP154211	UNALLOCATED	—	—	C	Limited	0	—
TAP154214	UNALLOCATED	—	—	D	Minimal	0	—
TAP154469	UNALLOCATED	—	—	D	Minimal	0	—
TAP154478	UNALLOCATED	—	—	D	Minimal	0	—
TAP154562	UNALLOCATED	—	—	D	Minimal	0	—
TAP154580	UNALLOCATED	—	—	D	Minimal	0	—
TAP154584	UNALLOCATED	—	—	D	Minimal	0	—
TAP154585	UNALLOCATED	—	—	D	Minimal	0	—
TAP154586	UNALLOCATED	—	—	D	Minimal	0	—
TAP154618	UNALLOCATED	—	—	C	Limited	0	—
TAP154864	UNALLOCATED	—	—	D	Minimal	3	150
TAP154910	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP154995	UNALLOCATED	—	—	D	Minimal	0	—
TAP155028	UNALLOCATED	—	—	C	Limited	0	—
TAP155041	UNALLOCATED	—	—	D	Minimal	0	—
TAP155070	UNALLOCATED	—	—	D	Minimal	0	—
TAP155099	UNALLOCATED	—	—	D	Minimal	0	—
TAP155281	UNALLOCATED	—	—	D	Minimal	0	—
TAP155304	UNALLOCATED	—	—	D	Minimal	0	—
TAP155305	UNALLOCATED	—	—	D	Minimal	0	—
TAP155307	UNALLOCATED	—	—	D	Minimal	0	—
TAP155319	UNALLOCATED	—	—	D	Minimal	0	—
TAP155474	UNALLOCATED	—	—	D	Minimal	0	—
TAP155477	UNALLOCATED	—	—	D	Minimal	0	—
TAP155481	UNALLOCATED	—	—	D	Minimal	0	—
TAP155485	UNALLOCATED	—	—	D	Minimal	0	—
TAP155487	UNALLOCATED	—	—	D	Minimal	0	—
TAP155488	UNALLOCATED	—	—	D	Minimal	0	—
TAP155496	UNALLOCATED	—	—	D	Minimal	0	—
TAP155580	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP155581	UNALLOCATED	—	—	D	Minimal	0	—
TAP155641	UNALLOCATED	—	—	C	Limited	1	3
TAP155733	UNALLOCATED	—	—	D	Minimal	0	—
TAP155739	UNALLOCATED	—	—	D	Minimal	0	—
TAP155807	UNALLOCATED	—	—	D	Minimal	0	—
TAP155828	UNALLOCATED	—	—	D	Minimal	0	—
TAP155829	UNALLOCATED	—	—	D	Minimal	0	—
TAP155830	UNALLOCATED	—	—	D	Minimal	0	—
TAP155869	UNALLOCATED	—	—	D	Minimal	0	—
TAP155897	UNALLOCATED	—	—	D	Minimal	0	—
TAP155907	UNALLOCATED	—	—	C	Limited	0	—
TAP155978	UNALLOCATED	—	—	D	Minimal	0	—
TAP155980	UNALLOCATED	—	—	D	Minimal	0	—
TAP155981	UNALLOCATED	—	—	A	Moderate	0	—
TAP155985	UNALLOCATED	—	—	D	Minimal	0	—
TAP155989	UNALLOCATED	—	—	D	Minimal	1	2
TAP155992	UNALLOCATED	—	—	D	Minimal	0	—
TAP155993	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP155994	UNALLOCA TED	—	—	C	Limited	0	—
TAP155995	UNALLOCA TED	—	—	C	Limited	0	—
TAP155996	UNALLOCA TED	—	—	C	Limited	0	—
TAP155997	UNALLOCA TED	—	—	C	Limited	0	—
TAP155999	UNALLOCA TED	—	—	C	Limited	0	—
TAP156000	UNALLOCA TED	—	—	C	Limited	0	—
TAP156001	UNALLOCA TED	—	—	C	Limited	0	—
TAP156002	UNALLOCA TED	—	—	C	Limited	0	—
TAP156010	UNALLOCA TED	—	—	C	Limited	0	—
TAP156012	UNALLOCA TED	—	—	D	Minimal	0	—
TAP156014	UNALLOCA TED	—	—	D	Minimal	0	—
TAP156022	UNALLOCA TED	—	—	C	Limited	0	—
TAP156023	UNALLOCA TED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP156024	UNALLOCATED	—	—	C	Limited	0	—
TAP156025	UNALLOCATED	—	—	C	Limited	0	—
TAP156027	UNALLOCATED	—	—	D	Minimal	0	—
TAP156029	UNALLOCATED	—	—	D	Minimal	0	—
TAP156043	UNALLOCATED	—	—	D	Minimal	0	—
TAP156045	UNALLOCATED	—	—	D	Minimal	0	—
TAP156050	UNALLOCATED	—	—	D	Minimal	0	—
TAP156077	UNALLOCATED	—	—	C	Limited	0	—
TAP156078	UNALLOCATED	—	—	C	Limited	0	—
TAP156079	UNALLOCATED	—	—	C	Limited	0	—
TAP156081	UNALLOCATED	—	—	C	Limited	0	—
TAP156082	UNALLOCATED	—	—	C	Limited	0	—
TAP156097	UNALLOCATED	—	—	C	Minimal	1	1,300
TAP156105	UNALLOCATED	—	—	C	Limited	0	—
TAP156122	UNALLOCATED	—	—	D	Minimal	0	—
TAP156135	UNALLOCATED	—	—	D	Minimal	0	—
TAP156141	UNALLOCATED	—	—	D	Minimal	0	—
TAP156142	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP156229	UNALLOCATED	—	—	D	Minimal	0	—
TAP156311	UNALLOCATED	—	—	D	Minimal	0	—
TAP156312	UNALLOCATED	—	—	D	Minimal	0	—
TAP158583	UNALLOCATED	—	—	D	Minimal	0	—
TAP158585	UNALLOCATED	—	—	D	Minimal	0	—
TAP158587	UNALLOCATED	—	—	D	Minimal	0	—
TAP158922	UNALLOCATED	—	—	D	Minimal	0	—
TAP158923	UNALLOCATED	—	—	D	Minimal	1	50
TAP158962	UNALLOCATED	—	—	D	Minimal	0	—
TAP159034	UNALLOCATED	—	—	D	Minimal	0	—
TAP159035	UNALLOCATED	—	—	D	Minimal	0	—
TAP159036	UNALLOCATED	—	—	D	Minimal	0	—
TAP159037	UNALLOCATED	—	—	D	Minimal	0	—
TAP159039	UNALLOCATED	—	—	D	Minimal	0	—
TAP159040	UNALLOCATED	—	—	D	Minimal	0	—
TAP159045	UNALLOCATED	—	—	D	Minimal	0	—
TAP159057	UNALLOCATED	—	—	D	Minimal	0	—
TAP159078	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP159772	UNALLOCATED	—	—	C	Limited	0	—
TAP160053	UNALLOCATED	—	—	D	Minimal	0	—
TAP160060	UNALLOCATED	—	—	D	Minimal	0	—
TAP160095	UNALLOCATED	—	—	D	Minimal	0	—
TAP160114	UNALLOCATED	—	—	C	Limited	0	—
TAP160125	UNALLOCATED	—	—	C	Limited	0	—
TAP160156	UNALLOCATED	—	—	D	Minimal	0	—
TAP160175	UNALLOCATED	—	—	D	Minimal	0	—
TAP160236	UNALLOCATED	—	—	D	Minimal	0	—
TAP160237	UNALLOCATED	—	—	C	Limited	0	—
TAP160239	UNALLOCATED	—	—	C	Limited	0	—
TAP160242	UNALLOCATED	—	—	C	Limited	0	—
TAP160245	UNALLOCATED	—	—	C	Limited	0	—
TAP160246	UNALLOCATED	—	—	C	Limited	0	—
TAP160247	UNALLOCATED	—	—	C	Limited	0	—
TAP160248	UNALLOCATED	—	—	C	Limited	1	4
TAP160249	UNALLOCATED	—	—	C	Limited	0	—
TAP160250	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP160251	UNALLOCATED	—	—	C	Limited	0	—
TAP160252	UNALLOCATED	—	—	C	Limited	0	—
TAP160253	UNALLOCATED	—	—	C	Limited	0	—
TAP160254	UNALLOCATED	—	—	C	Limited	0	—
TAP160255	UNALLOCATED	—	—	C	Limited	0	—
TAP160256	UNALLOCATED	—	—	C	Limited	0	—
TAP160257	UNALLOCATED	—	—	C	Limited	0	—
TAP160258	UNALLOCATED	—	—	C	Limited	0	—
TAP160259	UNALLOCATED	—	—	C	Limited	0	—
TAP160262	UNALLOCATED	—	—	C	Limited	0	—
TAP160280	UNALLOCATED	—	—	C	Limited	0	—
TAP160317	UNALLOCATED	—	—	C	Limited	0	—
TAP160416	UNALLOCATED	—	—	D	Minimal	0	—
TAP160436	UNALLOCATED	—	—	D	Minimal	0	—
TAP160437	UNALLOCATED	—	—	D	Minimal	0	—
TAP160449	UNALLOCATED	—	—	D	Minimal	0	—
TAP160450	UNALLOCATED	—	—	C	Limited	0	—
TAP160452	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP160453	UNALLOCATED	—	—	D	Minimal	0	—
TAP160457	UNALLOCATED	—	—	C	Limited	0	—
TAP160458	UNALLOCATED	—	—	C	Limited	0	—
TAP160459	UNALLOCATED	—	—	C	Limited	0	—
TAP160468	UNALLOCATED	—	—	C	Limited	0	—
TAP160469	UNALLOCATED	—	—	C	Limited	0	—
TAP160471	UNALLOCATED	—	—	D	Minimal	0	—
TAP160513	UNALLOCATED	—	—	D	Minimal	0	—
TAP160514	UNALLOCATED	—	—	D	Minimal	0	—
TAP160515	UNALLOCATED	—	—	D	Minimal	0	—
TAP160521	UNALLOCATED	—	—	D	Minimal	0	—
TAP160522	UNALLOCATED	—	—	D	Minimal	0	—
TAP160542	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP160582	UNALLOCATED	—	—	D	Minimal	0	—
TAP160634	UNALLOCATED	—	—	C	Limited	0	—
TAP160648	UNALLOCATED	—	—	D	Minimal	0	—
TAP161412	UNALLOCATED	—	—	D	Minimal	0	—
TAP161551	UNALLOCATED	—	—	C	Limited	0	—
TAP161552	UNALLOCATED	—	—	C	Limited	0	—
TAP161553	UNALLOCATED	—	—	D	Minimal	0	—
TAP161554	UNALLOCATED	—	—	C	Limited	0	—
TAP161559	UNALLOCATED	—	—	D	Minimal	0	—
TAP161563	UNALLOCATED	—	—	C	Limited	0	—
TAP161598	UNALLOCATED	—	—	D	Minimal	0	—
TAP162176	UNALLOCATED	—	—	C	Limited	0	—
TAP162215	UNALLOCATED	—	—	D	Minimal	0	—
TAP162228	UNALLOCATED	—	—	D	Minimal	0	—
TAP162321	UNALLOCATED	—	—	D	Minimal	0	—
TAP162353	UNALLOCATED	—	—	C	Limited	0	—
TAP162355	UNALLOCATED	—	—	D	Minimal	0	—
TAP163085	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP163120	UNALLOCATED	—	—	C	Limited	0	—
TAP167208	UNALLOCATED	—	—	D	Minimal	0	—
TAP167209	UNALLOCATED	—	—	D	Minimal	0	—
TAP167210	UNALLOCATED	—	—	D	Minimal	0	—
TAP167211	UNALLOCATED	—	—	D	Minimal	0	—
TAP167385	UNALLOCATED	—	—	D	Minimal	0	—
TAP167572	UNALLOCATED	—	—	C	Limited	0	—
TAP167573	UNALLOCATED	—	—	C	Minimal	1	401
TAP169241	UNALLOCATED	—	—	D	Minimal	0	—
TAP169246	UNALLOCATED	—	—	C	Limited	0	—
TAP169247	UNALLOCATED	—	—	C	Limited	0	—
TAP169252	UNALLOCATED	—	—	C	Limited	0	—
TAP169260	UNALLOCATED	—	—	C	Limited	0	—
TAP169261	UNALLOCATED	—	—	C	Limited	0	—
TAP169268	UNALLOCATED	—	—	C	Limited	0	—
TAP169269	UNALLOCATED	—	—	C	Limited	0	—
TAP169270	UNALLOCATED	—	—	C	Limited	0	—
TAP169271	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP169276	UNALLOCATED	—	—	D	Minimal	0	—
TAP169357	UNALLOCATED	—	—	C	Limited	0	—
TAP169374	UNALLOCATED	—	—	D	Minimal	0	—
TAP169377	UNALLOCATED	—	—	D	Minimal	0	—
TAP169386	UNALLOCATED	—	—	C	Limited	0	—
TAP169387	UNALLOCATED	—	—	C	Limited	0	—
TAP169396	UNALLOCATED	—	—	D	Minimal	0	—
TAP169398	UNALLOCATED	—	—	D	Minimal	0	—
TAP169428	UNALLOCATED	—	—	D	Minimal	0	—
TAP169429	UNALLOCATED	—	—	D	Minimal	0	—
TAP169430	UNALLOCATED	—	—	D	Minimal	0	—
TAP169432	UNALLOCATED	—	—	C	Limited	0	—
TAP169540	UNALLOCATED	—	—	D	Minimal	0	—
TAP169660	UNALLOCATED	—	—	C	Limited	0	—
TAP169700	UNALLOCATED	—	—	C	Limited	0	—
TAP169868	UNALLOCATED	—	—	D	Minimal	0	—
TAP169870	UNALLOCATED	—	—	D	Minimal	0	—
TAP169872	UNALLOCATED	—	—	D	Minimal	4	200

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP169944	UNALLOCATED	—	—	D	Minimal	0	—
TAP169948	UNALLOCATED	—	—	D	Minimal	0	—
TAP169949	UNALLOCATED	—	—	D	Minimal	0	—
TAP170344	UNALLOCATED	—	—	D	Minimal	0	—
TAP171326	UNALLOCATED	—	—	C	Moderate	0	—
TAP171444	UNALLOCATED	—	—	D	Minimal	0	—
TAP171465	UNALLOCATED	—	—	D	Minimal	0	—
TAP171510	UNALLOCATED	—	—	D	Minimal	0	—
TAP171533	UNALLOCATED	—	—	D	Minimal	0	—
TAP171534	UNALLOCATED	—	—	D	Minimal	0	—
TAP171708	UNALLOCATED	—	—	C	Limited	1	50
TAP171745	UNALLOCATED	—	—	D	Minimal	0	—
TAP171746	UNALLOCATED	—	—	D	Minimal	0	—
TAP171906	UNALLOCATED	—	—	D	Minimal	0	—
TAP171971	UNALLOCATED	—	—	D	Minimal	0	—
TAP171973	UNALLOCATED	—	—	D	Minimal	0	—
TAP172010	UNALLOCATED	—	—	D	Minimal	0	—
TAP172438	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP172442	UNALLOCATED	—	—	D	Minimal	0	—
TAP172453	UNALLOCATED	—	—	C	Limited	0	—
TAP172527	UNALLOCATED	—	—	D	Minimal	0	—
TAP172533	UNALLOCATED	—	—	D	Minimal	0	—
TAP172534	UNALLOCATED	—	—	D	Minimal	0	—
TAP172572	UNALLOCATED	—	—	D	Minimal	0	—
TAP173192	UNALLOCATED	—	—	D	Minimal	0	—
TAP173195	UNALLOCATED	—	—	D	Minimal	0	—
TAP173562	UNALLOCATED	—	—	D	Minimal	0	—
TAP173563	UNALLOCATED	—	—	D	Minimal	0	—
TAP173564	UNALLOCATED	—	—	D	Minimal	0	—
TAP173626	UNALLOCATED	—	—	C	Limited	0	—
TAZEWELL	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAZEWELL	UNALLOCATED	—	—	D	Minimal	0	—
TEKOPPEL	UNALLOCATED	—	—	D	Minimal	0	—
TERRY	UNALLOCATED	—	—	D	Minimal	0	—
TEXAS EASTERN 5	UNALLOCATED	—	—	C	Limited	0	—
THAYER	UNALLOCATED	—	—	D	Minimal	0	—
THAYER ROAD	UNALLOCATED	—	—	D	Minimal	0	—
THELMA (AEP)	UNALLOCATED	—	—	D	Minimal	0	—
THELMA (EKPC)	UNALLOCATED	—	—	D	Minimal	0	—
THOMPSON	UNALLOCATED	—	—	C	Limited	0	—
THORNTOWN	UNALLOCATED	—	—	C	Limited	0	—
THOROFARE	UNALLOCATED	—	—	D	Minimal	0	—
TILLMAN	UNALLOCATED	—	—	D	Minimal	0	—
TIMBER SWITCH	UNALLOCATED	—	—	D	Minimal	0	—
TIPTON WEST	UNALLOCATED	—	—	D	Minimal	0	—
TOANO	UNALLOCATED	—	—	D	Minimal	0	—
TOLL ROAD	UNALLOCATED	—	—	D	Minimal	0	—
TOM WATKINS	UNALLOCATED	—	—	D	Minimal	0	—
TOMPKINS	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TOMPKINSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
TOMPKINSVILLE PS	UNALLOCATED	—	—	D	Minimal	0	—
TOPMOST	UNALLOCATED	—	—	D	Minimal	0	—
TOWER ROAD	UNALLOCATED	—	—	D	Minimal	0	—
TRACY	UNALLOCATED	—	—	A	Moderate	0	—
TRENTON	UNALLOCATED	—	—	D	Minimal	0	—
TRIER	UNALLOCATED	—	—	C	Limited	0	—
TRIMBLE COUNTY STATION	UNALLOCATED	—	—	D	Minimal	0	—
TURKEY CREEK	UNALLOCATED	—	—	D	Minimal	0	—
TURKEY HILL	UNALLOCATED	—	—	D	Minimal	0	—
TURKEY PEN	UNALLOCATED	—	—	D	Minimal	0	—
TWIN BRANCH (138 KV)	UNALLOCATED	—	—	C	Limited	0	—
TWIN BRANCH (345 KV)	UNALLOCATED	—	—	C	Limited	0	—
UNIOIN STATION	UNALLOCATED	—	—	C	Minimal	0	—
UNIVERSITY	UNALLOCATED	—	—	C	Limited	0	—
UPPER PITTSBURGH	UNALLOCATED	—	—	C	Limited	0	—
VALLEY	UNALLOCATED	—	—	D	Minimal	0	—
VAN BUREN	UNALLOCATED	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
VERGENNES	UNALLOCATED	—	—	D	Minimal	0	—
VERONA	UNALLOCATED	—	—	D	Minimal	0	—
VICCO	UNALLOCATED	—	—	D	Minimal	0	—
VICKSBURG	UNALLOCATED	—	—	C	Limited	0	—
WABASH	UNALLOCATED	—	—	D	Minimal	0	—
WADESVILLE	UNALLOCATED	—	—	D	Minimal	0	—
WALKERSVILLE	UNALLOCATED	—	—	C	Limited	0	—
WALTON	UNALLOCATED	—	—	D	Minimal	0	—
WARFORDSBURG	UNALLOCATED	—	—	D	Minimal	0	—
WASHINGTON	UNALLOCATED	—	—	A	Moderate	0	—
WASHINGTON AVENUE	UNALLOCATED	—	—	C	Limited	0	—
WASHINGTON MUNICIPAL 10TH ST	UNALLOCATED	—	—	D	Minimal	0	—
WATERVILLE	UNALLOCATED	—	—	A	Moderate	0	—
WAYMAN	UNALLOCATED	—	—	D	Minimal	0	—
WAYNE	UNALLOCATED	—	—	D	Minimal	0	—
WAYNE	UNALLOCATED	—	—	D	Minimal	0	—
WAYNE	UNALLOCATED	—	—	D	Minimal	0	—
WAYNE TRACE	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WAYNEDEALE	UNALLOCATED	—	—	C	Limited	0	—
WAYNESBORO	UNALLOCATED	—	—	D	Minimal	0	—
WEEDS LAKE	UNALLOCATED	—	—	D	Minimal	0	—
WELCH	UNALLOCATED	—	—	D	Minimal	0	—
WEST BASSETT	UNALLOCATED	—	—	D	Minimal	0	—
WEST LAFAYETTE CUMBERLAND AVENUE SUBSTATION	UNALLOCATED	—	—	D	Minimal	0	—
WEST LAFAYETTE SUBSTATION	UNALLOCATED	—	—	D	Minimal	0	—
WEST MILERSBURG	UNALLOCATED	—	—	D	Minimal	0	—
WEST MILLERSBURG	UNALLOCATED	—	—	D	Minimal	0	—
WEST MOULTON	UNALLOCATED	—	—	D	Minimal	0	—
WEST MOUNT VERNON	UNALLOCATED	—	—	D	Minimal	0	—
WEST PAINTSVILLE	UNALLOCATED	—	—	D	Minimal	0	—
WEST RUN	UNALLOCATED	—	—	D	Minimal	0	—
WESTOVER	UNALLOCATED	—	—	C	Limited	0	—
WESTRAVER	UNALLOCATED	—	—	D	Minimal	0	—
WHEATLAND STATION	UNALLOCATED	—	—	D	Minimal	0	—
WHITESTONE BRANCH	UNALLOCATED	—	—	D	Minimal	0	—
WHITESTOWN	UNALLOCATED	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WINCHESTER	UNALLOCATED	—	—	C	Limited	0	—
WINDSOR	UNALLOCATED	—	—	D	Minimal	1	70
WINFALL	UNALLOCATED	—	—	D	Minimal	0	—
WIXOM	UNALLOCATED	—	—	D	Minimal	0	—
WOLF CREEK	UNALLOCATED	—	—	D	Minimal	0	—
WOODBURN	UNALLOCATED	—	—	D	Minimal	0	—
WOODS DP	UNALLOCATED	—	—	C	Limited	0	—
WOODSTOWN	UNALLOCATED	—	—	C	Limited	0	—
WOOTON	UNALLOCATED	—	—	C	Limited	0	—
WORTHINGTON PRIMARY SUBSTATION	UNALLOCATED	—	—	D	Minimal	0	—
WYLIE RIDGE	UNALLOCATED	—	—	C	Limited	0	—
WYOMING	UNALLOCATED	—	—	D	Minimal	0	—
YEAGERTOWN	UNALLOCATED	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
YELLOW MOUNTAIN	UNALLOCATED	—	—	C	Limited	0	—
YOST BRIDGE	UNALLOCATED	—	—	C	Limited	0	—
YOUNGWOOD	UNALLOCATED	—	—	D	Minimal	0	—
YUKON	UNALLOCATED	—	—	D	Minimal	0	—
ZEBRA	UNALLOCATED	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VIII: Regulatory, Policy & Permitting Landscape

The expansion of large continuous loads across the PJM Interconnection is governed by an interlocking framework of federal regulations under FERC, regional transmission organization market rules, and state utility commission proceedings across 13 states (notably the Virginia State Corporation Commission, Public Utilities Commission of Ohio, and Pennsylvania Public Utility Commission).

Key Regulatory & Policy Directives

FERC Order 2023 & PJM Order 2023-A: Replaces serial queue processing with a first-ready, first-served cluster study framework. Imposes strict readiness deposits (\$4,000/MW), site control requirements (90–100%), and non-refundable commercial withdrawal penalties to eliminate speculative filings and clear the multi-year queue backlog.

Virginia SCC Data Center & IRP Oversight (Case PUR-2024-00101): Reviews Dominion Energy Virginia's long-range integrated resource plans as Northern Virginia data center demand is projected to add over 10 GW of peak demand. Evaluates accelerated 500 kV transmission lines, substation siting approvals, and retail tariff rate design protections for residential ratepayers.

PJM Capacity Market (BRA) Reforms & Reliability Rules: Following historic capacity clearing price spikes (\$269.92/MW-day RTO-wide), FERC and PJM are reforming Effective Load Carrying Capability (ELCC) accreditations, winter weatherization standards, and co-located load rules (FERC Docket EL24-118 / Susquehanna nuclear co-location).

Key Regulatory Dockets & Commission Proceedings

Case / Docket	Filing Utility / Entity	Document Title	Filing Date
FERC ER24-99	PJM Interconnection	Order 2023 Compliance & Interconnection Queue Cluster Study Tariff Ref	2025-04-15
FERC EL24-118	PJM / Talen Energy	Co-Located Large Load Interconnection Jurisdictional Proceeding (Susqu	2025-03-20
VA PUR-2024-00101	Dominion Energy VA	2024 Integrated Resource Plan: Northern Virginia Data Center Peak Addi	2024-10-15
PUCO 24-0550-EL	AEP Ohio	Application for Large Load Data Center Tariff & Take-or-Pay Collateral	2024-08-28
NJ BPU EO24020112	NJ Board of Public Util.	Clean Energy Grid Modernization & Data Center Infrastructure Inquiry	2024-11-12
FERC ER24-1786	PJM Interconnection	Base Residual Auction (BRA) Capacity Market Parameter Refinements	2025-05-02

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part IX: Methodological Architecture & Complete Source Registry

AixEnergy's analytical architecture scores commercial energization probability through an additive, bounded linear combination of independent empirical feature families, coupled with an S-curve lead-time distribution:

$$P(\text{eventual}) = \text{clamp}(\text{base_rate} + \sum(w_i * f_i), 0.05, 0.95)$$

Base Realization Probability	35%
Active Feature Families	12 independent evidence families
Critical Path Timing S-Curves	Parametric sigmoid based on primary identified constraint
Load Realization Bounds	[0.35, 1.0]
Lead Model Architect	Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens
Institutional Platform	AixEnergy Large Load Monitor (monitor.aixenergy.io)

9.1 Authoritative Registered Source Register

Source ID	Publishing Organization	Dataset Name	Coverage	Authority	Classification
pjm_queue	PJM Interconnection	PJM Interconnection Queue (Data Miner 2 and p	PJM (13 states + DC)	Yes	critical

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

DATA PROVENANCE & TAXONOMY • Primary Source Ingestion: Continuous indexing across PJM Interconnection (PJM) queues, utility hosting capacity maps, regulatory dockets, EIA-860/923, and EPA CAMD. • 22 Industrial Load Personas: Standardized hourly curves for AI Clusters, Hyperscale Cloud, Semiconductor Fabs, Battery Gigafactories, and Hydrogen Electrolysis. • Substation Voltage Tiering: Multi-stage normalization resolving Bulk Grid (>=230kV), Transmission (69-229kV), and Distribution (<69kV) nodes.	PRIMARY INSTITUTIONAL USE CASES • Management & Energy Consultancies: Accelerate large load due diligence screen substation headroom, and quantify transmission cost exposure. • Hyperscalers & Project Developers: Identify high-capacity interconnection corridors, evaluate BYOG storage trade-offs, and monitor docket reforms. • Transmission Planners & Utilities: Integrate bottom-up large load growth scenarios directly into PLEXOS, Aurora, and EnCompass models.
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Platform Verification & Access: Explore the live database at [monitor.aixenergy.io](#) • Direct Inquiries: Brandon Owens • bowens@aixenergy.io