SUBSTATION SCOUT

Site Scanner

40.238683, -75.574584

Report ID e8ea735c-1323-4c3a-941e-46616d8cf7b7 Created 2026-11-22T15:55:56.936Z

1 FRANCHISE UTILITY

PECO ENERGY CO

provisional — near boundary

> **Close to a service-territory boundary.** This point is 0.29 mi from the nearest franchise boundary (METROPOLITAN EDISON CO). One territory polygon contains it, and that utility is named above — but the source polygons are digitized from utility-supplied maps rather than survey data, and within this band they may not be accurate enough to confirm the serving utility. The nearest other territory is **METROPOLITAN EDISON CO**, which may serve this point instead. Confirm directly with the utility or the state commission before relying on this field.

Ownership type	INVESTOR OWNED
Regulated	REGULATED
Holding company	EXELON CORP
Control area	PJM
Customers	1,691,292
Data year	2022

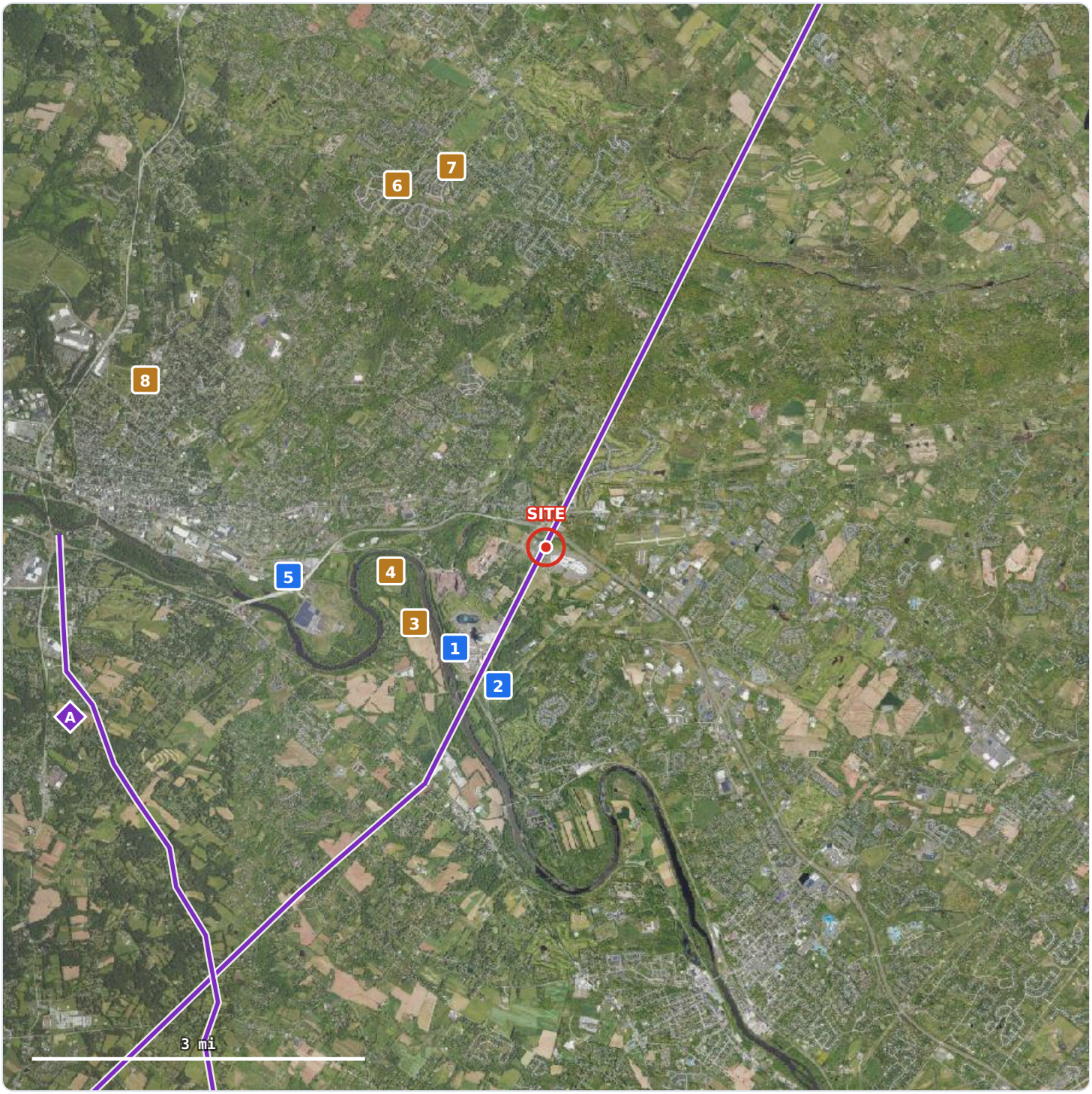
Source: HIFLD/EIA Electric Retail Service Territories (public ArcGIS mirror) · source date 2023-08-01
https://services3.arcgis.com/OYP7N6mAJJCyH6hd/arcgis/rest/services/Electric_Retail_Service_Territories_HIFLD/FeatureServer/0

2 NEAREST HIGH-VOLTAGE INFRASTRUCTURE

#	DISTANCE	VOLTAGE	LINES	NAME	FACILITY TYPE
1	**1.22** mi	230 kV	4	LIMERICK (230KV SUB) † ‡ EAST COVENTRY TWP, PA	utility substation
2	**1.32** mi	500 kV	4	LIMERICK (500KV SUB) † ‡ ROYERSFORD, PA	utility substation
3	**1.36** mi	*not recorded*	*n/r*	*unnamed in source data* * ROYERSFORD, PA	unattributed facility
4	**1.41** mi	230 kV	2	*unnamed in source data* * EAST COVENTRY TWP, PA	unidentified terminal facility

#	DISTANCE	VOLTAGE	LINES	NAME	FACILITY TYPE
5	**2.33** mi	*not recorded*	3	MOSER GENERATING STATION LOWER POTTSGROVE TWP, PA	utility substation
6	**3.53** mi	*not recorded*	1	*unnamed in source data* ***** POTTSTOWN, PA	unidentified terminal facility
7	**3.53** mi	*not recorded*	2	*line tap point* ***** POTTSTOWN, PA	line tap point
8	**3.91** mi	*not recorded*	*n/r*	*unnamed in source data* ***** POTTSTOWN, PA	unattributed facility

n/r = not recorded in source data · search radius 10 miles



1 LIMERICK (230KV SUB) · 1.22 mi · 230 kV †

2 LIMERICK (500KV SUB) · 1.32 mi · 500 kV †

3 unnamed record · 1.36 mi · kV n/r

4 unnamed record · 1.41 mi · 230 kV

5 MOSER GENERATING STATION · 2.33 mi · kV n/r

6 unnamed record · 3.53 mi · kV n/r

7 unnamed record · 3.53 mi · kV n/r

8 unnamed record · 3.91 mi · kV n/r

A Receipt/delivery point · PHILADELPHIA ELEC MP 1747.4 · 4.55 mi

Interstate gas pipeline ◆ Gas facility (natural gas section)

Aerial imagery: USDA NAIP imagery via USGS The National Map — Public domain (USDA/USGS), retrieved 2026-10-19. Gas pipelines: EIA Natural Gas Interstate and Intrastate Pipelines (Esri Living Atlas copy), layer last edited 2025-12-04 — mapped approximations at varying scale, not

positions are the source dataset's own coordinates; where records coincide, markers are separated slightly so each stays visible. Distances in the key are measured, not scaled off this drawing. Not a survey.

*** Not necessarily an interconnection point.**

- **unattributed facility** — The source dataset records no name, no voltage, and no line count for this facility — it was observed but not identified. Utility-owned assets are generally documented in public filings and system maps; customer-owned on-site substations typically are not. Treat this as likely private until verified.
- **unidentified terminal facility** — Unnamed in the source data with 2 transmission line connections. Radial topology of this kind is consistent with a customer-owned on-site substation, a private industrial service, or a small distribution tap. Ownership is not recorded in HIFLD; verify before treating this as a utility asset.
- **line tap point** — Named TAP<id> in the source data — a junction on a transmission line rather than a load-serving substation. Not normally an interconnection point.

† Publicly-available interconnection queue data for this substation is appended to the bottom of this report.

‡ PJM transmission planning materials name a substation of this name; the entries are appended to the bottom of this report.

- Distances are straight-line (haversine), **not** engineering route length.
- HIFLD does not record substation ownership. Proximity does not imply availability — a nearby facility may be a customer-owned on-site substation serving an adjacent property.
- 5 of 8 substations listed have no voltage recorded in the source dataset. Absence of a voltage is not evidence of low voltage.
- 5 of 8 carry a placeholder name in the source dataset.

Source: HIFLD Electric Substations (Oregon Explorer / OSU 2022 mirror)
`https://services1.arcgis.com/CD5mKowwN6nIaqd8/arcgis/rest/services/project_renewable_us_substations_2022/FeatureServer/10`

ALSO MAPPED IN OPENSTREETMAP

Substations at 69 kV and up within 10 miles that OpenStreetMap maps and the HIFLD dataset above does not. These are often yards built since HIFLD's snapshot. A yard is listed only when no HIFLD point lies inside its mapped outline or within 500 feet of it (0.3 mile for a yard mapped only as a point), and none of the same name within a mile; the list above is unchanged by this table.

#	DISTANCE	VOLTAGE (KV)	NAME	OPERATOR, AS TAGGED	TYPE, AS TAGGED
1	5.30 mi	69	Middle Creek Substation way 1249938398	Met-Ed	minor_distribution
2	6.32 mi	69	*unnamed* way 1251763422	PECO	transition

#	DISTANCE	VOLTAGE (KV)	NAME	OPERATOR, AS TAGGED	TYPE, AS TAGGED
3	7.25 mi	69	*unnamed* way 1249949240	Met-Ed	minor_distribution
4	9.01 mi	69	Pine Lane Substation way 1250872373	Met-Ed	minor_distribution

n/r = not tagged in OpenStreetMap · distance to the mapped outline

- OpenStreetMap is mapped by volunteers. Coverage varies by area, and name, operator, voltage and type are as tagged, not verified. It records no owner and no in-service date.
- "Industrial" usually marks a customer-owned yard. Proximity does not imply availability.

Source: OpenStreetMap, © OpenStreetMap contributors (ODbL 1.0) · data as of 2026-11-20
https://www.openstreetmap.org/copyright

3 NATURAL GAS INFRASTRUCTURE

Mapped gas transmission pipelines and pipeline facilities near this point, from public EIA and HIFLD datasets. The map below is scaled to the gas network; pipelines within its frame are also drawn on the site map in section 2.

Gas distribution company

PECO ENERGY CO mapped territory

Gas local distribution company whose mapped service territory contains this point · investor-owned · 514,152 customers as recorded. Polygons in this layer are often county- or town-shaped approximations.

Transmission pipelines within 25 miles

DISTANCE	OPERATOR (AS RECORDED)	TYPE	STATUS
0.01 mi	Columbia Gas Trans Co	Interstate	Operating
4.33 mi	Transcontinental Gas PL	Interstate	Operating
6.55 mi	Texas Eastern Trans Co	Interstate	Operating
11.21 mi	Birdsboro Pipeline	Intrastate	Operating

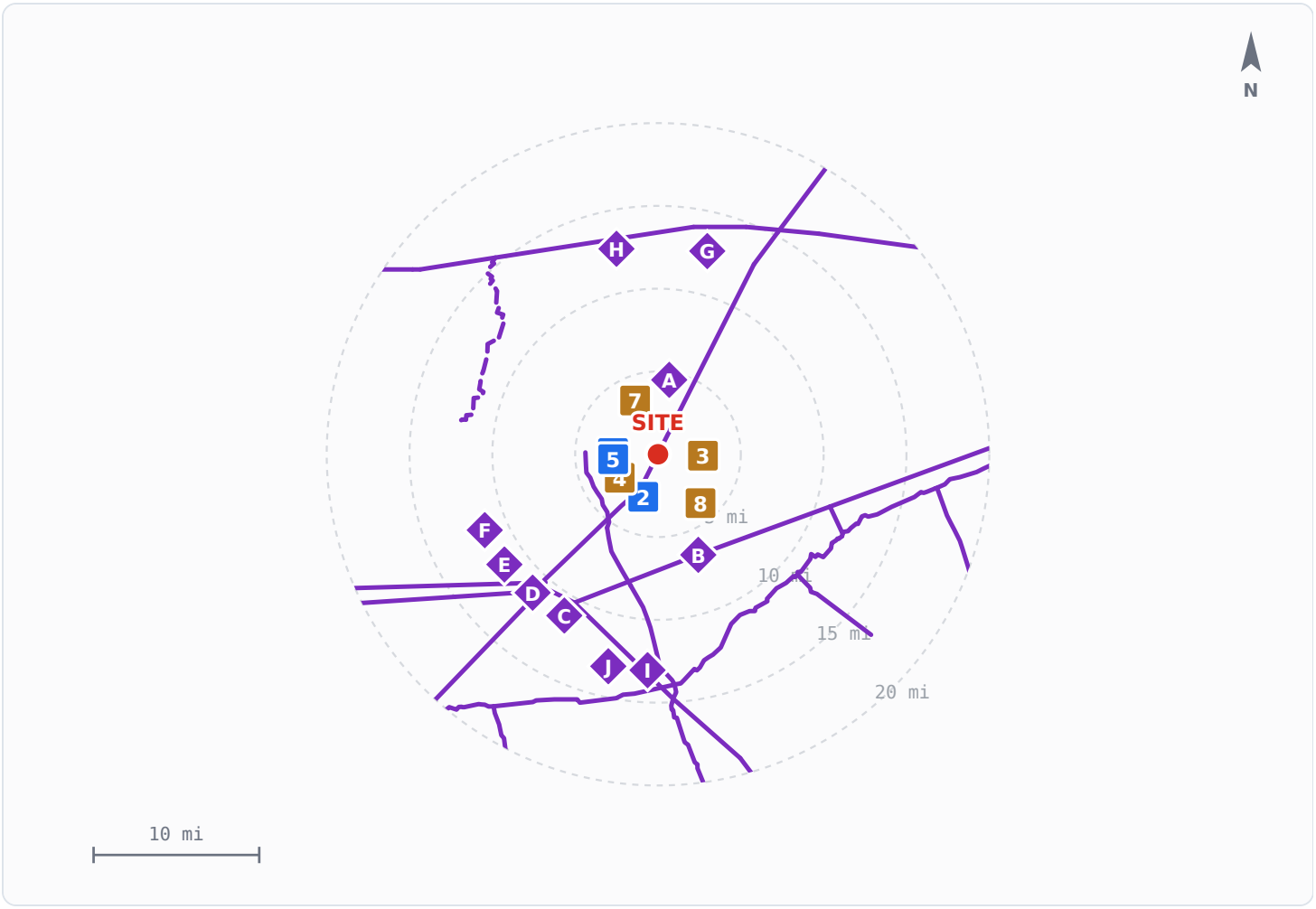
One row per operator and type: the nearest point of that operator's mapped line. 4 within 25 mi.

Pipeline facilities within 15 miles

MAP	DISTANCE	FACILITY	NAME	OPERATOR	SOURCE DATE
A	**4.55** mi	Receipt/delivery point	PHILADELPHIA ELEC MP 1747.4 KENILWORTH, PA	TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC delivery location	2015-03-01

MAP	DISTANCE	FACILITY	NAME	OPERATOR	SOURCE DATE
B	**6.55** mi	Receipt/delivery point	W&T OFFSHORE, INC - MP 102, LA W&T, PA	TEXAS EASTERN TRANSMISSION receipt location	2015-03-04
C	**11.28** mi	Receipt/delivery point	UGI CORP-23 LUDWIGS CORNER, PA	COLUMBIA GAS TRANSMISSION delivery location	2015-03-02
D	**11.29** mi	Compressor station	EAGLE EAGLE, PA	COLUMBIA GAS TRANSMISSION,LLC 8,050 certificated hp	2015-09-29
E	**11.42** mi	Receipt/delivery point	PECO - EAGLE, CHESTER CO., PA. (DEL) EAGLE, PA	TEXAS EASTERN TRANSMISSION delivery location	2015-03-04
F	**11.43** mi	Compressor station	PHOENIXVILLE CHESTER SPRINGS, PA	TEXAS EASTERN TRANSMISSION, LP 4,000 certificated hp	2015-08-31
G	**12.63** mi	Receipt/delivery point	PECO ENERGY - E. GREENVILLE, PA EAST GREENVILLE, PA	TEXAS EASTERN TRANSMISSION delivery location	2015-03-04
H	**12.66** mi	Compressor station	BECHTELSVILLE BARTO, PA	TEXAS EASTERN TRANSMISSION, LP 33,500 certificated hp	2015-09-01
I	**13.06** mi	Receipt/delivery point	UGI MP 113.49 FRAZER, PA	TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC delivery location	2015-03-01
J	**13.16** mi	Compressor station	NO. 200 MALVERN MALVERN, PA	TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC 30,860 certificated hp	2015-08-25

Within 15 mi, nearest first. Letters match the gas map below. 1 more within 15 mi not shown (10-row limit).



Interstate gas pipeline Intrastate gas pipeline Gas facility (natural gas section)

Pipelines: EIA Natural Gas Interstate and Intrastate Pipelines (Esri Living Atlas copy), layer last edited 2025-12-04. Facilities: HIFLD Open snapshot. Lines are mapped approximations at varying scale, not surveyed routes and not a locate. Lettered diamonds match the facility table above; numbered squares are the section 2 substations. Distances in the tables are measured, not scaled off this drawing.

- Distances are straight-line to the mapped line or point. EIA compiles the pipeline layer from many sources at varying scale and accuracy: it is not a surveyed route and not a locate. Call 811 before any ground disturbance.
- **Proximity to a transmission pipeline is not access to gas.** Taking service needs a tap or delivery point, capacity on the line and the operator's agreement. None of these is recorded in these datasets, and the pipeline layer records no diameter, pressure or capacity.
- Facility records are a HIFLD Open snapshot (source dates on the rows above: 2015). Facilities built or retired since are not reflected.
- Receipt/delivery points are where gas enters or leaves an interstate pipeline. They are not retail service points, and many carry duplicate records at one location.

Sources: EIA Natural Gas Interstate and Intrastate Pipelines (Esri Living Atlas copy) · layer last edited 2025-12-04; HIFLD Natural Gas Compressor Stations (2021 HIFLD Open mirror) and companion HIFLD layers (see section 7).
`https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/Natural_Gas_Interstate_and_Intrastate_Pipelines_1/FeatureServer/0`

4 SITE CONTEXT

WATERSHED

Schuylkill

HUC-8 02040203

Source: USGS Watershed Boundary Dataset (WBD) · retrieved 2026-09-22
`https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4`

FEMA FLOOD ZONE

Zone X not in SFHA

AREA OF MINIMAL FLOOD HAZARD
Outside the 0.2% annual chance floodplain (minimal hazard)
FIRM panel 42091C
Parcel centroid only — a single point, not the whole site.

Source: FEMA National Flood Hazard Layer (NFHL) · retrieved 2026-09-22
`https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28`

LOCAL MORATORIA

None recorded for these jurisdictions

Census places this point in Montgomery County · Limerick township. This dataset tracks moratoria only — not project proposals, planning-commission reviews, or permanent zoning rules — so active local debate over a specific project will not appear here.
2 other instruments recorded within 25 miles (2 active or extended), measured to jurisdiction centroids.
Recorded is not the same as applicable, and the dataset is a lower bound: an absence here is not evidence that no moratorium exists. Detail and scope caveats: Appendix B.

Source: Moratorium Data 2026 (Bommarito) — local moratorium inventory · current through 2026-09-23
`https://github.com/mjbommar/moratorium-data-2026`

5 DATA COMPLETENESS

6 of 6 expected fields resolved

Resolved: location, franchiseUtility, nearestSubstation, substationVoltage, watershed, floodZone

> Franchise utility is provisional: this point is 0.29 mi from the nearest service-territory boundary, inside the 1-mile band where the source polygons may not be accurate enough to confirm a single holder. The named utility is the containing polygon, not a verified determination; METROPOLITAN EDISON CO may serve this point instead — confirm with the utility or the state commission.

> 4 of 8 nearby substations are unnamed in the source data.

6 WHAT THIS REPORT DOES NOT TELL YOU

- Available load capacity at any substation. No utility publishes this for large loads; this report is a screening aid, not a system impact study.
- Interconnection cost or timeline for a specific project.
- Zoning approval likelihood.
- Queue activity beyond the dataset. Appendix A lists each substation above with the result of an exact name and county check against the queue dataset; a substation no filing names may still have activity the dataset does not record. Visit the Queue Wire for further research.
- What any planned transmission project will do for this site, or what a substation can serve. Appendix C reproduces what PJM planning documents print about substations of the same name; it is a name match, not a verified facility. The expansion tracker covers PJM planning materials and ERCOT's transmission project tracking workbook.
- Substations built or planned since the substation dataset was compiled. PJM planning documents name a zone rather than a county, so a new PJM substation is listed only once it has been located from other public sources.
- Whether a local moratorium covers this site. Instruments recorded for the jurisdictions containing the point are listed in Appendix B, but their scope is set by their own text, which this report does not read.
- The utility's terms for large customers. No large-load tariff is on record for the named utility; the records cover a hand-verified set of utilities, not all of them, so this is not evidence that none exists.
- Whether natural gas service is available here, or the capacity, pressure, tap or lateral cost of any pipeline listed. The gas datasets record where facilities are mapped, not what they can deliver.
- Transmission line proximity — substations only.
- Whether a substation is physically accessible, expandable, or has available bay positions.

This report is built to **rule out sites with no nearby transmission infrastructure**. A site with nothing in range is a defensible elimination. The reverse does not hold: proximity to the facilities listed above is not access to power, and nothing here establishes that a connection is available, affordable or achievable on any schedule.

7 SOURCES AND DATA VINTAGE

SUBSTATIONS

HIFLD Electric Substations (Oregon Explorer / OSU 2022 mirror)

`https://services1.arcgis.com/CD5mKowwN6nIaqd8/arcgis/rest/services/project_renewable_us_substations_2022/FeatureServer/10`

Publisher vintage 2022-06-03 · ingested 2026-08-30 · 78,373 records · None (Public Use) — HIFLD Open

FRANCHISE TERRITORIES

HIFLD/EIA Electric Retail Service Territories (public ArcGIS mirror)

`https://services3.arcgis.com/OYP7N6mAJJCyH6hd/arcgis/rest/services/Electric_Retail_Service_Territories_HIFLD/FeatureServer/0`

Publisher vintage 2023-08-01 · ingested 2026-08-30 · 2,845 records · HIFLD Open / EIA-861 derived (public-use US Government data)

WATERSHED

USGS Watershed Boundary Dataset (WBD)

`https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4`

Retrieved 2026-09-22 · Public domain (USGS/USDA-NRCS)

FLOOD HAZARD

FEMA National Flood Hazard Layer (NFHL)

`https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28`

Retrieved 2026-09-22 · Public domain (FEMA)

LOCAL MORATORIA

Moratorium Data 2026 (Bommarito) — local moratorium inventory

`https://github.com/mjbommar/moratorium-data-2026`

Publisher vintage 2026-09-23 (commit dbaab04d84f8) · ingested 2026-10-04 · 1,291 records · CC-BY-4.0 (data) — attribution: Bommarito, Michael J. (2026), Moratorium Nation

JURISDICTIONS

US Census Bureau Geocoding Services — geographies by coordinates

`https://geocoding.geo.census.gov/geocoder/geographies/coordinates`

Retrieved 2026-10-04 · Public domain (US Government work)

ALSO MAPPED IN OPENSTREETMAP

OpenStreetMap substations (power=substation), © OpenStreetMap contributors

`https://www.openstreetmap.org/copyright`

OSM data as of 2026-11-20 · built 2026-11-21 · Open Database License 1.0. The substation layer derived from it (OSM yards at 69 kV and up with no HIFLD point at or near their outline) is available under the same license on request.

GAS PIPELINES

EIA Natural Gas Interstate and Intrastate Pipelines (Esri Living Atlas copy)

`https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/Natural_Gas_Interstate_and_Intrastate_Pipelines_1/FeatureServer/0`

Publisher vintage 2025-12-04 · ingested 2026-10-16 · 32,850 records · Public domain (US Government work — U.S. Energy Information Administration)

GAS COMPRESSOR STATIONS

HIFLD Natural Gas Compressor Stations (2021 HIFLD Open mirror)

`https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Natural_Gas_Compressor_Stations/FeatureServer/0`

Publisher vintage 2020-05-07 · ingested 2026-10-16 · 1,382 records · None (Public Use) — HIFLD Open

GAS RECEIPT/DELIVERY POINTS

HIFLD Natural Gas Receipt/Delivery Points (2021 HIFLD Open mirror)

`https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Natural_Gas_Receipt_Delivery_Points/FeatureServer/0`

Publisher vintage 2016-01-15 · ingested 2026-10-16 · 9,476 records · None (Public Use) — HIFLD Open

GAS STORAGE FACILITIES

HIFLD Natural Gas Storage Facilities (2021 HIFLD Open mirror)

`https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Natural_Gas_Storage_Facilities/FeatureServer/0`

Publisher vintage 2018-12-01 · ingested 2026-10-16 · 416 records · None (Public Use) — HIFLD Open

GAS PROCESSING PLANTS

HIFLD Natural Gas Processing Plants (2021 HIFLD Open mirror)

`https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Natural_Gas_Processing_Plants/FeatureServer/0`

Publisher vintage 2019-01-01 · ingested 2026-10-16 · 670 records · None (Public Use) — HIFLD Open

GAS DISTRIBUTION TERRITORIES

HIFLD Natural Gas Local Distribution Company Service Territories (2021 HIFLD Open mirror)

`https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Natural_Gas_Local_Distribution_Company_Service_Territories/FeatureServer/0`

Publisher vintage 2017-12-31 · ingested 2026-10-16 · 1,290 records · None (Public Use) — HIFLD Open

LARGE-LOAD TARIFFS

Substation Scout large-load tariff records (state commission filings)

`https://substationscout.com/large-load-tariffs/`

8 records · documents retrieved 2026-10-20 · exported 2026-10-22

EXPANSION TRACKER (ERCOT)

ERCOT, Transmission Project and Information Tracking (TPIT), compiled from Transmission Service Provider submissions

`https://substationscout.com/substation-tracker/ercot/`

Data as of 2026-10-01 · 39 releases read · retrieved 2026-10-26 · exported 2026-11-21

EXPANSION TRACKER

PJM Interconnection, L.L.C. — TEAC and Sub-Regional RTEP Committee meeting materials, pjm.com

`https://substationscout.com/substation-tracker/`

Documents dated 2024-10-08 to 2026-11-13 · 664 documents · exported 2026-11-21

Screening aid, not an engineering study. This report helps prioritize sites before committing to engineering due diligence. It is not a system impact study and carries no warranty. Underlying public datasets are published on their own schedules and may have changed since the retrieval dates shown above. Every figure in this report is reproducible from the cited sources; nothing is estimated, modelled, or generated.

A APPENDIX — INTERCONNECTION QUEUE DATA

Each substation in section 2 checked against publicly-filed interconnection requests, followed by the requests recorded at substations that are an exact name and county match. Listed for convenience only: no relationship to your site is implied, and no conclusion should be drawn from the presence or absence of any project. Withdrawn, cancelled and otherwise terminal requests are included, and are listed after active ones.

> **These are name matches, not verified substation identities.** Neither dataset publishes a shared identifier between HIFLD substations and ISO queue records. Confirm any row against the ISO before relying on it.

Substations checked

#	SUBSTATION (SECTION 2)	QUEUE CHECK
1	LIMERICK (230KV SUB) MONTGOMERY County, PA	**5 requests on file** — listed below
2	LIMERICK (500KV SUB) MONTGOMERY County, PA	**5 requests on file** — listed below
3	*unnamed in source data* MONTGOMERY County, PA	*Not checkable: the source dataset gives this substation a placeholder name.*
4	*unnamed in source data* CHESTER County, PA	*Not checkable: the source dataset gives this substation a placeholder name.*
5	MOSER GENERATING STATION MONTGOMERY County, PA	Checked. The PJM queue has filings in this county; none names this substation.
6	*unnamed in source data* MONTGOMERY County, PA	*Not checkable: the source dataset gives this substation a placeholder name.*
7	*line tap point* MONTGOMERY County, PA	*Not checkable: the source dataset gives this substation a placeholder name.*
8	*unnamed in source data* MONTGOMERY County, PA	*Not checkable: the source dataset gives this substation a placeholder name.*

A check looks for queue filings whose point of interconnection is the same substation name in the same county. “None names this substation” is a statement about the filings in this dataset only — not about activity, capacity or availability at the substation.

#1, #2 LIMERICK (230KV SUB) / LIMERICK (500KV SUB) — MONTGOMERY County, PA

Matched on substation name “LIMERICK” in MONTGOMERY County, PA. 2 records in section 2 are this substation in the source dataset; the requests below are listed once, not once per record. 5 requests on file (1 active, 4 terminal) · PJM

QUEUE ID	STATUS	TYPE	CAPACITY	VOLTAGE	TARGET COD	PROJECT
C01-1055	Active	Nuclear	348 MW	500 kV	2031-06-04	Limerick 500 kV

QUEUE ID	STATUS	TYPE	CAPACITY	VOLTAGE	TARGET COD	PROJECT
B12	Withdrawn	Natural Gas	500 MW	230 kV	*n/r*	Limerick 230kV
E17	Withdrawn	Natural Gas	75 MW	*n/r*	2003-12-01	Limerick
V1-026	Withdrawn	Nuclear	20 MW	*n/r*	2011-04-04	Limerick
V1-027	Withdrawn	Nuclear	20 MW	*n/r*	2011-04-01	Limerick

Source: GridPulse interconnection queue snapshot (PJM serial + cycle views, ERCOT GIS Report, BPA interconnection queue); MISO, NVE, LGE-KU, TVA, SOCO, APS, SPP, DUKE from the Berkeley Lab Queued Up annual file · snapshot taken 2026-11-21 · 22,273 requests · coverage APS, BPA, DUKE, ERCOT, LGE-KU, MISO, PJM, SOCO, SPP, TVA (44 states)
`https://www.pjm.com/planning/service-requests/services-request-status`

MISO, NVE, LGE-KU, TVA, SOCO, APS, SPP, DUKE: Berkeley Lab Queued Up: 2026 Edition interconnection queue data file · requests as of 2025-12-31, published 2026-05 · CC BY 4.0, Lawrence Berkeley National Laboratory and GridTracker (Interconnection.fyi), Queued Up interconnection queue data file, 2026 edition
`https://eta-publications.lbl.gov/publications/us-interconnection-queue-data-0`

- PJM, ERCOT and BPA are refreshed weekly; MISO, NVE, LGE-KU, TVA, SOCO, APS, SPP, DUKE rows are an annual snapshot (Berkeley Lab Queued Up file, requests as of 2025-12-31), so their status may have changed since. Absence of a project here is not evidence that no queue activity exists elsewhere.
- ERCOT GIS Reports are published monthly; ERCOT rows can lag the live queue by up to ~30 days.
- ERCOT omits the substation field on inactive and cancelled requests, so withdrawn projects can be listed for PJM but not for ERCOT.
- Substation strings are ISO free text extracted from point-of-interconnection fields, not a controlled vocabulary.
- BPA is the federal transmission provider for the Pacific Northwest and is not an RTO: its rows cover requests to interconnect to the Federal Columbia River Transmission System, not to Puget Sound Energy, Portland General, PacifiCorp or Avista systems.
- BPA point-of-interconnection strings sometimes name a transmission line rather than a substation; those rows cannot match a substation by name and are simply never attached.
- This snapshot contains GENERATION interconnection requests only. BPA large-LOAD requests are published separately in large-load-registry.json.

Further research: https://substationscout.com/queue-wire/

B APPENDIX — LOCAL MORATORIA

Local moratorium instruments — temporary pauses on accepting or approving certain development, most often data centers — as recorded in a third-party research dataset. Rows are reproduced as published; this report does not read the instruments themselves. This dataset tracks moratoria only — not project proposals, planning-commission reviews, or permanent zoning rules — so active local debate over a specific project will not appear here.

> **A recorded instrument is not a determination that this site is covered.** Which applications, zoning districts and sectors an instrument reaches — and whether a county instrument applies inside incorporated municipalities — is set by its text. Confirm with the jurisdiction before relying on any row.

Jurisdictions containing this point

The dataset records no instrument for **Montgomery County**, **Limerick township**. That is a statement about moratoria only: a proposal under review or a planning-commission decision in these jurisdictions would not appear in it.

The publisher states its counts are lower bounds — small townships that do not post minutes online are the known gap — and that anything after 2026-09-23 is not included.

Within 25 miles

JURISDICTION	TYPE	STATUS	SECTORS	ADOPTED	ENDS	CENTROID
East Whiteland Township, PA	Township	active	data centers	2026-03	*n/r*	13.4 mi
West Whiteland Township, PA	Township	active	data centers	2026-05	*n/r*	15.0 mi

Distance is to the jurisdiction's centroid, not its boundary — a large county can begin much closer than the figure shown.

State-level actions — PA

No state-level action for PA is recorded as enacted or in force.

22 state-policy actions tracked for PA in total; only those the publisher records as enacted or in force are listed. Where the publisher's legal-effect field reads “unknown”, the current effect of an enacted measure has not been checked by the publisher, and it is omitted here rather than guessed. 26 local instruments recorded statewide.

Source: Moratorium Data 2026 (Bommarito) — local moratorium inventory · current through 2026-09-23 · commit dbaab04d84f8 · 1,291 instruments · CC-BY-4.0 (data) — attribution: Bommarito, Michael J. (2026), Moratorium Nation
`https://github.com/mjbommar/moratorium-data-2026`

- Each instrument is tied to a Census county, county subdivision or incorporated place only when the Census places the publisher's own centroid inside a geography of the same name and kind. 70 of 1,291 rows could not be tied this way and do not appear in this appendix.
- The publisher compiles the dataset from municipal records and news coverage with AI-assisted research and documents its known gaps in the repository.

C APPENDIX — TRANSMISSION PLANNING (PJM)

Substations in section 2 whose name appears in PJM Transmission Expansion Advisory Committee and Sub-Regional RTEP materials, with the values those documents print: project titles, statuses, estimated costs, in-service dates and customer loads, each for the most recent document naming the substation. A printed customer load is what a document states for a request; it says nothing about the substation's capability or this site.

> **These are name matches, not verified substation identities.** Planning documents print a substation name and a transmission zone, not a location. Confirm any entry against the cited document before relying on it.

#1, #2 LIMERICK (230KV SUB) / LIMERICK (500KV SUB) — tracker entry “Limerick”, PECO zone

Matched in two steps: this substation is an exact name and county match to PJM queue filings (Appendix A), and the utility that presented a substation of the same name in PJM planning materials is the transmission owner recorded on those filings. Not verified as the same facility.

Role in the documents: Existing (work described at it) · voltage printed: 500/230 kV · named in 2 document mentions, 2026-03-10 to 2026-04-07

NEED / ID	PROJECT	STATUS	EST. COST	IN SERVICE	CUSTOMER LOAD	DOCUMENT
PE-2026-005	New Limerick TR 7 500/230 kV Transformer	Engineering	$93 M p.9	06/01/32 p.9	*n/r*	TEAC 2026-04-07

Full entry and every source document: https://substationscout.com/substation-tracker/peco/limerick/

Source: PJM Interconnection, L.L.C. — TEAC and Sub-Regional RTEP Committee meeting materials, pjm.com · documents dated 2024-10-08 to 2026-11-13 · exported 2026-11-21 · Public committee materials published by PJM; names and values reproduced with citations. Use is subject to the pjm.com terms of use. Not reviewed or endorsed by PJM.

- Names are machine-extracted from PDFs by a language model. Every exported name was checked to be printed in the PDF text; names read only from maps or diagrams are excluded.
- An entry is a name within a transmission zone, not a verified physical facility. The same name in two zones is two entries; spelling variants are merged only when they differ by punctuation, case or a generic suffix such as "Substation", or when a PJM document prints a rename for the same project (src/ingest/rtepAliases.json; the entry lists its old names).
- role is "new" only where a cited document phrase calls the substation new, describes constructing it, or calls it proposed (graded by src/lib/roleBasis.js), "existing" where a phrase describes work at it, otherwise "unknown".
- expansion is set on a substation that is not "new" where a cited phrase describes a new voltage level, a new or expanded yard, bus or bay, or a named load connected to it (graded by src/lib/expansionBasis.js). It reproduces what the document describes and adds nothing to it.
- Costs, dates, statuses and loads are the documents' own printed values for the most recent document that names the substation. Each one shipped here is printed on its cited page ("verification": "exact" or "on-page"); values that failed that check are withheld and counted in figures_withheld_unverified. None has been reviewed by a person.
- Zone is the transmission owner whose deck presented the project. PJM-SYSTEM marks names from PJM's own reliability decks, which span zones.

- A printed customer load is the amount a document states for a request. It says nothing about the substation's capability.

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