



Michael Zimmerman
Counsel, Regulatory

411 Seventh Avenue
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January 11, 2019

Via Overnight Mailing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120

RECEIVED

JAN 11 2019

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Re: Letter of Notification of Duquesne Light Company, Filed Pursuant to 52 Pa. Code Chapter 57 Subchapter G, for Approval to Install a New 138 kV Line to Support the NOVA Chemical Plant located in Potter Township, Beaver County, Pennsylvania Docket No. A-2019-_____

Dear Secretary Chiavetta:

Enclosed for filing is an original copy of the Letter of Notification of Duquesne Light Company, Filed Pursuant to 52 Pa. Code Chapter 57 Subchapter G, for Approval to Install a New 138 kV Line to Support the NOVA Chemical Plant located in Potter Township, Beaver County, Pennsylvania ("Letter of Notification"). Because this project has a proposed route of less than 2 miles, the Company is filing this Letter of Notification in lieu of a full siting application pursuant to 52 Pa. Code § 57.72(d)(1).

Please note that Attachment 2 accompanying this Letter of Notification is marked CONFIDENTIAL, and is being filed on a confidential basis under a separate cover.

Should you have any questions, please do not hesitate to contact me.

Respectfully Submitted,

Michael W. Zimmerman
Counsel, Regulatory

Enclosures

cc: Certificate of Service (non-Confidential Attachments)

the Project is scheduled to begin in June 2019 and completed by November 15, 2019, to support the construction schedule associated with NOVA Chemical's facility upgrades.

In support of its request for approval, Duquesne Light states as follows:

II. BACKGROUND

1. Duquesne Light is a public utility as the term is defined under Section 102 of the Public Utility Code, 66 Pa.C.S. § 102, and is certificated by the Commission to provide electric distribution service in portions of Allegheny County and Beaver County in Pennsylvania. Duquesne Light is also an electric distribution company ("EDC") and a default service provider as those terms are defined under Section 2803 of the Public Utility Code. 66 Pa.C.S. § 2803.

2. Duquesne Light owns approximately 670 miles of transmission lines operating at 69 kV, 138 kV, and 345 kV, and approximately 7,200 miles of distribution lines operating at less than 69 kV. Duquesne Light's transmission facilities are presently operated subject to the functional control of PJM Interconnection LLC. ("PJM").

3. Duquesne Light's business address is as follows:

Duquesne Light Company
411 Seventh Avenue
Pittsburgh, PA 15219

4. Duquesne Light's attorney in this matter is:

Michael Zimmerman (Pa. I.D. No. 323715)
Counsel, Regulatory
Duquesne Light Company
411 Seventh Avenue, 15th Fl.
Pittsburgh, PA 15219
Phone: 412-393-6268
Fax: 412-393-5757
E-mail: mzimmerman@duqlight.com

Duquesne Light's attorney is authorized to electronically receive all notices and communications regarding this filing. Further, counsel for Duquesne Light consents to the service of documents by electronic mail at the above e-mail address, pursuant to 52 Pa. Code § 1.54(b)(3).

5. This Letter of Notification includes the following accompanying attachments:

- Attachment 1 – United States Geological Survey (USGS) Maps with Existing and Proposed Circuit Configuration
- Attachment 2 – CONFIDENTIAL Aerial Map of Existing and Proposed Facilities
- Attachment 3 – Typical Cross Section of Proposed 138 kV Facilities
- Attachment 4 – Design Criteria and Safety Practices

6. CONFIDENTIAL Attachment 2 shows critical energy infrastructure information regarding the bulk transmission system of Duquesne Light located within its certificated service territory in Pennsylvania. Duquesne Light is therefore submitting a CONFIDENTIAL version of Attachment 2.

7. This Letter of Notification and accompanying Attachments, which are incorporated herein by reference, contain all the information required by 52 Pa. Code §57.72(d)(4).

III. GENERAL DESCRIPTION OF THE PROJECT

A. NEED FOR THE PROJECT

8. The proposed project is required to replace the Kobuta Tap, an aged 69 kV circuit that connects the Valley-Hopewell (66141) 69 kV transmission line to the NOVA facility, with a transmission facility that meets Duquesne Light's present 138 kV standards.

9. The Kobuta Tap consists of 1.86 miles of 69 kV conductor supported by 13 wood H-

frame structures ranging from 50 to 80 feet in height and 3 steel monopoles ranging in from 90 to 180 feet in height. It is located in Potter Township, Pennsylvania, and extends roughly west-northwest from the NOVA facility to the Valley-Hopewell 69 kV transmission line. Whereas the Valley-Hopewell 69 kV transmission line is built to 138 kV standards, most of the Kobuta Tap is built to 69 kV standards.

10. The Kobuta Tap was constructed in the 1940's and has reached the end of its service life. The normal life expectancy of a wood pole, including those comprising the Kobuta Tap's H-frame structures, is 40-60 years. The Kobuta Tap is over 70 years old. Furthermore, Company testing of the Kobuta Tap's H-frame structures conducted in October 2018 indicates that one-third of the structures should be retired within one year.

11. The Kobuta Tap has experienced four (4) unplanned outages over the past five (5) years. Each of these outages resulted from events affecting the Valley-Hopewell 69 kV transmission line to which the Kobuta Tap connects.

12. Retiring the existing Kobuta Tap 69 kV facilities also contributes to Duquesne Light's ongoing phase-out of its 69 kV facilities. Duquesne Light no longer has 69 kV construction standards for new construction,¹ and has reduced its 69 kV facilities to 19.2 miles of 69 kV lines that serve only three general service customers. The Company intends to retire all remaining 69 kV facilities, including the facilities to be removed as part of the Project, as those facilities reach the end of their service lives.

13. The proposed project would also provide increased reliability and operability to NOVA.

¹ See, e.g., Supplement No. 188 to Duquesne Light Company Tariff – Electric, PA P.U.C. No. 24, at Rule 3 (filed December 21, 2018, at Docket Nos. R-2018-3000124 *et al.*) (updating the Company's Tariff to eliminate 69 kV as a standard service voltage available to new customers).

14. NOVA is presently served by two transmission sources, Potter-AES (Z-80) 138 kV transmission line and the Kobuta Tap. Presently, the customer's key interlock scheme requires that one source opens prior to transfer to the other source resulting in a short plant outage.

15. According to NOVA, NOVA requires a high level of electric service reliability due to the critical nature of the operations at its facility. The Project would provide a second 138 kV source for NOVA. NOVA will build a new 138 kV customer substation to accept service from the new Potter-NOVA Chemical (Z-180) 138 kV transmission line. The second 138 kV electrical source to this customer will allow the customer to eliminate the key interlock scheme and permit the customer to be supplied by either transmission source without a plant outage.

16. This project was presented to PJM stakeholders on August 31, 2018, and included in PJM's Regional Transmission Expansion Plan ("RTEP") as project s1738.

B. DESCRIPTION OF THE PROJECT

17. The NOVA Chemical 138 kV Project, as discussed herein, involves installation of a new 138 kV circuit to replace the Kobuta Tap. This work is located in Potter Township, Beaver County, PA.

18. The new 138 kV line will include installation of approximately 1.21 miles of new single circuit transmission structures with 853.7 kcmil² aluminum conductor alloy reinforced ("ACAR") 24/13 conductor between the Duquesne Light's Potter Substation and the new NOVA Chemical Substation. The summer continuous thermal rating of this conductor will be 932 Amperes. Included in the new installation is one optical groundwire ("OPGW") shield

² Wire sizes are expressed in thousands of circular mils (kcmil). A circular mil is the cross-sectional area of a wire one mil in diameter, where 1 kcmil = 0.5067 mmi.

wire.

19. The minimum vertical conductor clearance to ground of the new 138 kV line will be 36 feet.

20. The new 138 kV line will be supported with 13 single steel monopole structures installed on concrete pier foundations approximately 7 ½ feet in diameter. The structures will range in height from 100-135 feet above ground.

21. Where possible, the proposed 138 kV line will be constructed adjacent to the existing Kobuta Tap. Approximately 2,650 linear feet of the proposed 138 kV line will be constructed adjacent to the Kobuta Tap. Approximately 3,507 linear feet of the proposed 138 kV line will not be constructed immediately adjacent to the existing Kobuta Tap.

22. The majority of the right-of-way will be 100 feet in width. For the portion of the proposed 138 kV line adjacent to the Kobuta Tap right-of-way, additional right-of-way approximately 50 feet in width will be required. For those portions of the Project not immediately adjacent to the existing Kobuta Tap right-of-way, new rights-of-way approximately 100 feet in width will be required. The Company has obtained all required easements and right-of-way from property owners.

23. The Kobuta Tap will remain in-service during construction in order to continue to provide a backup feed to NOVA during construction. After the new 138 kV line is placed into service, the Kobuta Tap will be retired and removed.

24. The estimated cost of the Project is \$5.95 million, to be borne by the Company.

25. Subject to Commission approval, construction of the Project is scheduled to begin June 1, 2019, and conclude by November 15, 2019.

C. HEALTH AND SAFETY

26. The Project will not create any unreasonable risk of danger to public health or safety.

27. The Project will be designed, constructed, operated, and maintained in a manner that meets or surpasses all applicable National Electric Safety Code (“NESC”) minimum standards. The Project will also conform to Duquesne Light’s design criteria, construction standards, and safety practices. See Attachment 4 – Duquesne Light’s Design Criteria and Safety Practices.

28. The Project is not expected to have any impact on pipelines, other utilities, or telecommunications.

29. There are no airports or landing strips within two (2) miles of the Project right-of-way. The nearest airport or landing strip, Sainovich Airport, is located approximately 5.1 miles from the Project area. There are no expected impacts to any airport based on the distance, presence of the existing transmission facilities, and the proposed height of the new 138 kV structures.

D. DESCRIPTION OF RIGHT-OF-WAY

30. Duquesne Light’s vegetation management practices are based on maintenance rights acquired, voltage of the line involved, proximity of trees to the facilities, and the species and condition of trees involved. Attachment 2 – CONFIDENTIAL Project Area Map details the observed habitat and land use types within the Project area.

31. There are no state lands, national parks, state parks, or local parks within the Project area. The Project will not affect any recreational areas or natural landmarks. The Project is proposing an aerial crossing over a parcel owned by an environmental custodial trust, Le Petomane XXIII Inc. The existing Kobuta Tap currently has an aerial crossing over this

same property. This new proposed aerial crossing will replace the existing crossing, resulting in only one total crossing over a parcel owned by an environmental custodial trust. The Project will not traverse or affect any unique geological, scenic, or natural areas.

32. Duquesne Light will review the Project with the Pennsylvania Historical and Museum Commission (“PHMC”) to determine whether the project will have any impacts to cultural and archaeological resources. Duquesne Light will coordinate with and comply with any surveys or conditions required by the PHMC.

33. A waters of the U.S. delineation was completed for the Project area that identified two regulated features – Raccoon Creek and a regulated linear wetland. Raccoon Creek, a navigable waterway, is currently crossed by the Kobuta Tap and will be aurally crossed by the new 138 kV line. The regulated linear wetland is currently crossed by the existing Kobuta Tap but will not be crossed by the new 138 kV line. Please see Attachment 2 for more information. Duquesne Light will obtain all necessary environmental permits. Duquesne Light will comply with all the terms and conditions placed on those permits.

34. Duquesne Light will acquire any required erosion and sediment (“E&S”) control approvals and will comply with any conditions placed on those approvals. Duquesne Light will also develop an Erosion and Sedimentation Control Plan (“ESCP”) that is compliant with state regulations. A Post Construction Stormwater Management/Site Restoration (“PCSM”) Plan will be prepared if required.

E. NOTICE

35. Duquesne Light has provided information regarding the Project to representatives of Potter Township in Beaver County.

36. Copies of this Letter of Notification will be served on the governmental agencies,

municipalities, and other public entities agencies in accordance with 52 Pa. Code § 57.72(d)(3).

37. All landowners potentially impacted by the construction of the new transmission line and subsequent removal of the Kobuta Tap will receive a copy of this filing. Damages, if any, would be restored.

38. Duquesne Light has completed a desktop review of Pennsylvania Natural Heritage Program ("PNHP") Core Habitat data for the Project area as part of the waters of the U.S. delineation study. Based on the review of this data, the Project area is crossed by the Lower Raccoon Creek Biological Diversity Area ("BDA"). As part of the permit requirements for the Project, Duquesne Light will obtain a Pennsylvania Natural Diversity Inventory ("PNDI") receipt that will address habitat under the jurisdiction of the Pennsylvania Department of Conservation and Natural Resources ("DCNR"), the Pennsylvania Fish and Boat Commission ("PFBC"), the Pennsylvania Game Commission ("PGC"), and the U.S. Fish and Wildlife Service ("USFWS"). Based on the results of the PNDI review, Duquesne Light will undertake regulatory consultation with any of the above-listed agencies, as required.

F. LETTER OF NOTIFICATION

39. Duquesne Light is proceeding by means of a Letter of Notification, instead of a full transmission siting Application, pursuant to the Commission's regulations at 52 Pa. Code § 57.72(d)(1)(vi).

40. The transmission line work associated with this Project qualifies for use of a Letter of Notification because the entire Project will be less than two (2) miles in length.

IV. CONCLUSION

WHEREFORE, in consideration of the foregoing, Duquesne Light respectfully requests that the Pennsylvania Public Utility Commission grant Duquesne Light Company approval to proceed with the installation of the 1.21 mile new 138 kV circuit as described in this Letter of Notification.

Respectfully submitted,



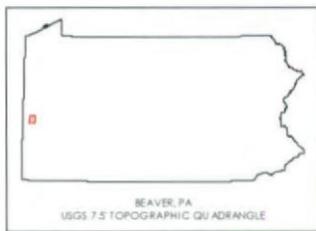
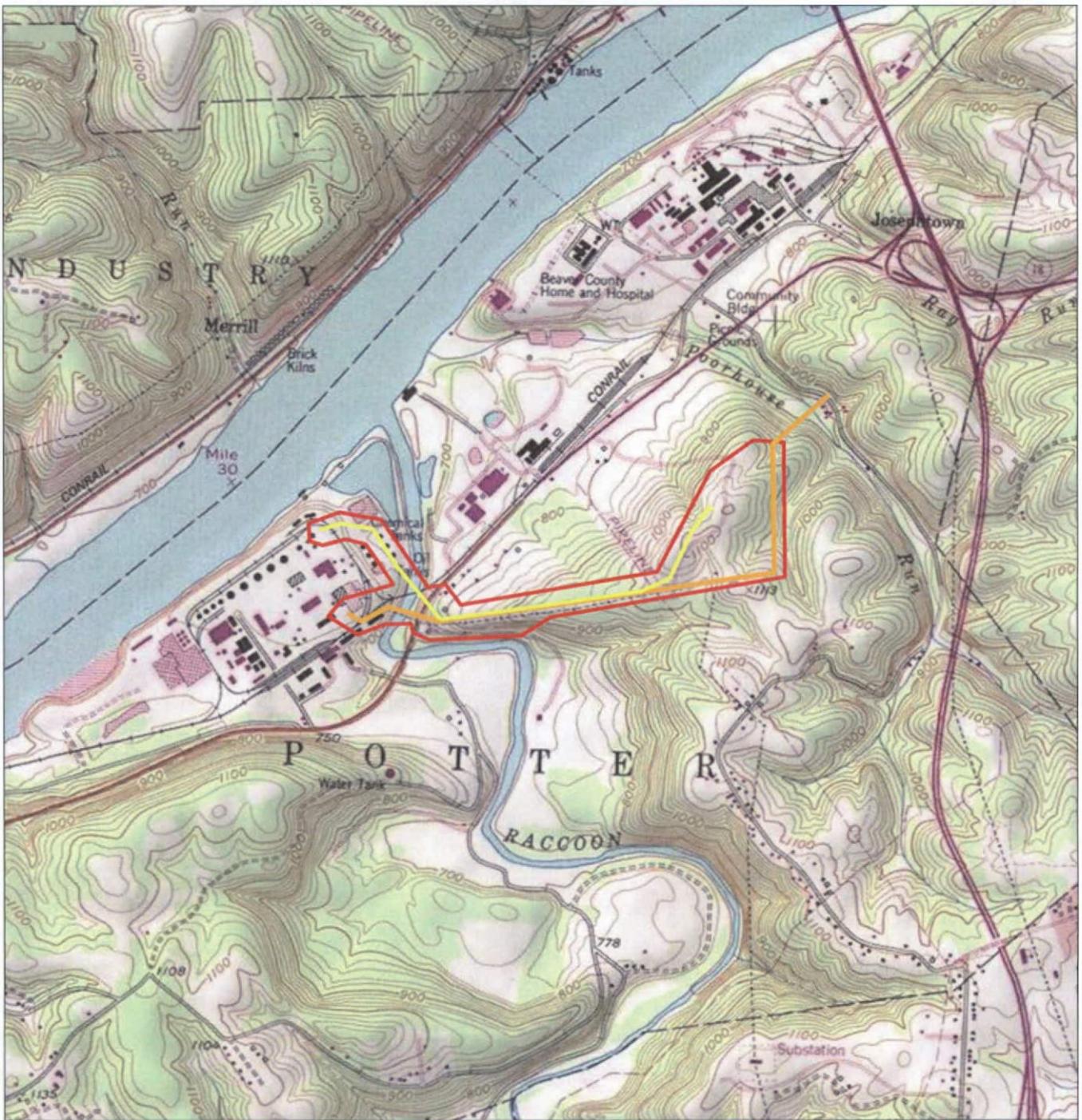
Michael Zimmerman (Pa. I.D. No. 323715)
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411 Seventh Avenue, 15th Floor
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Phone: 412-393-6268
Email: mzimmerman@duqlight.com

Counsel for Duquesne Light Company

January 11, 2019

ATTACHMENT 1

U:\198602300\1_100\Beaver\16.C\Documents\Map Figures\Attachment1_projected\formap_ansi_4.pptm - Revised_2018.06.2018.gxd



Legend

- Proposed Line
- Existing Electric Transmission Line
- Study Boundary



Project Location: 198602300
Potter Township, Beaver County, PA. Prepared by GWC on 9/20/2018. Independent Review by GW on 01/01/2019.

Client/Project: Duquesne Light Company, DLCO Nova Chemical Trans Ln

Attachment: 1
Title:

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UG5 MAP with EXISTING
and PROPOSED CIRCUIT
CONFIGURATION

- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec, USGS
 3. Service Layer Credits: Copyright © 2013 National Geographic Society. Licensed

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ATTACHMENT 3

| | | |
|----------|---------------------|--------------------|
| EXISTING | N/A | 66141 69kV Line |
| PROPOSED | Z-180 138kV Line | TO BE REMOVED |

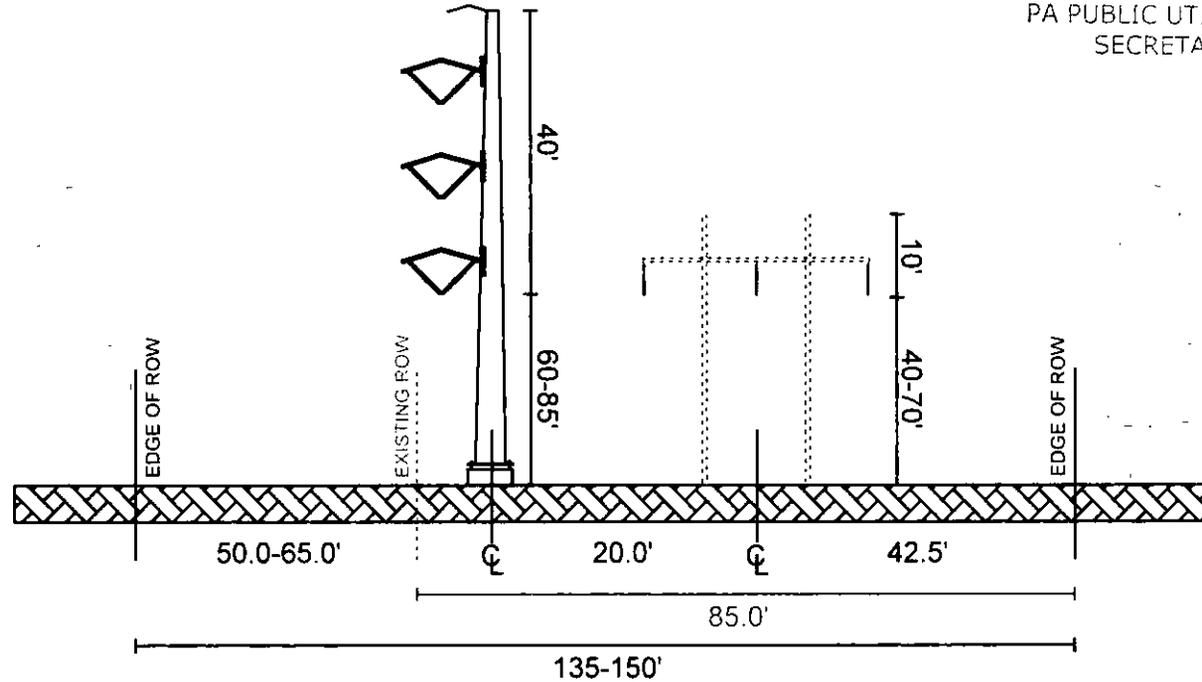
STEEL
MONOPOLE ON
CAISSON

WOOD H-FRAME

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SECRETARY'S BUREAU



ATTACHMENT 3

TYPICAL CROSS SECTION
OF PROPOSED 138kV FACILITIES
POTTER TO NOVA CHEMICAL SUBSTATIONS
DUQUESNE LIGHT COMPANY
ALLEGHENY COUNTY, PA

ATTACHMENT 3

EXISTING
PROPOSED

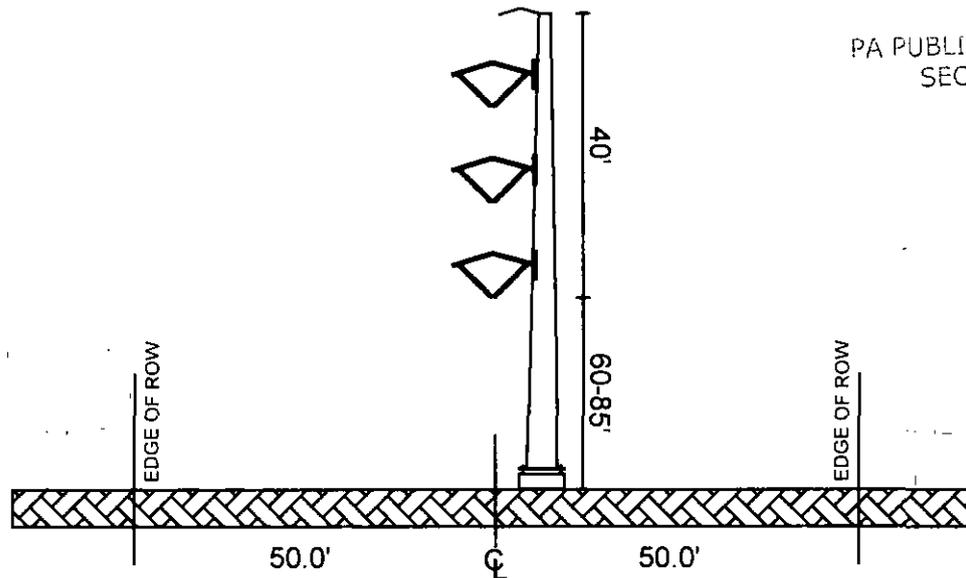
N/A
Z-180
138kV Line

STEEL
MONOPOLE ON
CAISSON

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SECRETARY'S BUREAU



ATTACHMENT 3

TYPICAL CROSS SECTION
138kV CIRCUIT IN PROPOSED ROW BETWEEN
POTTER AND NOVA CHEMICAL SUBSTATIONS
DUQUESNE LIGHT COMPANY
ALLEGHENY COUNTY, PA

SHEET 2 OF 2

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DUQUESNE LIGHT COMPANY
ATTACHMENT 4 - DESIGN CRITERIA AND SAFETY PRACTICES

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

ATTACHMENT 4
POTTER-NOVA 138 KV PROJECT
DUQUESNE LIGHT COMPANY DESIGN CRITERIA AND SAFETY PRACTICES

The National Electrical Safety Code (NESC) is a set of rules to safeguard people during the installation, operation, and maintenance of electric power lines. The NESC contains the basic provisions considered necessary for the safety of employees and the public. Although it is not intended as a design specification, its provisions establish minimum design requirements. Duquesne Light Company ("Duquesne Light") has developed design specifications and safety rules which meet or surpass all provisions specified by the NESC.

Engineering Design Criteria and Parameters

The NESC includes loading requirements and clearances for the design, construction, and operation of power lines. The "loads" on conductors and supporting structures are the forces that develop from the weight of the conductors, the weight of ice on the conductors, plus wind pressure on the conductors and supporting structures. Loading requirements are the loads on the conductors and structures that are anticipated assuming certain ice and wind conditions. Loading requirements always contain "safety factors" to allow for unknown or unanticipated contingencies. The clearances and loading requirements contained in the NESC were developed to ensure public safety and welfare.

Duquesne Light transmission line design standards meet or surpass the NESC standards. For example, the relative order of grades of construction for conductors and supporting structures is B, C, and N; Grade B being the highest. According to the NESC standards, construction Grades B, C, or N may be used for transmission lines (except at crossings of railroad tracks and limited access highways where Grade B construction is specified). However, Duquesne Light designs all of its transmission lines for Grade B construction. The use of Grade B design and construction specifies such things as larger-minimum crossarm dimensions, larger-minimum conductor size, and increased safety factors.

Duquesne Light also surpasses the NESC standards in the clearance requirements. Duquesne Light designs 138 kV and 345kV transmission lines to meet 30 feet of ground clearance under the worst-case load scenario, 9.4 feet more than the NESC minimum of 20.6 feet for new construction on 138kV

transmission lines and 5.2 feet more than the NESC minimum of 24.8 feet for new construction on 345kV transmission lines. For reconductor projects and spans with new structures on 138kV and 345kV transmission lines, Duquesne Light strives to obtain either 30 feet of ground clearance or NESC+10%, modifying existing structures as necessary to meet this criteria. For all other types of clearances on new lines, NESC+10% is used.

Duquesne Light also surpasses the NESC standards in the structure overload or multiplying factors. The guideline for structural load factors for transmission structures can be found in the NESC Code. Duquesne Light applies overload factors of 1.1 for NESC 250C and NESC 250D loads compared to the NESC requirement of using 1.0 overload factors for NESC 250C and NESC 250D loads.

Periodic Maintenance Program on All Transmission Lines

Duquesne Light ensures the continued public safety from our transmission line infrastructure by implementing various maintenance and inspection programs. One program is the routine inspection of as-built conditions to meet clearance requirements described above through advanced surveying technology referred to as “LiDAR”. This technology allows Duquesne Light to model its transmission system three-dimensionally to analyze clearances from the conductors to the world around them, including vegetation, homes, pools, roads, and more. This program provides Duquesne Light with accurate as-built records to ensure compliance with designs while also identifying any new or changing conditions to surrounding landscape.

Other Duquesne Light Maintenance programs for inspected towers include:

- a. Ground inspections, performed by Duquesne Light mobile workers walking around the base of the structure, on approximately 350 structures annually. These inspections focus heavily on foundations, structure integrity, and failed hardware, though additional information may be noted.
- b. Aerial inspections, performed by a Duquesne Light subcontractor from a helicopter on approximately 500 structures annually. These inspections focus heavily on hardware and structural defects in tower members, though additional information may be noted.

Personnel Safety Rules

Duquesne Light follows OSHA regulations to ensure safe practices. These regulations are incorporated into the Duquesne Light employee Safety Handbook. Duquesne Light safety rules and good practices include the following:

1. Only qualified employees and trainees working under their direct supervision may work on or with exposed energized lines or parts of equipment operating at 50 volts or more, and must be familiar with the minimum approach distances as indicated by OSHA regulations.
2. Before work is commenced, a job briefing will be held with all employees to orient each employee as to:
 - a. The hazards associated with the job.
 - b. The work procedures involved.
 - c. Any special precautions to be taken.
 - d. All energy source controls.
 - e. Personal protective equipment required.
3. When working in elevated locations, above four feet, employees shall use appropriate fall protection systems. Each employee working from an aerial lift, bucket truck, or man lift shall use a full body harness and either a shock absorbing lanyard or self-retracting lanyard. Duquesne Light ensures that all fall protection follows the OSHA regulations.
4. Prior to climbing towers and other similar structures a documented visual inspection shall be conducted by a competent person to:
 - a. Determine type or work, materials, and construction methods required.
 - b. Determine whether ground access, without climbing a structure, is possible through use of access roads and bucket trucks.
 - c. Determine physical condition of the structure.
 - d. Contact Engineering to determine if a structural analysis has been performed to identify tie-off and anchorage points for construction activities.

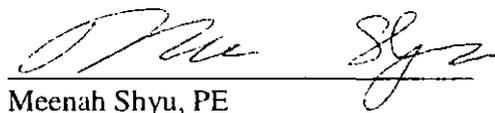
- e. Tie-off and anchorage points follow the OSHA regulations, in which the anchorage points can support 5,000 lbs per employee or a twice the impact load per employee.
- f. Determine the type of fall protection systems to be used, appropriate anchorage points and complete documented fall safety analysis. All work is to be inspected prior to construction to evaluate the site conditions. If there are any concerns about the integrity of a structure, Duquesne Light Engineering is engaged to perform the appropriate investigation and analysis to provide guidance for safely completing the job.

BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

Letter of Notification of Duquesne Light :
Company, Filed Pursuant to 52 Pa. Code :
Chapter 57 Subchapter G, for Approval to : Docket No. A-2019-_____
Install a new 138 kV line to support the NOVA :
Chemical Plant located in Potter Township, :
Beaver County, PA. :
:

VERIFICATION

I, Meenah Shyu, PE, being the MANAGER of CIVIL AND TRANSMISSION LINE ENGINEERING at Duquesne Light Company hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief, and that I expect Duquesne Light Company to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).



Meenah Shyu, PE
Manager, Civil & Transmission Line Engineering

Date: January 11, 2019

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SECRETARY'S BUREAU

Letter of Notification of Duquesne Light :
Company, Filed Pursuant to 52 Pa. Code :
Chapter 57 Subchapter G, for Approval to : Docket No. A-2019-_____
Install a new 138kV line to support the NOVA :
Chemical Plant located in Monaca, PA in :
Beaver County, PA. :

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

CERTIFIED MAILING AND RETURN RECEIPT REQUESTED

Pennsylvania Department of Environmental Protection
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222
Attn.: Ronald Schwartz

Pennsylvania Historical and Museum Commission
State Historic Preservation Office
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
Attn.: Douglas C. McLearen

Leslie S. Richards, Secretary
Pennsylvania Department of Transportation
Commonwealth Keystone Building
400 North Street, 9th Floor
Harrisburg, PA 17120
Attn.: Jason D. Sharp
Attn.: Dennis Ciufu

Bureau of Investigation & Enforcement
Commonwealth Keystone Building
400 North Street, 2nd Floor West
PO Box 3265
Harrisburg, PA 17105-3265

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Office of Consumer Advocate
555 Walnut Street
Forum Place, 5th Floor
Harrisburg, PA 17101-1923

Office of Small Business Advocate
300 North Second Street, Suite 202
Harrisburg, PA 17101

Beaver County Conservation District
156 Cowpath Road
Aliquippa, PA 15001-5842
Attn.: Katie Staudenmeier

Beaver County Board of Commissioners
810 Third Street
Beaver, PA 15009-2139
Attn.: Daniel C. Camp III

Potter Township Board of Supervisors
2016 Mowry Road
Monaca, PA 15061-2224
Attn.: Rebecca Matsco
Attn.: Earl Shamp

Federal Aviation Administration
Mail Processing Center
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177
Attn: Andrew Hollie

U.S. Fish and Wildlife Service
Pennsylvania Field Office, Endangered Species Section
110 Radnor Road, Suite 101
State College, PA 16801
Attn.: Robert M. Anderson

Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street
P.O. Box 8552
Harrisburg, PA 17105-8552
Attn.: Daniel A. Devlin

Pennsylvania Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Drive
Bellefonte, PA 16823
Attn.: Heather Smiles

Pennsylvania Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
Attn.: Peter F. Sussenbach

NOVA Chemicals
400 Frankfort Road
Monaca, PA 15061

Shell Chemical Appalachian, LLC
P.O. Box 4369
Houston, TX 77210

Le Petomane XXIII, Inc.
Custodial Trustee
35 East Walker Drive, Suite 1550
Chicago, IL 60601

Date: January 11, 2019



Michael Zimmerman
Duquesne Light Company
411 Seventh Avenue
MD 15-7
Pittsburgh, PA 15219
Phone: 412-393-6268
Email: mzimmerman@duqlight.com

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
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Take your package to any location of The UPS Store®, UPS Access Point™ location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

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UPS Access Point™
 WALTHIRE PHARMACY
 1435 SPRING GARDEN AVE
 PITTSBURGH ,PA 15212

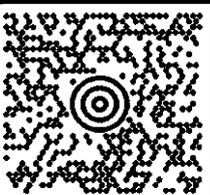
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ERIN DITOMMASO
 412-393-6020
 DUQUESNE LIGHT
 411 SEVENTH AVENUE
 PITTSBURGH PA 15219

1.0 LBS LTR 1 OF 1

SHIP TO:

ROSEMARY CHIAVETTA, SECRETARY
 412-393-1541
 PENNSYLVANIA PUC
 400 NORTH STREET, 2ND FLOOR
 COMMONWEALTH KEYSTONE BUILDING
HARRISBURG PA 17120-0093



PA 171 9-20



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TRACKING #: 1Z 187 399 01 9858 6090



BILLING: P/P

Cost Center: 004
 Reference # 2: Michael Zimmerman

CS 21.0.21 WNTNV50 06.0A 10/2018



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