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June 19, 2018

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PA PUBLIC UTILITY COMMISSION  
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**Via Overnight Delivery**

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building, 2<sup>nd</sup> Floor  
400 North Street  
Harrisburg, PA 17120

**Re: Letter of Notification of Duquesne Light Company  
Docket No. A-2018-\_\_\_\_\_**

Dear Secretary Chiavetta:

Enclosed you will find a Letter of Notification of Duquesne Light Company, Filed Pursuant to 52 Pa. Code Chapter 57 Subchapter D, for Approval to Upgrade an Existing 138KV Ring Bus at Montour Substation in Robinson Township, Allegheny County, and corresponding Attachments. Please be advised that the Letter of Notification proposes beginning construction in October 2018.

Copies of this filing will be served as indicated on the Certificate of Service as well as provided to potentially impacted property owners. If you have any questions, please feel free to contact me at 412-393-6431.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Emily M. Farah", is written over the typed name and title.

Emily M. Farah  
Counsel, Regulatory

Enclosures

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Letter of Notification of Duquesne Light :  
Company, Filed Pursuant to 52 Pa. Code :  
Chapter 57 Subchapter D, for Approval to :  
Upgrade an Existing 138KV Ring Bus at :  
Montour Substation in Robinson Township, :  
Allegheny County. :  
: :  
:

Docket No. A-2018-\_\_\_\_\_

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**LETTER OF NOTIFICATION OF DUQUESNE LIGHT COMPANY**

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TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

**I. INTRODUCTION**

Pursuant to 52 Pa. Code § 57.72(d), Duquesne Light Company ("Duquesne Light" or "Company"), files this Letter of Notification requesting approval from the Pennsylvania Public Utility Commission ("Commission") to upgrade the existing 138 kV ("kilovolt") ring bus scheme at the Montour Substation to a breaker and a half bus scheme and upgrade associated structures, including: new breakers, disconnects, relays, control cables and other associated facilities (hereafter "Montour Substation Project" or "Project"). The Project's purpose is to enhance the reliability of the 138 kV transmission system and increase the reliability to 23 kV assets by modernizing the existing electrical infrastructure, and involves relocating a total of approximately 0.49 miles of three (3) separate transmission lines. Additionally, the Project locates all of the control wiring in one new modernized control house, to enhance efficiency of operations and maintenance at the Montour Substation. The Project also supports Duquesne Light's Commission approved Long Term Infrastructure Improvement Plan ("LTTIP") Substation Program, Breaker and Switch Replacement

Initiative.<sup>1</sup>

This Project is located on Duquesne Light owned property in Robinson Township in Allegheny County, Pennsylvania. Duquesne Light has provided information regarding this Project to a Robinson Township representative, who has not objected to the Project.

The Project will be executed in three phases. First, “Phase I” will reroute the Montour-Findlay (“Z-45”) 138 kV transmission line using temporary wood poles to enter the substation at an alternate location. Phase I requires approximately four (4) weeks of construction and must be complete in October 2018. Second, “Phase II” prepares for reconfiguring the Crescent-Montour (“Z-24”) and Brunot Island-Montour (“Z-44”) 138 kV transmission lines by rerouting the Z-44 138 kV transmission line to enter the substation at an alternate location. Phase II also includes installing temporary wood poles and three (3) permanent monopoles to relocate the Z-24 138 kV transmission line such that it will enter the Montour substation at an alternative location. These three (3) permanent monopoles will also support the relocation of the Z-44 138 kV transmission line. Temporary wood poles will be used to allow the Z-44 138 kV transmission line to enter the substation at a temporary location until the Project is completed. Phase II requires approximately five (5) weeks of construction and must be completed between October 2018 and September 2019. Third, “Phase III” transitions the Z-44 and Z-45 138 kV transmission lines from their temporary wood poles to their permanent monopoles. Phase III requires approximately four (4) weeks of the construction and must be completed between March 1, 2020 and May 31, 2020. *See Attachment 4 – Project Phase Progression.*

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<sup>1</sup> The Project includes both transmission and distribution upgrades. This Project does not pertain distribution upgrades, which were part of Duquesne Light’s Commission-approved LTIP. The Company’s LTIP was approved on September 15, 2016 at docket number P-2016-2540046.

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 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 defined under Section 2803 of the Public Utility Code. 66 Pa.C.S. § 2803.

2. Duquesne Light owns approximately 686 miles of transmission lines operating at 69 kV, 138 kV, and 345 kV (kilovolts), and approximately 8,210 miles of distribution lines operating at less than 69 kV.

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

Duquesne Light Company  
411 Seventh Avenue  
Pittsburgh, PA 15219

4. Duquesne Light's attorneys are:

Emily M. Farah (Pa. I.D. No. 322559)  
Tishekia E. Williams (Pa. I.D. No. 208997)  
Michael Zimmerman (Pa. I.D. No. 323715)  
Duquesne Light Company  
411 Seventh Avenue, 15th Fl.  
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Phone: 412-393-6431  
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Duquesne Light's attorneys are authorized to electronically receive all notices and communications regarding this filing.

5. This Letter of Notification includes the following accompanying attachments:
- Attachment 1 – Single Line Diagram of Montour Substation before and after the Project.
  - Attachment 2 – Duquesne Light Engineering Design Criteria.
  - Attachment 3 – Diagram of Project Area.
  - Attachment 4 – Project Phase Progression

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. TRANSMISSION PLANNING**

6. Duquesne Light has adopted reliability and planning standards to ensure adequate and appropriate levels of electric service to its customers consistent with good utility practice. Duquesne Light's reliability and planning standards were developed from and are consistent with the North American Electric Reliability Corporation ("NERC").

#### **B. DESCRIPTION OF THE PROJECT**

7. Subject to Commission approval, Duquesne Light proposes to reconfigure the existing 138 kV ring bus scheme to a breaker-and-a-half scheme.

8. Under the existing ring bus scheme depicted at the top of Attachment 1, two (2) elements are attached to each bus: a transmission line and transformer. Each element is co-dependent on the other and unplanned outages would impact all of the equipment on each bus.

9. Under the proposed breaker-and-a-half scheme depicted at the bottom of Attachment 1, only one element is attached to each bus, which will improve reliability because only one element would be impacted by an unplanned outage, as further explained in Section C.

10. Upgrading the ring bus scheme to a breaker-and-a-half scheme requires the

Company to expand the substation's footprint, and consequently, relocate existing transmission lines entirely within the Company's existing fee interest.

11. To relocate the existing transmission lines, temporary transmission lines will be installed. The temporary lines will not extend outside of Duquesne Light's existing footprint. The temporary service lines are anticipated to be approximately 0.34 miles long and will stay in place for nine (9) to nineteen (19) months.

12. Installing temporary transmission lines require brief outages to each transmission line, but the outages will not affect customers. *See* Attachment 3 – Diagram of Project Area.

13. A single line diagram depicting the Project is included and marked as Attachment 1. As shown on the map, the Z-24, Z-44, and Z-45 138 kV transmission lines enter the Montour Substation. After completion of the Project, the transmission lines will remain 138 kV lines.

14. The Project affects approximately 0.49 total miles of existing transmission line: 0.19 miles of the Z-24 line, 0.19 miles of the Z-44 line, and 0.11 miles of the Z-45 line. Upon completion, the final total length of all transmission lines will be decreased by approximately 0.06 miles.

15. The proposed substation reconfiguration and transmission line reroute eliminates one transmission tower, as depicted on Attachment 3 – Diagram of Project Area. Duquesne Light anticipates adding approximately five (5) monopoles and ten (10) temporary wood poles over the course of this project.

16. Consistent with the reconfiguration, Duquesne Light proposes to build a new control house with new relay and control panels, replace the breakers, and upgrade and/or replace associated structures, disconnects, relays, control cables, and other associated facilities.

17. Duquesne Light Company estimates the Project will cost approximately \$15.6

million.<sup>2</sup>

### **C. NEED FOR THE PROJECT**

18. The proposed Project is needed to enhance operability of the Montour Substation, which was built in the mid 1950's. With new wiring and modern protection and control equipment in the new control house, Duquesne Light will be able to maintain the Montour Substation efficiently in a central location.

19. The upgrade to a breaker and a half scheme under the proposed Project allows Duquesne Light to isolate and/or remove any breaker for maintenance purposes without interrupting supply to the other circuits or transformers. The current configuration at Montour is a 138 kV ring bus with multiple elements, such as a transmission line and transformer connected to the same bus. This current configuration requires multiple transmission lines and transformers to be removed from service for planned or unplanned outages. The proposed configuration will limit the impact of planned or unplanned outages to a single transmission line or transformer.

20. Under certain conditions, the overall rating of the transmission lines into the Montour substation are limited by the rating of the protective relays. The upgraded scheme and new equipment, which includes modernized relays with a higher rating, will allow the Montour Substation to achieve higher facility ratings for the associated transmission lines. The higher ratings promote reliability and operational flexibility, and possibly support higher capacity.

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<sup>2</sup> This is a preliminary estimation for the cost of the Project with a certainty level of plus/minus 30 percent.

#### **D. HEALTH AND SAFETY**

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

22. The Project will be designed, constructed, operated, and maintained in a manner that meets or surpasses all applicable National Electrical Safety Code (“NESC”) minimum standards. The Project will conform to Duquesne Light's design criteria, construction standards, and safety practices. *See* Attachment 2 – Duquesne Light Engineering Design Criteria.

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

24. The Pittsburgh International Airport is located approximately 3.8 miles from the nearest transmission line. There are no expected impacts to the airports based on the distance and presence of the existing transmission facilities. All transmission structures have been submitted to the Federal Aviation Administration (FAA) and Duquesne Light will comply with all relevant FAA requirements, if any.

#### **E. DESCRIPTION OF PROPERTY**

25. Presently, Duquesne Light must enter the Montour Substation on an access road that requires modification due to the Project. These modifications would require the road to be a twelve percent (12%) grade. To enhance safety and accessibility, Duquesne Light intends to purchase nearby parcels, as depicted on Attachment 3, for an access road with less than a five percent (5%) grade. The Company will be filing separate applications seeking commission approval to acquire two impacted properties.<sup>3</sup> After having provided the two impacted property

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<sup>3</sup> Pursuant to 66 Pa.C.S. § 1102, the Company will file a separate Certificate of Public Convenience for these properties.

owners with all required notices, Duquesne Light has extended an offer to purchase their land and is currently in negotiations with the property owners. However, the Company will proceed with the Project using alternative means if the sale is not closed.

26. 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.

27. 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 will not traverse or affect any unique geological, scenic, or natural areas.

28. Duquesne Light has determined the Project does not have any impacts to cultural and archaeological resources as defined by the Pennsylvania Historical and Museum Commission ("PHMC"). If necessary, Duquesne Light will coordinate with and comply with any surveys or conditions required by the PHMC.

29. Duquesne Light has acquired permits from the Pennsylvania Department of Environmental Protection ("DEP") and has obtained all necessary environmental permits. Duquesne Light will comply with all of the terms and conditions placed on those permits.

30. Duquesne Light will acquire any required soil erosion and sedimentation control permits and will comply with any conditions placed on those permits. Duquesne Light also will develop an Erosion and Sedimentation Control Plan. A Post Construction Stormwater Management/Site Restoration ("PCSM") Plan will be prepared if required.

#### **F. NOTICE**

31. Duquesne Light has submitted for permits and provided information regarding the Project to representative(s) of Robinson Township in Allegheny County. The permit is

approved pending final document and the Company has consulted Assistant Robinson Township Manager, R.J. Susko, who did not express any objections about the Project.

32. 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).

33. All impacted customers have been notified concerning the potential temporary Project impacts and will receive a copy of this filing. Damages, if any, would be restored. Other than the owners of two parcels, Duquesne Light owns all adjacent property.

34. Duquesne Light has reviewed the Pennsylvania Natural Diversity Inventory ("PNDI") records under the jurisdiction of the Pennsylvania Department of Conservation and Natural Resources, the Pennsylvania Fish and Boat Commission ("PFBC"), the Pennsylvania Game Commission, and the U.S. Fish and Wildlife Service. Based on this review, no further review is required by these jurisdictional agencies. Since the Project will be located entirely within Duquesne Light's property, it is anticipated that the Project will have no material impact to any wildlife or vegetation listed as threatened, endangered, or species of special concern. Notwithstanding, Duquesne Light will, to the extent required, coordinate with these agencies, acquire any required permits, and comply with any conditions placed on those permits.

#### **H. LETTER OF NOTIFICATION**

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

36. The transmission line work associated with this Project qualifies for use of a Letter of Notification under 52 Pa. Code § 57.72(d)(1)(iii) because the entire Project will be

constructed entirely within property that is owned in fee by Duquesne Light Company and entirely within Duquesne Light's existing right(s)-of-way ("ROW").

37. It is Duquesne Light's position that the Project will not substantially alter the existing ROW.

38. The transmission line work associated with this Project further qualifies for use of a Letter of Notification because the existing transmission lines are being re-routed with no significant changes in the size, character, design or configuration of the conductors and it does not substantially alter the right-of-way beyond the property of Duquesne Light Company.

39. The transmission line work associated with this Project qualifies for use of a Letter of Notification under 52 Pa. Code § 57.72(d)(1)(vi) because the proposed transmission line has a proposed route of two (2) miles or less, as indicated in Paragraph 14, above.

#### **IV. CONCLUSION**

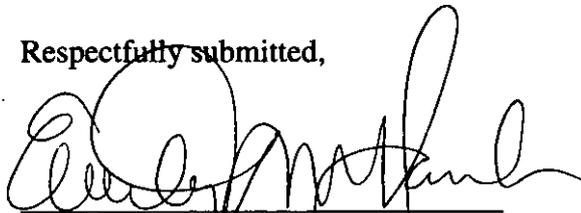
WHEREFORE, in consideration of the foregoing, Duquesne Light respectfully requests that the Pennsylvania Public Utility Commission grant Duquesne Light Company approval, on an expedited basis, to upgrade the Montour Substation as described in this Letter of Notification.

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Respectfully submitted,



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*Counsel for Duquesne Light Company*

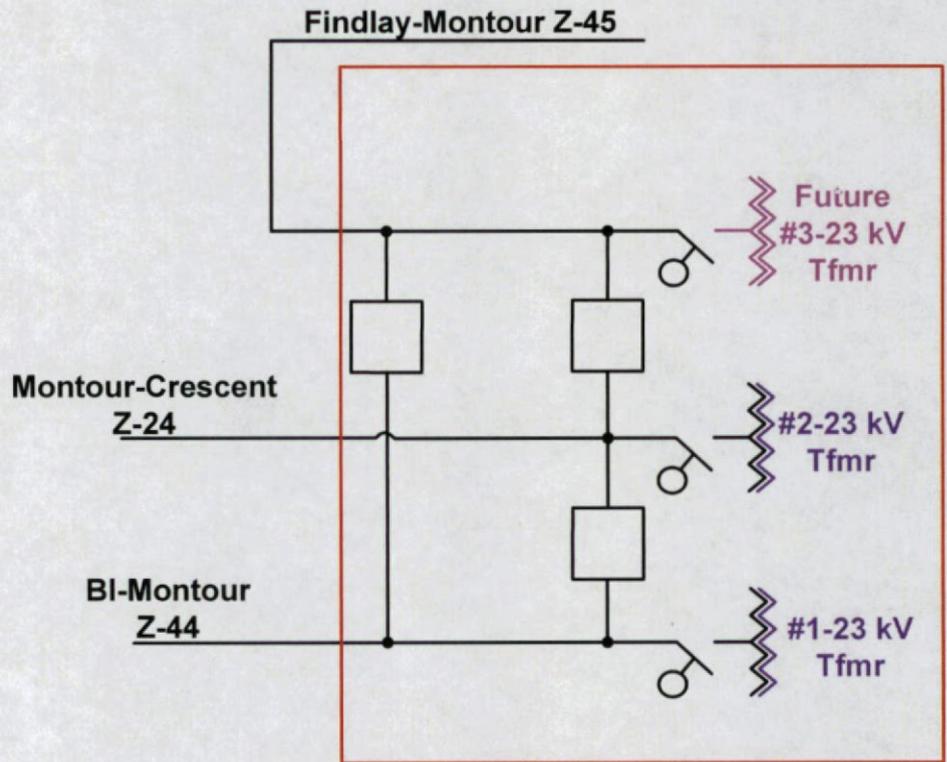
DATE: June 19, 2018

# Attachment 1

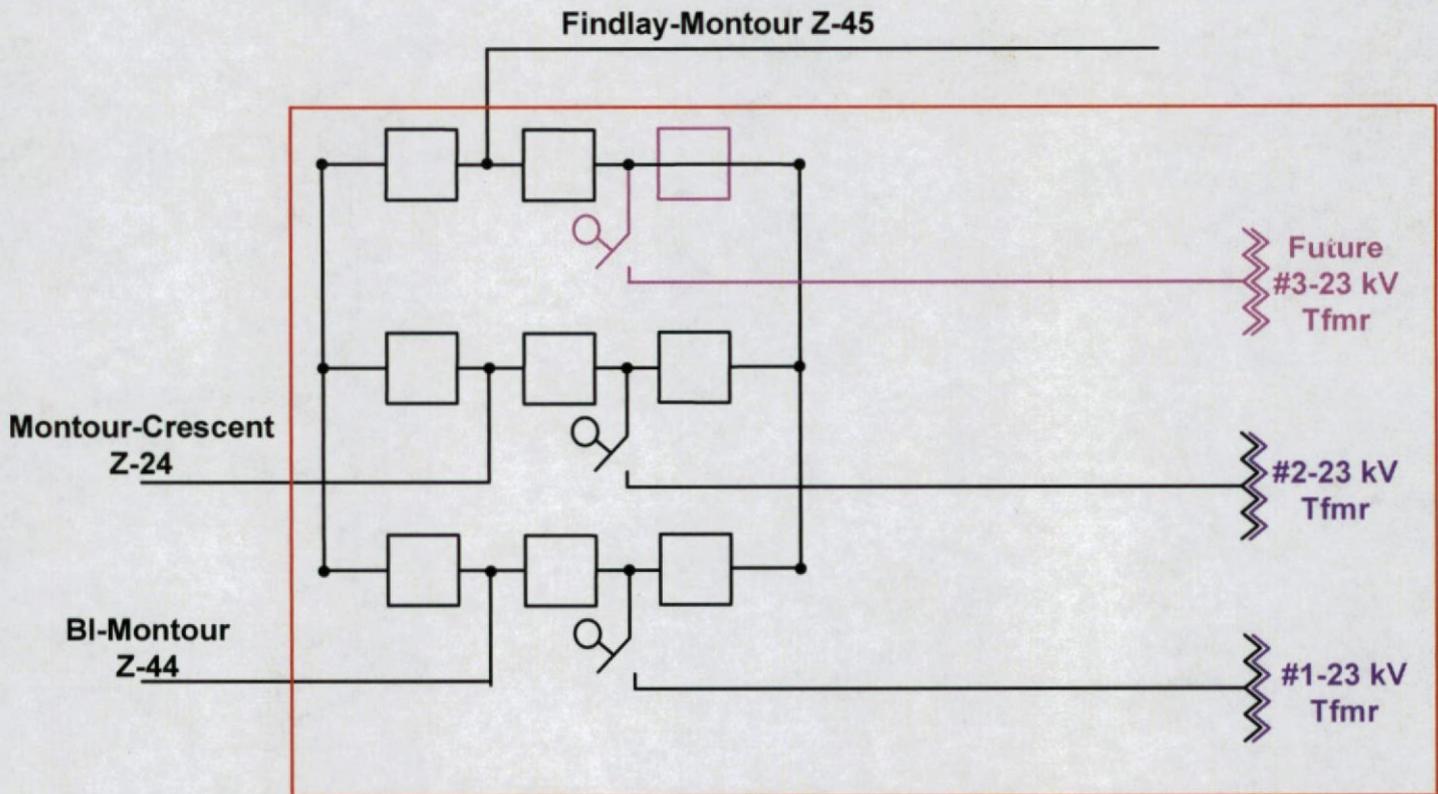
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**Montour Existing**



**Montour Proposed**

**Montour Substation**

April 5, 2018

# **Attachment 2**

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**ATTACHMENT 2**  
**MONTOUR SUBSTATION PROJECT**  
**DUQUESNE LIGHT COMPANY DESIGN CRITERIA, ELECTROMAGNETIC FIELD**  
**POLICY AND APPLICATION, AND SAFETY PRACTICES**

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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.

Similarly, in Substations Duquesne Light meets or surpasses all NESC requirements for phase-to-phase and phase-to-ground clearances. For example, the 138kV phase-to-ground is 51 inches however Duquesne Light uses 54 inches. Duquesne Light also meets or exceeds requirements for substation structures as specified in ASCE 113, ASCE 7, IBC, and AISC.

### Electromagnetic Field Management Practices for New Transmission Lines

#### *a. Transmission Line Planning*

All electric currents, including those running within electric transmission lines, generate electric and magnetic fields (sometimes referred to jointly as electromagnetic fields or EMF). Electric and magnetic fields share some similarities, but have differences as well. Magnetic fields are directly related to the flow of electrical current in wires and devices. Electric fields are directly related to voltage, which creates the force to make electrical current flow. Both fields decrease quickly with distance from the source. Electric fields are easily blocked by ordinary objects; magnetic fields are not. For this reason, among others, magnetic fields have been the object of most health research and is the focus of Duquesne Light's EMF mitigation measures.

A large body of scientific evidence does not demonstrate that exposure to EMF are harmful, although guidelines have been set. The EMF exposure standard for the United States is the IEEE Standard C95.6 "Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0-3 kHz," which specifies maximum permissible exposure (MPE) limits for the general public of 9040mG (60 Hz) for

magnetic fields and 10kV/m (60 Hz) for electric fields within in the right-of-way and 5 kV/m off the right-of-way. Internally, the World Health Organization does not produce an EMF standard, but recognizes the International Council on Non-Ionizing Radiation Protection (ICNIRP) standard. The 2010 ICNIRP standard “ICNIRP Guidelines for Limiting Exposure to Time-varying Electric and Magnetic Fields (1 hZ to 100 kHz)” lists general public reference levels of 2000mG (60Hz) for magnetic fields and 4.167 kV/m (60Hz) for electric fields. Duquesne Light’s transmission lines have EMF levels that are under the reference levels as indicated in these standards and guidelines. Duquesne Light also takes additional steps in its transmission line planning and design processes to identify and minimize any potential EMF impacts on the surrounding area.

Because EMF decrease significantly with distance from the source, any potential EMF emitted by a new transmission line is highly localized. Duquesne Light therefore first identifies the point(s) in a new transmission line with highest potential for EMF exposure. This point is usually a span with (i) lowest ground clearance, (ii) in densely populated neighborhoods; and (iii) in close proximity to publically-accessible areas (such as public sidewalks).

Second, because magnetic fields are a function of current, the next step is to determine the load current along that point of the transmission line. For this, Duquesne Light uses its power flow models, which are based upon projected load growth ten years into the future. Duquesne Light examines two load scenarios: (i) the “50/50” expected peak load forecast (i.e., projections indicate 50% chance the peak will be less than the scenario, and 50% chance the peak will be greater), and (ii) the “90/10” high load condition (i.e., projections indicate 90% chance the peak will be less than the scenario, and 10% the peak will be greater). These power flow studies also consider various contingencies, such as a generators being offline and other transmission lines being out of service. After evaluating the scenarios and contingencies, the greatest load currents on the transmission lines being studied are used for the EMF study. Where Duquesne Light plans to replace an existing transmission line with a new transmission line, it calculates the load in the same way for the existing transmission line as though the new line were not built, so that the net effect on the EMF levels can be determined.

Third, as part of its design process, Duquesne Light adjusts the line design to minimize the potential for exposure to EMF. For example, where a line has two 138 kV circuits, Duquesne Light balances circuit loads where practical to maximize the EMF-mitigating effects of reverse phasing.

*b. Montour Substation Project*

Since all of this work is being constructed on Duquesne Light property, no electromagnetic field investigations were performed.

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.

For Substations, equipment is inspected on a routine periodicity depending upon equipment type.

### 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.

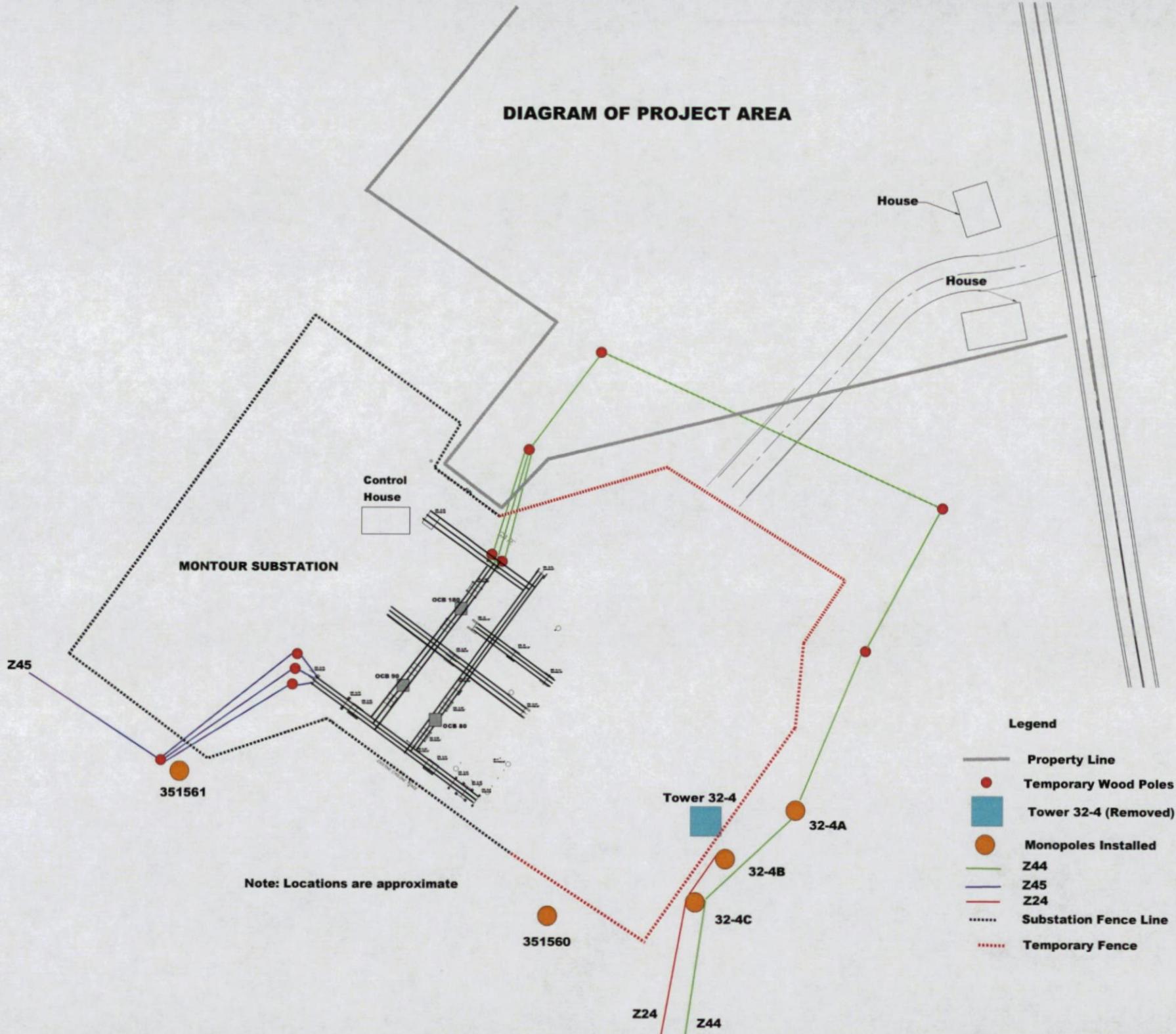
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# DIAGRAM OF PROJECT AREA



## Legend

-  Property Line
-  Temporary Wood Poles
-  Tower 32-4 (Removed)
-  Monopoles Installed
-  Z44
-  Z45
-  Z24
-  Substation Fence Line
-  Temporary Fence

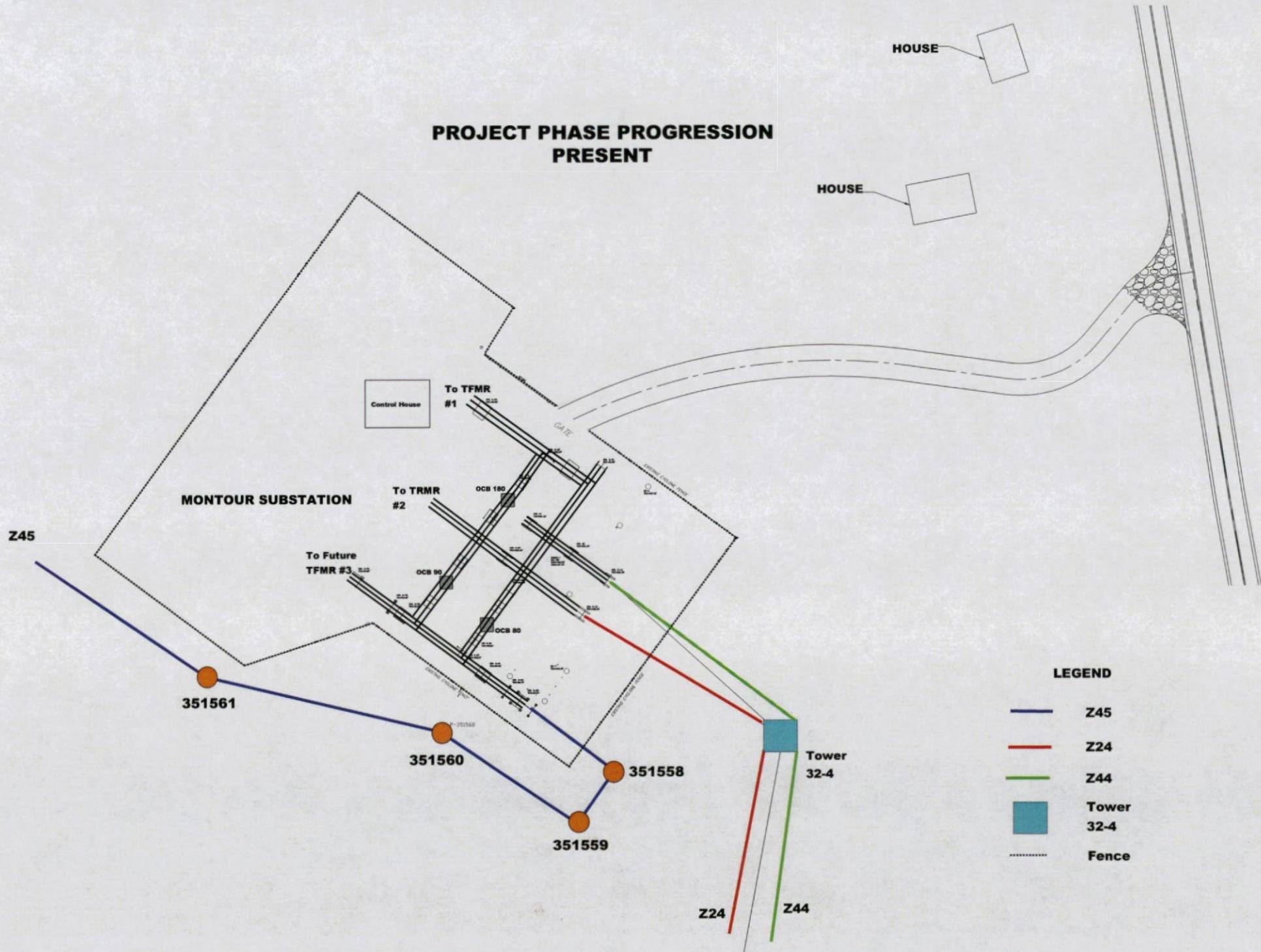
# **Attachment 4**

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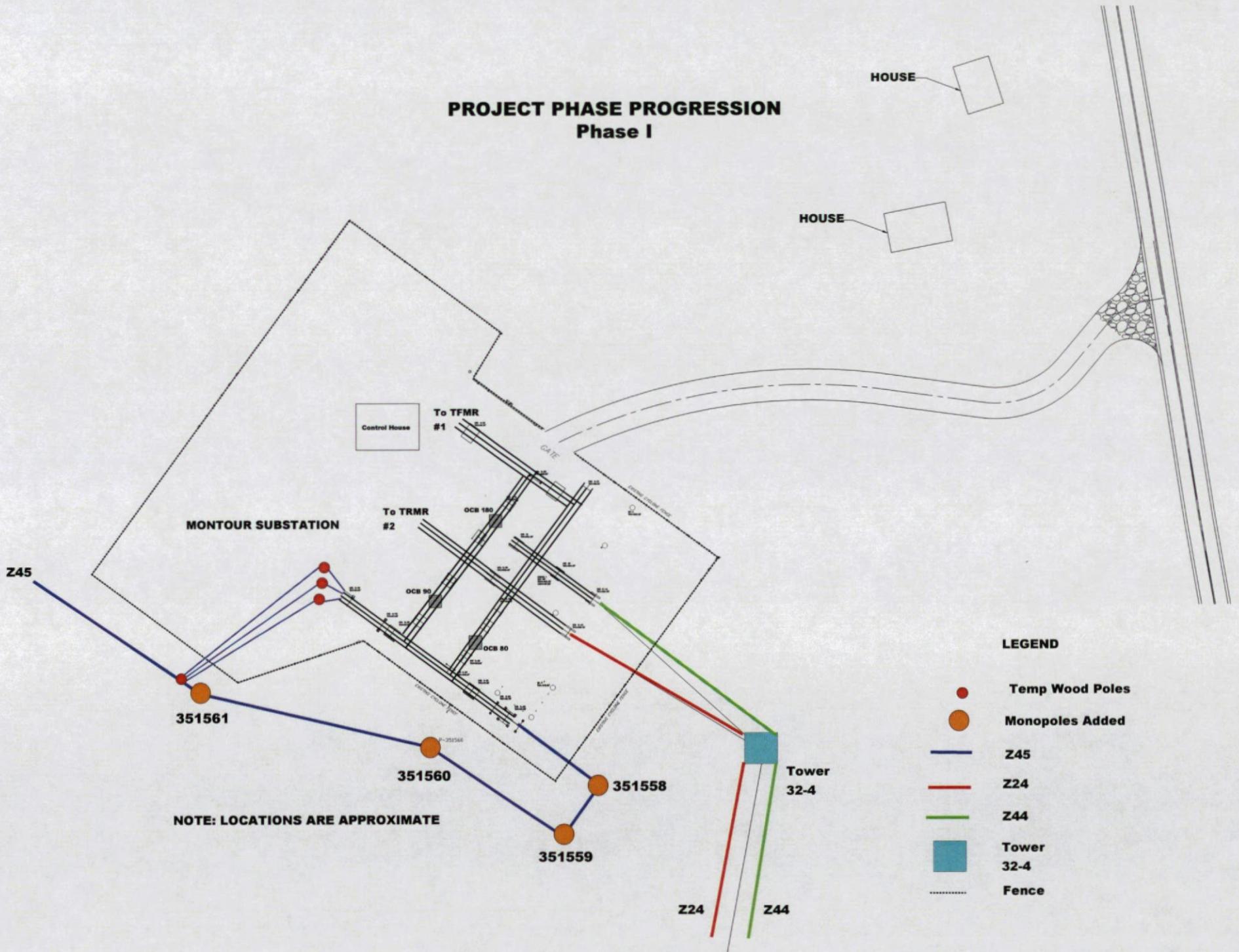
# PROJECT PHASE PROGRESSION PRESENT



## LEGEND

- Z45
- Z24
- Z44
- Tower 32-4
- Fence

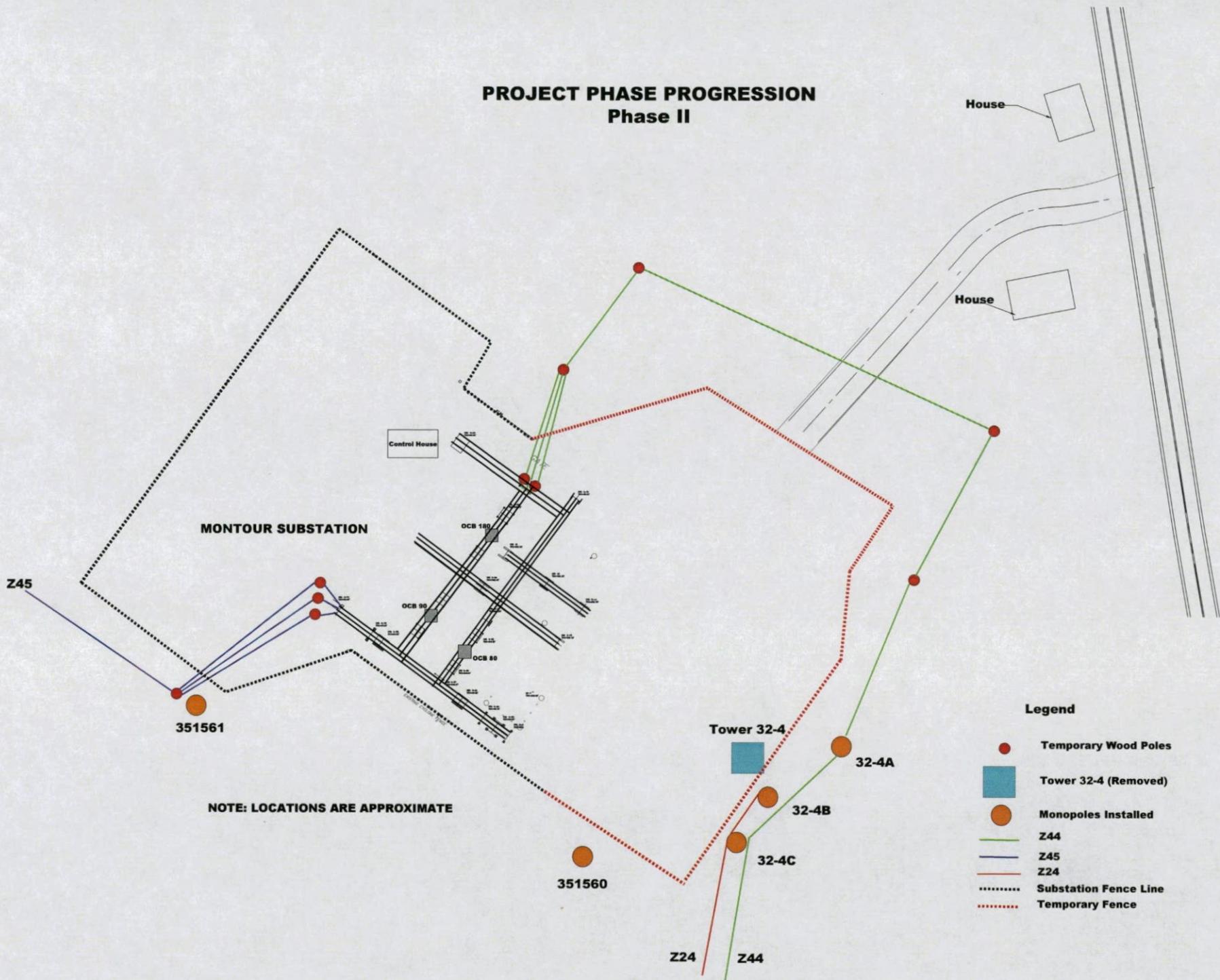
# PROJECT PHASE PROGRESSION Phase I



### LEGEND

- Temp Wood Poles
- Monopoles Added
- Z45
- Z24
- Z44
- Tower 32-4
- Fence

# PROJECT PHASE PROGRESSION Phase II



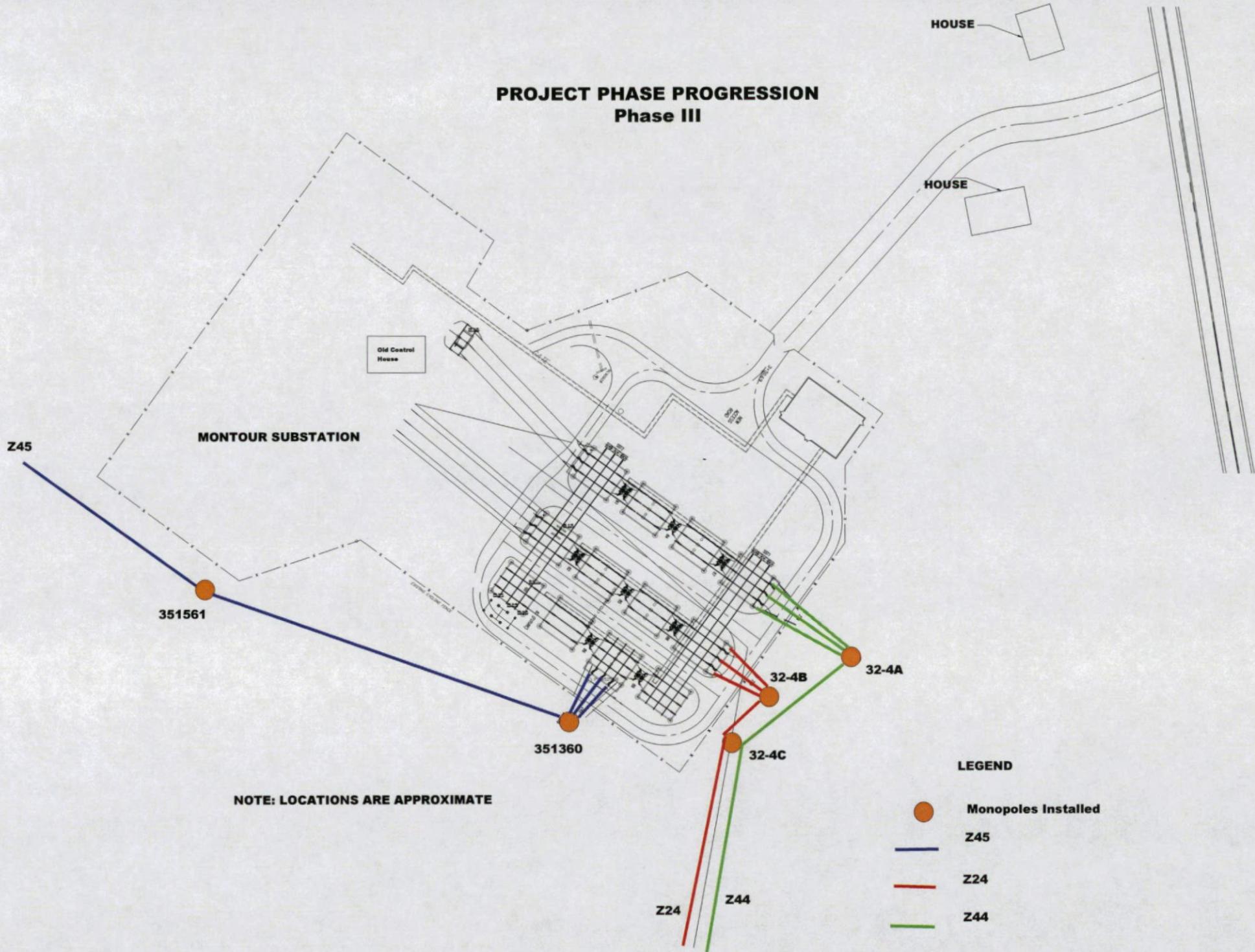
**MONTOUR SUBSTATION**

**NOTE: LOCATIONS ARE APPROXIMATE**

**Legend**

- Temporary Wood Poles
- Tower 32-4 (Removed)
- Monopoles Installed
- Z44
- Z45
- Z24
- Substation Fence Line
- Temporary Fence

# PROJECT PHASE PROGRESSION Phase III



MONTOUR SUBSTATION

Old Control House

HOUSE

HOUSE

Z45

351561

351360

32-4B

32-4A

32-4C

NOTE: LOCATIONS ARE APPROXIMATE

### LEGEND

- Monopoles Installed
- Z45
- Z24
- Z44

Z24

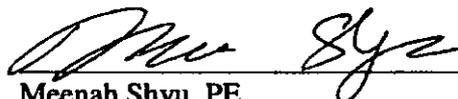
Z44

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Letter of Notification of Duquesne Light :  
Company, Filed Pursuant to 52 Pa. Code :  
Chapter 57 Subchapter D, for Approval to : Docket No. A-2018-\_\_\_\_\_  
Upgrade an Existing 138KV Ring Bus at :  
Montour Substation in Robinson Township, :  
Allegheny County. :  
:

**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: June 19, 2018

**RECEIVED**  
JUN 19 2018  
PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

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Montour Substation in Robinson Township, :  
Allegheny County. :  
:

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true copy of the Letter of Notification and Attachments upon the participants listed below in accordance with the requirements of 52 Pa. Code § 57.74(b) (relating to service of copies):

**VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Rick Urbano – Chairman  
Robinson Township Planning Commission  
1000 Church Hill Road  
Pittsburgh, PA 15205

Allegheny County Planning Commission  
Rich Fitzgerald – County Executive  
Allegheny County  
436 Grant Street  
Pittsburgh, PA 15219

Patrick McDonnell – Acting Secretary  
Department of Environmental Protection  
Rachel Carson State Office Building  
400 Market Street  
Harrisburg, PA 17101

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SECRETARY'S BUREAU

**Leslie S. Richards – Secretary**  
**PA Department of Transportation**  
**Keystone Building**  
**400 North St.**  
**Harrisburg, PA 17120**

**Nancy Moses – Chairman**  
**Historical and Museum Commission**  
**State Museum Building**  
**300 North Street**  
**Harrisburg, PA 17120**

**Donna Killingsworth – Manager Real Estate**  
**Pittsburgh & Ohio Central RR Co, c/o Genesee & Wyoming Railroad Services, Inc.**  
**13901 Sutton Park Dr., S Suite 160**  
**Jacksonville, FL 32224**

**Donald Newman – Chairman of the Board**  
**Allegheny County Conservation District**  
**River Walk Corporate Center**  
**33 Terminal Way, Suite 325B**  
**Pittsburgh, PA 15219**

**John Soprano – Director**  
**Bureau of Enforcement and Investigation**  
**Penn Center, 2601 N. 3<sup>rd</sup> Street**  
**Harrisburg, PA 17110**

**Tanya J. McCloskey – Acting Consumer Advocate**  
**Pennsylvania Office of Consumer Advocate**  
**555 Walnut Street**  
**Forum Place, 5<sup>th</sup> Floor**  
**Harrisburg, PA 17101-1923**

**John R. Evans – Small Business Advocate**  
**Pennsylvania Office of Small Business**  
**300 North Second Street, Suite 202**  
**Harrisburg, PA 17101**

**RECEIVED**

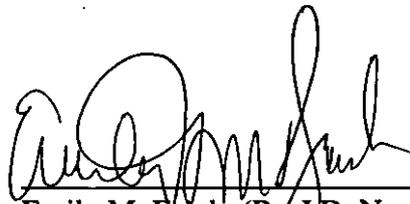
**JUN 19 2018**

**PA PUBLIC UTILITY COMMISSION**  
**SECRETARY'S BUREAU**

Richard Kanaskie  
Bureau of Investigation & Enforcement  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> Floor West  
PO Box 3265  
Harrisburg, PA 17105-3265

Jennifer Lynn Rubolino  
2092 Forest Grove Road  
Coraopolis, PA 15108

Jason M. Rubolino  
2094 Forest Grove Road  
Coraopolis, PA 15108



Emily M. Farah, (Pa. I.D. No. 322559)  
Counsel, Regulatory  
Duquesne Light Company  
411 Seventh Avenue, 15<sup>th</sup> Floor  
Pittsburgh, PA 15219  
Phone: 412-393-6431  
Email: [efarah@duqlight.com](mailto:efarah@duqlight.com)

*Counsel for Duquesne Light Company*

Date: June 19, 2018

RECEIVED

JUN 19 2018

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

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.
  3. GETTING YOUR SHIPMENT TO UPS  
Customers with a Daily Pickup  
Your driver will pickup your shipment(s) as usual.
- Customers without a Daily Pickup**  
Take your package to any location of The UPS Store®, UPS Access Point(TM) 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.  
Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.  
Hand the package to any UPS driver in your area.

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PVA INTERACTIVE  
2004 SMALLMAN ST  
PITTSBURGH, PA 15222

UPS Access Point™  
THE UPS STORE  
1735 E CARSON ST  
PITTSBURGH, PA 15203

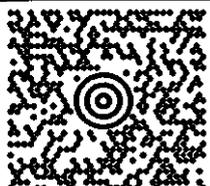
UPS Access Point™  
WALTHIRE PHARMACY  
1435 SPRING GARDEN AVE  
PITTSBURGH, PA 15212

FOLD HERE

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

0.5 LBS LTR 1 OF 1

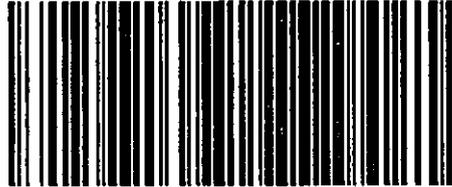
**SHIP TO:**  
ROSEMARY CHIAVETTA, SECRETARY  
412-393-1541  
PENNSYLVANIA PUC  
400 NORTH STREET, 2ND FLOOR  
COMMONWEALTH KEYSTONE BUILDING  
HARRISBURG PA 17120-0093



PA 171 9-20



**UPS NEXT DAY AIR** **1**  
TRACKING #: 1Z 187 399 01 9990 6081



BILLING: P/P

Cost Center: 004  
Reference # 2: Emily M. Farah



CS 20.0.42 WNTNV50 99.0A 04/2018

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