

INDEX TO EXHIBITS

Docket No. A-2019-3008589, A-2019-3008652

Hearing Date: February 3, 2021

Duquesne Light Statement No.:

1 (Direct - Harchick)
1R (Rebuttal - Harchick)
1A (Amended Direct - Harchick)
1-Schaffer (Direct - Gannon with Exhibits LG-1-Schaffer
through LG-4-Schaffer)
1-Schaffer (Rebuttal - Gannon with Exhibits LG-1-Schaffer and
LG-5-Schaffer)
2 (Direct - Kay)
2R (Rebuttal - Kay)
2A (Amended Direct - Kay)
3 (Direct - Shyu)
3R (Rebuttal - Shyu)
3A (Amended Direct - Shyu)
3A-R (Amended Rebuttal - Shyu)
4 (Direct - Gannon)
4R (Rebuttal - Gannon with Exhibits LG-1 and LG-5)
4A (Amended Direct - Gannon)
4A-R (Amended Rebuttal - Gannon with Exhibits LG-1 and
LG-2)
5R (Rebuttal - Hilderbrand with Exhibit JCH-1)

INDEX TO EXHIBITS (cont'd)

Docket No. A-2019-3008589, A-2019-3008652

Hearing Date: February 3, 2021

Duquesne Light Statement No.:

5A-R (Amended Rebuttal - Harchick)

6R (Rebuttal - Hartle)

Duquesne Light Exhibit No.:1 (Full Siting Application with Attachments 1 through
4 and 6 through 13)3 (Amended Full Siting Application with Attachments
1 through 4 and 6 through 13)

5-Schaffer (Schaffer Condemnation Application)

Alkazan Statement No.:

1 (Direct - Lichte with Exhibits A through C)

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-_____
Subchapter G, for Approval of the Siting and :
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island-** :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 1

Written Direct Testimony of

Jason A. Harchick

**Topics Addressed: Need for the Project
Description of the Project**

1 **I. INTRODUCTION**

2 **Q. Please state your full name and business address.**

3 A. My name is Jason A. Harchick. My business address is 2839 New Beaver
4 Avenue, Pittsburgh, PA 15233.

5
6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by Duquesne Light Company (“Duquesne Light” or “Company”)
8 as the General Manager, System Planning, Protection, and Compliance.

9
10 **Q. What are your current responsibilities?**

11 A. I am responsible for system planning, which includes the performance of
12 economic, investigative, and operational assessments related to Duquesne Light's
13 transmission and distribution system and its interaction with other transmission
14 entities.

15
16 **Q. Please provide your educational background.**

17 A. I received a B.S. degree in Electrical Engineering, with a concentration in power,
18 from the University of Pittsburgh in April 2008, and a M.S. degree in Electrical
19 Engineering from the University of Pittsburgh in April 2013. I have been a
20 registered professional engineer in the Commonwealth of Pennsylvania since
21 January 2014.

22

23

24

1 **Q. Please describe your professional experience.**

2 A. I began working as a Transmission Planning Engineer at Duquesne Light in 2008
3 and was promoted to Manager, Transmission Planning in November 2013. I was
4 promoted to Senior Manager, System Planning and Protection, in October 2015. I
5 promoted to Senior Manager, System Planning, Protection, and Compliance in
6 April 2018. I assumed my current responsibilities as General Manager, System
7 Planning, Protection and Compliance in August 2018.

8

9 **Q. What is the subject matter of your direct testimony?**

10 A. The purpose of my testimony is to summarize the information detailed in
11 Attachment 2 to Duquesne Light's Application, *i.e.*, the Necessity Statement. As
12 such, I will describe: (1) Duquesne Light's system planning process, including the
13 role of PJM Interconnection, L.L.C. ("PJM"); (2) the existing system serving the
14 areas of Aleppo Township, Bell Acres Borough, Coraopolis, Edgeworth Borough,
15 Findlay Township, Franklin Park Borough, Glen Field Township, Haysville
16 Borough, Kennedy Township, Leet Township, Leetsdale Borough, McKees
17 Rocks Borough, Moon Township, Neville Island, Osbourne Borough., Robinson
18 Township, Sewickley Borough, Sewickley Heights Borough, Sewickley Hills
19 Borough, and Stowe Township in Allegheny County; (3) the need for the existing
20 transmission line; (4) Duquesne Light's third party inspection of the existing
21 infrastructure; and (5) the proposed Project and explain the future need for 345
22 kV.

23

1 **Q. Are you responsible for the preparation of any of the Attachments or exhibits**
2 **filed with the above captioned Application?**

3 A. Yes; the Necessity Statement, Attachment 2 to the Application, was prepared
4 under my supervision and direction.

5
6 **II. OVERVIEW OF PLANNING PROCESS**

7 **Q. Please provide an overview of system planning.**

8 A. System planning is the process which assures that transmission and distribution
9 systems can supply electricity to all customer loads reliably and economically.
10 The reliable and economical operation of transmission and distribution systems
11 requires planning guidelines for system expansion and reinforcement.

12
13 **Q. Can you briefly describe PJM, its responsibilities and Duquesne Light's role**
14 **as a member of PJM?**

15 A. Yes. PJM is a FERC-approved Regional Transmission Organization charged with
16 ensuring the reliable and efficient operation of the electric transmission system
17 under its functional control, and coordinating the transmission of electricity in all
18 or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New
19 Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia
20 and the District of Columbia. The Necessity Statement more fully describes the
21 process by which PJM meets these responsibilities. *See* Attachment 2, pp. 2-3.

22 Duquesne Light, an owner of transmission facilities in Pennsylvania, is a
23 member of PJM and actively participates in the PJM transmission planning
24 process.

1 **Q. Please describe Duquesne Light’s system planning process.**

2 A. The reliable and economical operation of Duquesne Light’s transmission system
3 requires planning criteria for system expansion and reinforcement. The Duquesne
4 Light planning criteria are outlined in the *Duquesne Light Company Transmission*
5 *Planning Criteria* document, which is more fully described in the Necessity
6 Statement. *See Attachment 2, pp. 2-5.*

7 Using the *Duquesne Light Company Transmission Planning Criteria*,
8 Duquesne Light’s transmission system is planned so that it can be operated at all
9 projected load levels and during normal scheduled outages. The system is also
10 planned to withstand specific unscheduled contingencies without exceeding the
11 equipment capability, causing system instability or cascade tripping, exceeding
12 voltage tolerances, or causing large-scale, long term or frequent interruptions to
13 customers.

14

15 **III. NEED FOR PROPOSED PROJECT**

16 **Q. What existing Duquesne Light facilities are the subjects of the Project?**

17 A. The Brunot Island-Crescent corridor has some of Duquesne Light’s oldest in-
18 service steel lattice towers. The Project addresses the results of the structural
19 evaluations along the Brunot Island-Crescent corridor which determined that the
20 structures are approaching end of life and indicate the structures are beyond
21 permanent repair and require replacement. *See Attachment 2, pp. 5-6.* The
22 structural evaluations and inspections were completed by an independent
23 engineering firm with experience in transmission tower design.

24

1 **Q. Please describe the existing system relevant to this proposed Project.**

2 A. Duquesne Light's transmission system consists of approximately 686 circuit-
3 miles of overhead and underground transmission lines operating at voltages of 69
4 kV, 138 kV and 345 kV. The transmission system forms a large loop around the
5 City of Pittsburgh and its suburbs, and links load centers with generating facilities
6 located to the east and to the west of the service area.

7 The transmission corridor from the Brunot Island Substation to the Crescent
8 Substation provides a transmission source to three distribution substations
9 including Sewickley, Montour, and Neville Substations. The Sewickley
10 Substation provides electrical service to approximately 24,000 customers, the
11 Montour Substation provides electrical service to approximately 35,000
12 customers, and the Neville Substation provides electrical service to approximately
13 5,500 customers. In addition, this transmission corridor allows for a significant
14 flow of load current from the western portion of the system to the City of
15 Pittsburgh as well as its eastern suburbs. These transmission lines are included in
16 DLC's future year assessments of its transmission system which are performed in
17 support of the TPL-001 NERC Reliability Standard.

18
19

20 **IV. DESCRIPTION OF PROPOSED PROJECT**

21 **Q. Please describe the proposed Project.**

22 A. To address aging structures described above, Duquesne Light proposes to
23 construct the Brunot Island-Crescent 138 kV Transmission Corridor that will
24 extend approximately 14.5 miles between the Brunot Island Substation in the City

1 of Pittsburgh and the Crescent Substation in Crescent Township and ties into the
2 Sewickley, Montour, and Neville Substations along its path. The proposed
3 Project is further explained in the Direct Testimony of Meenah Shyu (Duquesne
4 Light Statement No. 3). A description of the siting and location of the Brunot
5 Island-Crescent 138 kV Transmission Line is further explained in the Direct
6 Testimony of Aimee Kay (Duquesne Light Statement No. 2).

7

8 **Q. Why is Duquesne Light planning to rebuild one circuit to 345 kV standards?**

9 A. Duquesne Light performs future year assessments of the transmission system
10 using projected load forecasts of 5 and 10 years into the future. During these
11 future assessments, Duquesne Light does not experience overloads in this
12 corridor. However, during certain planned or unplanned transmission outages,
13 Duquesne Light does experience an increase in load flow through this corridor.
14 Although the additional capacity provided by a 345 kV transmission circuit is not
15 required at this time, Duquesne Light anticipates this need will arise prior to the
16 expected life of the new transmission structures. As such, building one circuit to
17 345 kV standards during this project and raising the voltage when the need arises
18 will be a more cost effective solution than building an entirely new 345 kV circuit
19 in the future. Designing the structures so that one circuit will operate at 345 kV
20 requires increased pole height to allow for additional spacing between the
21 conductors. Additional details of the structure design can be found in Attachment
22 4 and the Direct Testimony of Meenah Shyu (Duquesne Light Statement No. 3).

23

1 **Q. What is the in-service date of the proposed Project?**

2 A. The in-service date is December 31, 2023.

3

4 **Q. Has the proposed Project been reviewed by PJM?**

5 A. Yes. The proposed Project was reviewed by PJM stakeholders and included in
6 PJM's Regional Transmission Expansion Plan ("RTEP") as projects s0320 and
7 s0320.1.

8

9 **Q. Does this conclude your direct testimony?**

10 A. Yes, it does. If necessary, I will supplement my testimony if and as additional
11 issues arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company :
filed Pursuant to 52 Pa. Code Chapter 57, :
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008589
Construction of the 138 kV Transmission : Docket No. A-2019-3008652
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon :
Township, and Crescent Township, :
Allegheny County, Pennsylvania :

Duquesne Light Company

Statement No. 1-R

Written Rebuttal Testimony of

Jason A. Harchick

**Topics Addressed: Need for the Project
Description of the Project**



1 **I. INTRODUCTION**

2 **Q. Please state your full name and business address.**

3 A. My name is Jason A. Harchick. My business address is 2839 New Beaver
4 Avenue, Pittsburgh, PA 15233.

5
6 **Q. Did you provide Direct Testimony in this proceeding?**

7 A. Yes. I previously provided Duquesne Light Statement No. 1 in Docket No. A-
8 2019-3008589, which is the docket number assigned to the Full Siting
9 Application for the proposed Brunot Island-Crescent Transmission Line Project
10 (“BI-Crescent Application”) that is currently before the Pennsylvania Public
11 Utility Commission (“PUC” or the “Commission”). The Full Siting Application
12 was consolidated with the related Application at docket number A-2019-3008652
13 (“Schaefer Condemnation Application”). I did not provide Direct Testimony with
14 regard to the Schaefer Condemnation Application.

15

16 **Q. What is the purpose of your Rebuttal Testimony?**

17 A. My rebuttal testimony responds to certain issues raised by Mr. Richard Gable and
18 Mr. Dennis Zona during their oral testimony at the September 10, 2019 Hearing.
19 Specifically, I will address: (1) the present need for the proposed rebuild of
20 existing 138 kV transmission line facilities; and (2) the future need justifying the
21 rebuild to accommodate the potential for a 345 kV configuration.

22

23 **Q. How is the remainder of your testimony organized?**

1 A. Section II of my rebuttal testimony will address the issues raised by Mr. Gable,
2 and Section III will address the issues raised by Mr. Zona.

3

4 **Q. Are you sponsoring any exhibits as a part of your rebuttal testimony?**

5 A. No.

6

7 **II. REBUTTAL TO MR. GABLE'S TESTIMONY**

8 **Q. What does Mr. Gable's claim regarding the future need for the 345 kV?**

9 A. Mr. Gable claims that the proposed BI-Crescent involves eliminating the existing
10 138 kV transmission facilities. (Tr. 140) He also claims that the proposed BI-
11 Crescent Project involves leaving two 138 kV transmission lines, and adding one
12 345 kV transmission line. (Tr. 140)

13

14 **Q. Is Mr. Gable's characterization of the proposed BI-Crescent correct?**

15 A. No. Multiple documents associated with the BI-Crescent Project make clear that
16 the existing transmission facilities will be reconstructed as a double-circuit
17 transmission line with one circuit designed to 138 kV standards and the other
18 circuit designed to 345 kV standards. As such, the proposed BI-Crescent Project
19 asks the Pennsylvania Public Utility Commission ("PUC") for approval to
20 maintain the existing double-circuit configuration that is present in the corridor
21 today, operate both circuits at 138 kV, and permit one of the circuits to be
22 designed to be capable of operating at 345 kV. Furthermore, in the event the
23 Company needs to energize at 345 kV, the Company would seek approval from
24 the PUC before increasing the voltage of the line.

1

2 **Q. Would the Company energize the BI-Crescent corridor to 345 kV without**
3 **first obtaining Commission approval?**

4 A. No. Duquesne Light witness Meenah Shyu made this clear in her direct
5 testimony, stating that the BI-Crescent Project “initially will be operated as a
6 double-circuit 138 kV transmission line until load growth makes it necessary to
7 increase the voltage of the second circuit and necessary approvals are acquired.”
8 (Duquesne Light St. 3, p. 7) In addition, paragraph 22 of the BI-Crescent
9 Application clearly states that the circuit that will be designed to 345 kV
10 standards, “will be operated at 138 kV until load growth or system conditions
11 require this voltage increase and necessary approvals are acquired.” (BI-Crescent
12 Application ¶ 22) Finally, Duquesne Light again made clear in the Necessity
13 Statement attached to the BI-Crescent Application that it would not operate the
14 proposed facilities at 345 kV “until load growth or other system conditions makes
15 it necessary to increase the voltage of the second circuit and necessary approvals
16 are acquired.” (BI-Crescent Application, Attachment 2, p. 8)

17

18 **Q. Why is the Company proposing to design the BI-Crescent Project to have one**
19 **circuit capable of operating at 345 kV in the future?**

20 A. As noted in the BI-Crescent Application, the associated Necessity Statement and
21 my direct testimony (Duquesne Light St. 1), the goal of this proposal is to
22 complete a reconstruction project that both replaces aging transmission system
23 infrastructure while permitting other reliability benefits to be realized. For

1 example, as explained in the Necessity Statement, by constructing one of the
2 circuits to 345 kV standards, Duquesne Light could, after obtaining future
3 necessary approvals, reduce contingency situations involving other 345 kV
4 circuits in its service area and mitigate thermal and voltage issues identified
5 across the system that are anticipated to result from higher-than forecast load
6 growth and the unavailability of generation. (BI-Crescent Application,
7 Attachment 2, p. 7)

8

9 **Q. Are there any other benefits associated with constructing the BI-Crescent to**
10 **have one circuit capable of operation at 345 kV, at this time?**

11 A. Yes, constructing the BI-Crescent Project such that one circuit is capable of
12 operation at 345 kV, after the necessary approvals are acquired, would avoid
13 subsequent construction activities in the event that the circuit was required to
14 operate at 345 kV in the future. If both circuits were designed to only operate at
15 138 kV and a need arose to operate one of these circuits at 345 kV, Duquesne
16 Light would need to redesign and reconstruct all of the transmission structures
17 and transmission conductors associated with this project.

18

19 **Q. Does Mr. Gable's testimony address any of the reasons you have discussed**
20 **that demonstrate it is necessary to design the BI-Crescent Project to have one**
21 **circuit capable of operating at 345 kV in the future?**

22 A. No, he does not.

23

1 **III. REBUTTAL TO MR. ZONA’S TESTIMONY**

2 **Q. How does Mr. Zona characterize the BI-Crescent Application as it relates to**
3 **the ability to energize one of the transmission circuits at 345 kV?**

4 A. Mr. Zona references Exhibit Zona 2 and explains that he has “written the voltages
5 of every one of these insulations that they plan on putting as insulators from the
6 cross arms.” (Tr. 177; Exhibit Zona 2) He then asserts that the top three
7 conductors depicted in Exhibit Zona 2 “are going to be 345 kV” and the lower
8 three conductors “are going to be 138 kV.” (Tr. 177; Exhibit Zona 4) Mr. Zona
9 then references an e-mail conversation with a Duquesne Light employee, Travis
10 Moore, that occurred between February and March 2017 and asserts that as a part
11 of that conversation Mr. Moore stated that “As for the transmission line voltages,
12 the voltages will remain the same as it is today, which is 138 kV for both
13 circuits.” (Tr. 178; Exhibit Zona 6) Based on these documents, Mr. Zona asserts
14 that Duquesne Light is not designing one of the circuits to operate at 345 kV
15 “because they want to spend more of the ratepayer’s money,” but that the circuit
16 is designed this way because it would eventually be energized at 345 kV. (Tr.
17 178)

18
19 **Q. Please respond to Mr. Zona’s characterization of the BI-Crescent Project.**

20 A. As an initial matter, I note that Mr. Zona appears to be characterizing the design
21 of the project for one circuit to be capable of operating at 345 kV as unnecessary,
22 or not needed. As explained with respect to Mr. Gable’s testimony above,
23 Duquesne Light demonstrated in the BI-Crescent Application, the associated
24 Necessity Statement and in my direct testimony that it is necessary to reconstruct

1 these transmission facilities with the capability of one circuit to operate at 345 kV,
2 in the future after the necessary approvals are acquired, in order to obtain
3 important reliability benefits and also avoid additional construction activities that
4 may become necessary in the future.

5 Furthermore, as explained above, Duquesne Light has been clear that the
6 BI-Crescent Project will only be operated at 138 kV, as the existing facilities are
7 operated today, until the Company receives the necessary approvals to operate
8 one circuit at 345 kV. And, once again to be clear, Duquesne Light will not
9 operate the circuit that is designed for 345 kV operations at a voltage level of 345
10 kV until it obtains all necessary approvals to do so.

11

12 **Q. Does Mr. Zona reference or contest the Companies description of the need**
13 **for the BI-Crescent Project in the Application, the Necessity Statement, or**
14 **your direct testimony?**

15 A. No, he does not.

16

17 **Q. Do you agree with Mr. Zona that the BI-Crescent Project is designed such**
18 **that one circuit could be operated at 345 kV because Duquesne Light does**
19 **not want to spend more of its ratepayers' money?**

20 A. I agree that the goal of the project is not to increase rates; the goal of the project is
21 to replace aging transmission infrastructure and improve transmission system
22 reliability. Duquesne Light submits that the proposed design is based upon
23 anticipated need that will arise prior to the expected life of the new transmission

1 structures. As such, building one circuit to 345 kV standards during this project
2 and raising the voltage when the need arises, and after the necessary approvals are
3 acquired, will be a more cost effective solution than building an entirely new 345
4 kV circuit in the future.

5

6

7 **Q. Does this conclude your rebuttal testimony at this time?**

8 A. Yes. However, I reserve the right to supplement my testimony as additional
9 issues arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter : Docket No. A-2019-3008589
G, for Approval of the Siting and Construction : Docket No. A-2019-3008652
of the 138 kV Transmission Lines Associated :
with the **Brunot Island-Crescent Project** in :
the City of Pittsburgh, McKees Rocks Borough, :
Kennedy Township, Robinson Township, :
Moon Township, and Crescent Township,
Pennsylvania

Duquesne Light Company

Statement No. 1-A

Written Amended Direct Testimony of

Jason A. Harchick

**Topics Addressed: Need for the Amended Project
Description of the Amended Project**



1 **I. INTRODUCTION**

2 **Q. Please state your full name and business address.**

3 A. My name is Jason A. Harchick. My business address is 2839 New Beaver Avenue,
4 Pittsburgh, PA 15233.

5
6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by Duquesne Light Company (“Duquesne Light” or “Company”)
8 as the General Manager, System Planning, Protection, and Compliance.

9
10 **Q. What are your current responsibilities?**

11 A. I am responsible for system planning, which includes the performance of economic,
12 investigative, and operational assessments related to Duquesne Light's transmission
13 and distribution system and its interaction with other transmission entities.

14
15 **Q. Please provide your educational background.**

16 A. I received a B.S. degree in Electrical Engineering, with a concentration in power,
17 from the University of Pittsburgh in April 2008, and a M.S. degree in Electrical
18 Engineering from the University of Pittsburgh in April 2013. I have been a
19 registered professional engineer in the Commonwealth of Pennsylvania since
20 January 2014.

21
22 **Q. Please describe your professional experience.**

23 A. I began working as a Transmission Planning Engineer at Duquesne Light in 2008
24 and was promoted to Manager, Transmission Planning in November 2013. I was

1 promoted to Senior Manager, System Planning and Protection, in October 2015. I
2 was promoted to Senior Manager, System Planning, Protection, and Compliance in
3 April 2018. I assumed my current responsibilities as General Manager, System
4 Planning, Protection and Compliance in August 2018.

5
6

7 **Q. What is the subject matter of your direct testimony?**

8 A. The purpose of my testimony is to summarize the information detailed in
9 Attachment 2 to Duquesne Light's Amended Application, *i.e.*, the Necessity
10 Statement. As such, I will describe: (1) Duquesne Light's system planning process,
11 including the role of PJM Interconnection, L.L.C. ("PJM"); (2) the existing system
12 serving the areas of Aleppo Township, Bell Acres Borough, Coraopolis, Edgeworth
13 Borough, Findlay Township, Franklin Park Borough, Glen Field Township,
14 Haysville Borough, Kennedy Township, Leet Township, Leetsdale Borough,
15 McKees Rocks Borough, Moon Township, Neville Island, Osbourne Borough.,
16 Robinson Township, Sewickley Borough, Sewickley Heights Borough, Sewickley
17 Hills Borough, and Stowe Township in Allegheny County; (3) the need for the
18 existing transmission line; (4) Duquesne Light's third party inspection of the
19 existing infrastructure; and (5) provide an overview of the Amended Project in the
20 Amended Application.

21

22 **Q. Are you responsible for the preparation of any of the attachments or exhibits**
23 **filed with the above captioned Amended Application?**

1 A. Yes; the Necessity Statement, Attachment 2 to the Amended Application, was
2 prepared under my supervision and direction.

3

4 **Q. Have you previously provided testimony or sponsored exhibits filed with the**
5 **above captioned Application?**

6 A. Yes. On March 15, 2019, I provided Duquesne Light Statement No. 1 in Docket
7 No. A-2019-3008589, which is the docket number assigned to the Full Siting
8 Application for the proposed Brunot Island-Crescent Transmission Line Project
9 (“BI-Crescent Application”) before the Pennsylvania Public Utility Commission
10 (“PUC” or the “Commission”). I also provided Duquesne Light Statement 1-R
11 regarding the BI-Crescent Application. The related Condemnation Application at
12 Docket number A-2019-3008652 (“Schaefer Condemnation Application”) was
13 consolidated with the BI-Crescent Application. I did not provide testimony with
14 regard to the Schaefer Condemnation Application.

15

16 **II. OVERVIEW OF PLANNING PROCESS**

17 **Q. Please provide an overview of system planning.**

18 A. System planning is the process which assures that transmission and distribution
19 systems can supply electricity to all customer loads reliably and economically. The
20 reliable and economical operation of transmission and distribution systems requires
21 planning guidelines for system expansion and reinforcement.

22

23 **Q. Can you briefly describe PJM, its responsibilities and Duquesne Light’s role**
24 **as a member of PJM?**

1 A. Yes. PJM is a FERC-approved Regional Transmission Organization charged with
2 ensuring the reliable and efficient operation of the electric transmission system
3 under its functional control, and coordinating the transmission of electricity in all
4 or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey,
5 North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the
6 District of Columbia. The Necessity Statement more fully describes the process by
7 which PJM meets these responsibilities. *See Attachment 2, pp. 2-3.* Duquesne
8 Light, an owner of transmission facilities in Pennsylvania, is a member of PJM and
9 actively participates in the PJM transmission planning process.

10

11 **Q. Please describe Duquesne Light's system planning process.**

12 A. The reliable and economical operation of Duquesne Light's transmission system
13 requires planning criteria for system expansion and reinforcement. The Duquesne
14 Light planning criteria are outlined in the *Duquesne Light Company Transmission*
15 *Planning Criteria* document, which is more fully described in the Necessity
16 Statement. *See Attachment 2, pp. 2-5.*

17 Using the *Duquesne Light Company Transmission Planning Criteria*,
18 Duquesne Light's transmission system is planned so that it can be operated at all
19 projected load levels and during normal scheduled outages. The system is also
20 planned to withstand specific unscheduled contingencies without exceeding the
21 equipment capability, causing system instability or cascade tripping, exceeding
22 voltage tolerances, or causing large-scale, long term or frequent interruptions to
23 customers.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

III. NEED FOR PROPOSED PROJECT

Q. What existing Duquesne Light facilities are the subjects of the Project?

A. The Brunot Island-Crescent corridor has some of Duquesne Light’s oldest in-service steel lattice towers. The Project addresses the results of the structural evaluations along the Brunot Island-Crescent corridor which determined that the structures are approaching end of their useful life and indicate the structures are beyond permanent repair and require replacement. *See Attachment 2, pp. 5-6.* The structural evaluations and inspections were completed by an independent engineering firm with experience in transmission tower design.

Q. Please describe the existing system relevant to this Amended Project.

A. Duquesne Light’s transmission system consists of approximately 686 circuit-miles of overhead and underground transmission lines operating at voltages of 69 kV, 138 kV and 345 kV. The transmission system forms a large loop around the City of Pittsburgh and its suburbs, and links load centers with generating facilities located to the east and to the west of the service area.

The transmission corridor from the Brunot Island Substation to the Crescent Substation provides a transmission source to three (3) distribution substations including Sewickley, Montour, and Neville Substations. The Sewickley Substation provides electrical service to approximately 24,000 customers, the Montour Substation provides electrical service to approximately 35,000 customers, and the Neville Substation provides electrical service to approximately 5,500 customers. In addition, this transmission corridor allows for a significant flow of load current

1 from the western portion of the system to the City of Pittsburgh as well as its eastern
2 suburbs. These transmission lines are included in Duquesne Light's future year
3 assessments of its transmission system, which are performed in support of the TPL-
4 001 NERC Reliability Standard.

5

6 **IV. DESCRIPTION OF PROPOSED PROJECT**

7 **Q. Please describe the proposed Amended Project.**

8 A. To address the aging structures described above, Duquesne Light proposes to
9 construct the Brunot Island-Crescent 138 kV Transmission Corridor ("BI-Crescent
10 Corridor") that will extend approximately 14.5 miles between the Brunot Island
11 Substation in the City of Pittsburgh and the Crescent Substation in Crescent
12 Township and ties into the Sewickley, Montour, and Neville Substations along its
13 path. The proposed Amended Project is further explained in the Direct Testimony
14 of Meenah Shyu (Duquesne Light Statement No. 3-A). A description of the siting
15 and location of the Brunot Island-Crescent 138 kV Transmission Line is further
16 explained in the Direct Testimony of Aimee Kay (Duquesne Light Statement No.
17 2-A).

18

19 **Q. Does this piece of Direct Testimony differ from the Direct Testimony you**
20 **previously submitted in this matter?**

21 A. Yes. Duquesne Light Statement No. 1 supported the original proposal of rebuilding
22 one of two existing 138 kV circuits to 345 kV standards. The original proposal
23 indicated that the existing facilities would remain at 138 kV, as they are operated
24 today, until the Company received the necessary approvals to operate one circuit at

1 345 kV. This Duquesne Light Statement No. 1-A supports removing the portion of
2 the original proposal to build one circuit at 345 kV standards.

3

4 **Q. Why is Duquesne Light removing its plan to rebuild one circuit to 345 kV**
5 **standards?**

6 A. Based upon the input Duquesne Light received from its customers through multiple
7 channels and forums, including the feedback received at the public input hearing
8 on October 9, 2019, Duquesne Light is re-engineering the BI-Crescent Project to
9 eliminate the proposal to build of the circuits to 345 kV standards. In addition,
10 changes in circumstances regarding recent generation deactivations may alleviate
11 certain reliability criteria violations that Duquesne Light initially contemplated
12 addressing by building one of the circuits associated with the BI-Crescent Corridor
13 to 345 kV standards. As such, Duquesne Light now plans to rebuild both circuits
14 at the existing 138 kV capacity.

15

16 **Q. How do changes in circumstances regarding recent generation deactivations**
17 **alleviate certain reliability needs contemplated in the original proposal?**

18 A. Power flow analyses indicate the flow of electricity on the Duquesne transmission
19 system typically travels from west to east. The BI-Crescent Corridor supports the
20 flow of electricity from a number of generation stations, including: Beaver Valley,
21 Bruce Mansfield, Davis-Besse, Perry, and Sammis (collectively, “Generation
22 Stations”).

1 In 2018, FirstEnergy Solutions announced it would be closing the Generation
2 Stations. In or around November 2019, the Bruce Mansfield generation station
3 deactivated, which resulted in a loss of 2,490 MW of generating capacity thereby
4 reducing the flow of electricity through the BI-Crescent Project corridor.

5 While the Beaver Valley, Davis-Besse, Perry, and Sammis generating
6 stations have all since rescinded their deactivation notices, the loss of 2,490 MW
7 of generating capacity from the Bruce Mansfield deactivation alleviates the concern
8 of possible reliability criteria violations. Duquesne Light's Amended Application
9 for the BI-Crescent Project removes the proposal to build one of the circuits in the
10 BI-Crescent Corridor to 345 kV standards.

11

12 **Q. What is the in-service date of the proposed Project?**

13 A. The in-service date is May 31, 2027.

14

15 **Q. Has the proposed Project been reviewed by PJM?**

16 A. Yes. The proposed Project was reviewed by PJM stakeholders and included in
17 PJM's Regional Transmission Expansion Plan ("RTEP") as projects s0320 and
18 s0320.1.

19

20 **Q. Does this conclude your direct testimony?**

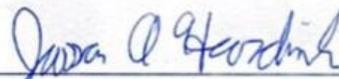
21 A. Yes, it does. If necessary, I will supplement my testimony if and as additional
22 issues arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Jason A. Harchick, General Manager of System Planning, Protection and Compliance, hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).



Jason A. Harchick
General Manager of System Planning,
Protection and Compliance

Date: August 10, 2020

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company :
Under 15 Pa.C.S. § 1511(c) For A Finding :
and Determination That the Service to be :
Furnished by the Applicant Through Its :
Proposed Exercise of the Power of Eminent :
Domain to Acquire a Certain Portion of the :
Lands of **George N. Schaefer** of Moon :
Township, Allegheny County, Pennsylvania :
for the Siting and Construction of :
Transmission Lines Associated with the :
Proposed Brunot Island – Crescent Project is :
Necessary or Proper for the Service, :
Accommodation, Convenience, or Safety of :
the Public :

Docket No. A-2019-_____

DUQUESNE LIGHT COMPANY

STATEMENT NO. 1 (SCHAEFER)

TESTIMONY OF LESLEY GANNON

RECEIVED
2019 MAR 15 AM 11:00
PA PUC
SECRETARY'S BUREAU
FRONT DESK



1 **Direct Testimony of Lesley Gannon**

2 **Q. Please state your full name and business address.**

3 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
4 Pittsburgh, PA 15233.

5
6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as
8 the Senior Manager of Real Estate and Rights of Way. In my position, I am responsible
9 for managing all of the real estate-related acquisitions and divestitures for the Company.

10
11 **Q. What are your qualifications, work experience and educational background?**

12 A. I have been employed by Duquesne Light Company since 2013. In my current position, I
13 manage the Real Estate Department, which has one Real Estate Specialist, one Supervisor
14 of Survey and Right of Way, four surveying technicians, four right of way agents and a
15 clerk. The Real Estate Department was formed in late 2017, and I have been in my
16 current position for one year and 5 months. I am also Assistant Corporate Secretary for
17 the Company.

18 Prior to assuming my present position at Duquesne Light, I was Managing
19 Counsel, Commercial/General in the Company's Office of the General Counsel for 4
20 years and 9 months, in which position I managed all transactional work at the Company,
21 including any legal issues relating to real estate. Prior to being hired by the Company, I
22 performed similar work as contract counsel for the Company from May of 2008. From
23 2005 to 2013, in addition to representing the Company as set forth above, I managed my

1 law firm, Gannon Law Offices, which represented small and mid-sized businesses in the
2 Pittsburgh area in transactional and real estate matters. From 2001 to 2005, I was an
3 associate at Sherrard, German & Kelly, P.C. in their financial services and transactional
4 practice groups. Prior to 2001, I held various positions in the financial services industry.

5 I am an attorney licensed to practice law in the Commonwealth of Pennsylvania
6 since 2001. I graduated from Duquesne University School of Law in 2001 and was
7 admitted to the Pennsylvania Bar in 2001. I also hold a Bachelor of Arts in Business and
8 Communications from Carlow University.

9
10 **Q. What are your responsibilities in connection with the Brunot Island-Crescent**
11 **Project?**

12 **A.** The Company worked with Burns and McDonnell to identify the parcel owners on and
13 adjacent to the proposed Project line, identify any areas in which the Company will
14 require new or enhanced rights of way for the Project, and acquire such rights of way. In
15 October 2017, the Company's Rights of Way and Survey groups came under the new
16 Real Estate Department and my supervision. The Company held public meetings on
17 February 21, 2017, February 28, 2017 and March 2, 2017 at the Crescent Municipal
18 Building, VFW Post 418 Hall in McKees Rocks and Kennedy Township Fire Department
19 to provide information about the Project to owners of property in the area. At this
20 meeting, Company representatives: delivered informational presentations about the
21 Project need, route, design, and operational characteristics; answered questions from
22 attendees; and provided informational literature regarding property owner rights, eminent
23 domain, and a surveying permission form.

1

2 **Q. What is the purpose of your testimony?**

3 A. The purpose of my testimony is to describe the property of George N. Schaefer as it
4 relates to the Project, and describe the Company's proposed right-of-way and easement
5 over said property.

6

7 **Q. Please summarize the proposed Brunot Island - Crescent Project.**

8 A. The Project is the subject of the Application of Duquesne Light Company filed Pursuant
9 to 52 Pa. Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of
10 the 138 kV Transmission Lines Associated with the Brunot Island – Crescent Project in
11 the City of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson
12 Township, Moon Township, and Crescent Township, Allegheny County, Pennsylvania
13 (“Siting Application”), which the Company is filing contemporaneously with the
14 Condemnation Application that is the subject of my testimony.

15 As explained in the Siting Application, the Project is necessary to replace existing
16 facilities and establish a permanent, reliable link between electric transmission facilities
17 from the Brunot Island Substation to the Crescent Substation in Allegheny County. The
18 Company proposes to construct a new 138 kilovolt (“kV”) from the Brunot Island
19 Substation to the Crescent Substation.

20

21 **Q. Does any portion of the Project's Proposed Route cross over the George N. Schaefer**
22 **property?**

1 A. Yes. The 138 kV transmission lines would run approximately 1,079 feet on the property
2 of George N. Schaefer. The Project's proposed crossing over the George N. Schaefer
3 property is illustrated in Duquesne Light Exhibit No. LG-3 (Schaefer), discussed more
4 fully below. The Company has attempted to purchase an easement over the George N.
5 Schaefer property to accommodate the Project, but has been unable to reach an agreement
6 with the property owner to date, as the property owner is deceased.

7

8 **Q. Have you, and/or the right-of-way agents working under your supervision, been to**
9 **the George N. Schaefer property?**

10 A. The survey crew under my supervision has been to the George N. Schaefer property, and
11 the contracted right-of-way agents under the supervision of the Company's former
12 Supervisor of Survey and Rights of Way visited the property.

13

14 **Q. Please describe the property.**

15 A. The land is located in Moon Township with the terrain being undulating, undeveloped
16 and having some thickets and trees and is Zoned - Residential. It is for the most part
17 open with low grass on the property. The lines travel in a northwesterly direction.

18

19 **Q. Are there any dwellings on the property?**

20 A. No.

21

22 **Q. Does the Company's proposed right-of-way and easement of the George N. Schaefer**
23 **property contain any burial grounds or places of worship?**

1 A. No.

2

3 **Q. Please explain Duquesne Light Exhibit LG-1 (Schaefer).**

4 A. Duquesne Light Exhibit LG-1 (Schaefer) is a copy of the Map of the proposed Project.

5

6 **Q. Please explain Duquesne Light Exhibit LG-2 (Schaefer).**

7 A. Duquesne Light Exhibit LG-2 (Schaefer) is a copy of the deed for the George N. Schaefer
8 property, which is recorded in Allegheny County.

9

10 **Q. Please explain Duquesne Light Exhibit LG-3 (Schaefer).**

11 A. Duquesne Light Exhibit LG-3 (Schaefer) is a copy of the Plan showing the George N.
12 Schaefer property, including the portion over which the Company seeks a right of way
13 and easement.

14

15 **Q. Please explain Duquesne Light Exhibit LG-4 (Schaefer).**

16 A. Duquesne Light Exhibit No. LG-4 (Schaefer) is a description of the easement over the
17 Schaefer property, which is depicted in Exhibit No. LG-3 (Schaefer).

18

19 **Q. In your opinion, is the service to be furnished through the condemnation of this
20 property necessary?**

21 A. Yes. The service the Company shall provide through the Project is necessary or proper
22 for the service, accommodation, convenience, or safety of the public for the reasons set
23 forth in my testimony, in this Condemnation Application, and in the Siting Application.

1

2 **Q. Does this conclude your Direct Testimony at this time?**

3 **A. Yes.**

DLC Exhibit LG-1 (Schaefer)

RECEIVED

2019 MAR 15 AM 11:12

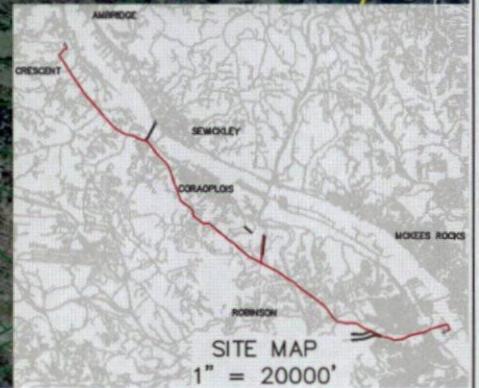
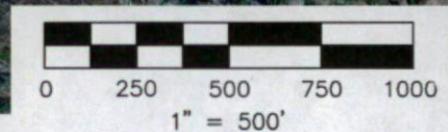
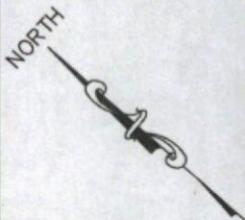
PA PUC

SECRETARY'S BUREAU

LABEL	OWNER NAME
1	MATTHEW & GEORGINA WAIBEL
2	JOSEPH & KAREN GERY

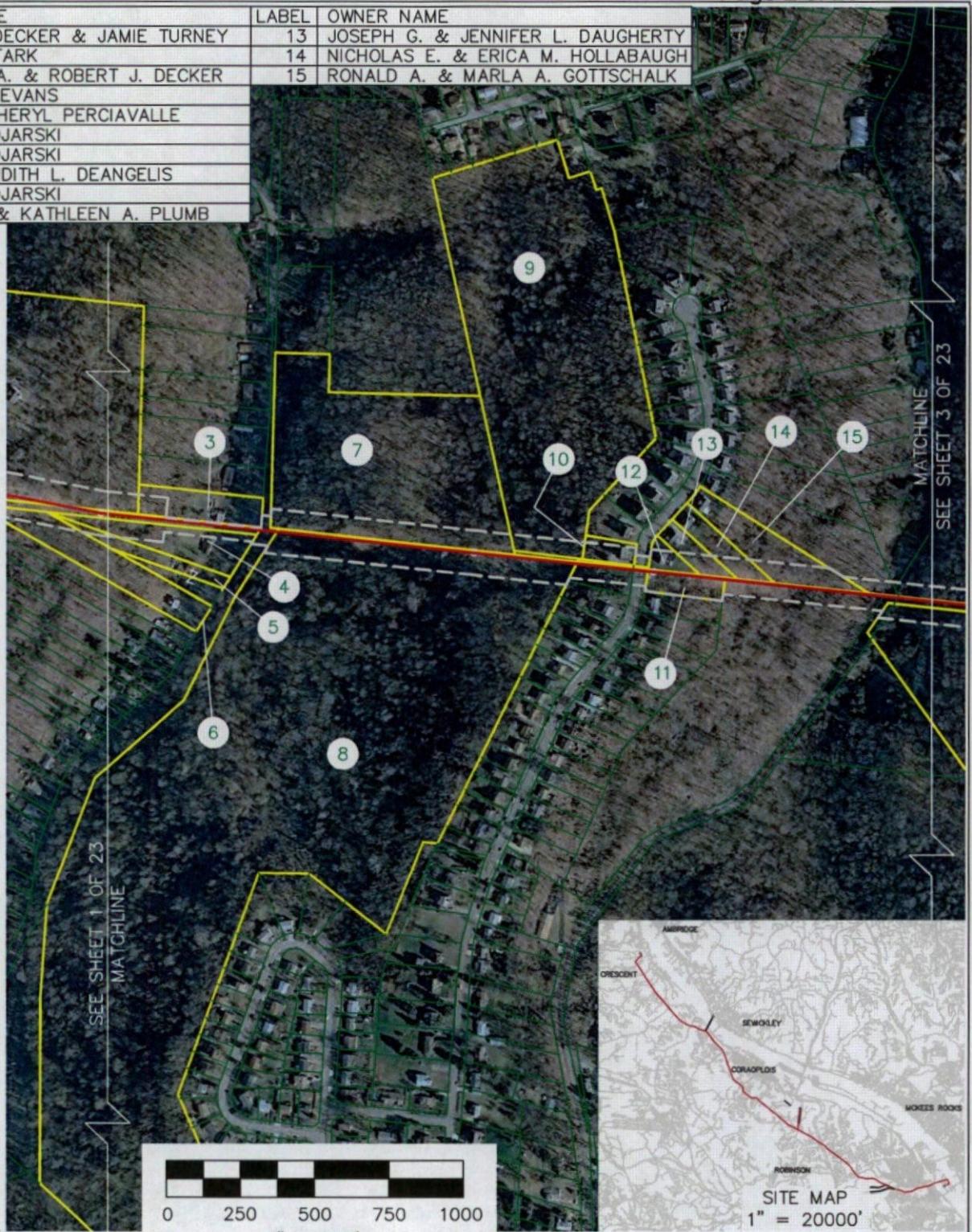


NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

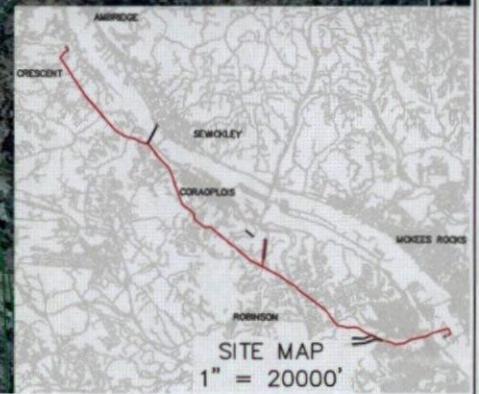
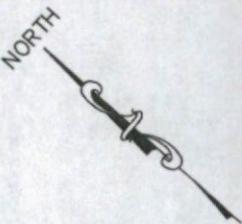


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.	BEAVER COUNTY/ALLEGHENY COUNTY CRESCENT TWP. SHEET 1 OF 23	
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	APP. COMPLETE WHEN INITIALED HERE
—	ROW	DRAWN JLS	CHECKED MEH	ELECT. APP.	
—	PARCEL WITHIN ROW	INSP.	MECH. APP.	STRUCT. APP.	
—	GIS PARCEL BOUNDARY				
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROTECTED COORDINATE SYSTEM: PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC LENGTH: FEET EARTHQUAKE: GEODETIC REFERENCE SYSTEM 80</small>					O.F.E.
					c.o.
					L No. 8790

LABEL	OWNER NAME	LABEL	OWNER NAME
3	ROBERT J. DECKER & JAMIE TURNEY	13	JOSEPH G. & JENNIFER L. DAUGHERTY
4	VICKIE D. STARK	14	NICHOLAS E. & ERICA M. HOLLABAUGH
5	CATHERINE A. & ROBERT J. DECKER	15	RONALD A. & MARLA A. GOTTSCHALK
6	MICHAEL S. EVANS		
7	DANIEL & CHERYL PERCIAVALLE		
8	LOUIS A. BOJARSKI		
9	LOUIS A. BOJARSKI		
10	JAMES & JUDITH L. DEANGELIS		
11	LOUIS A. BOJARSKI		
12	JOSEPH W. & KATHLEEN A. PLUMB		



NOTE:
THE EASEMENT IS VARIABLE IN WIDTH AND IS NOT REPRESENTATIVE ON THE PARCEL.



LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
LINEAR UNITS: FEET
ELLIPSOID: GEODETIC REFERENCE SYSTEM 80

DUQUESNE LIGHT COMPANY			
REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
	DRAWN JLS	ELECT. APP.	
	CHECKED MEH	MECH. APP.	
	INSP.	STRUCT. APP.	

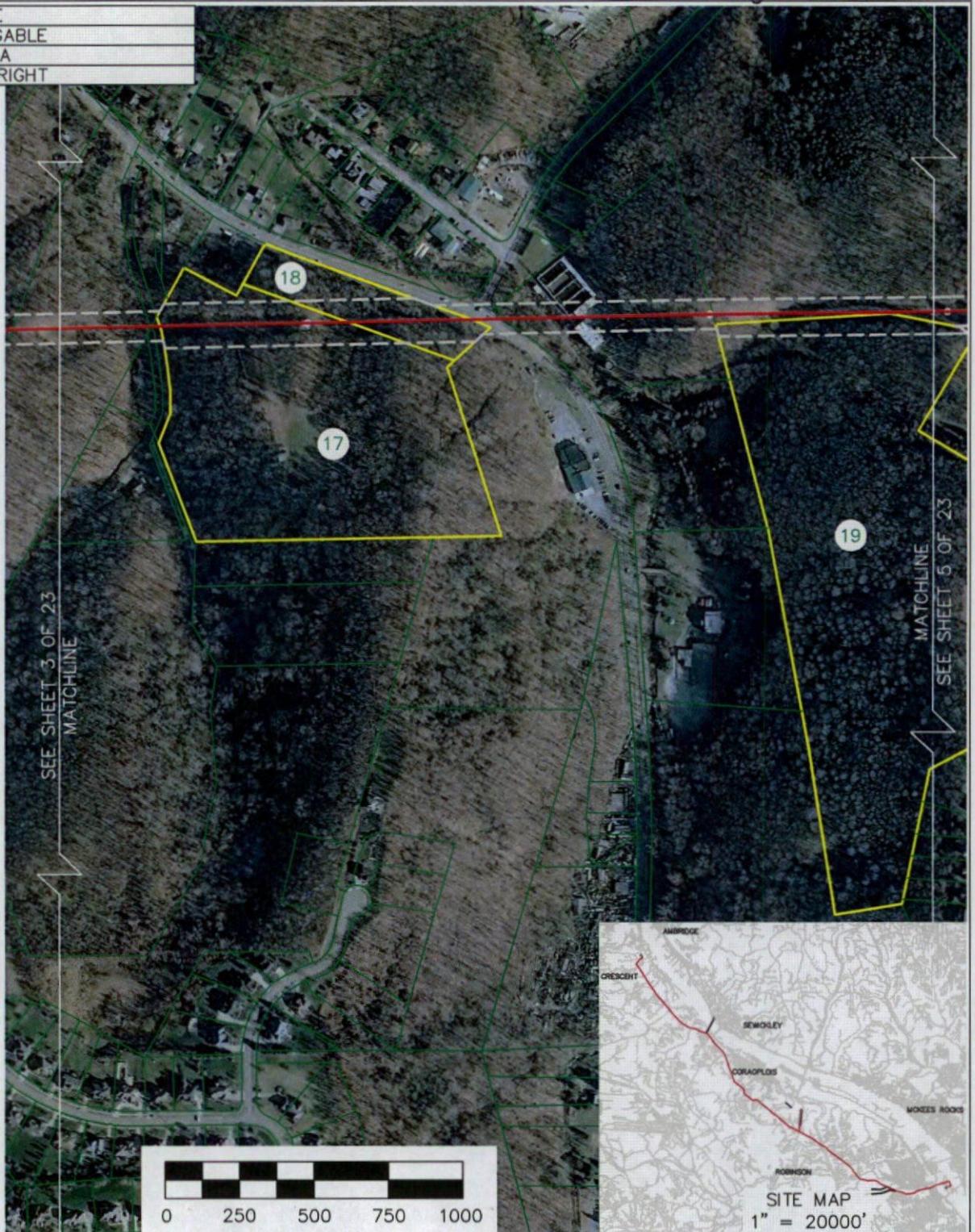
B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY CRESCENT TWP. SHEET 2 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		



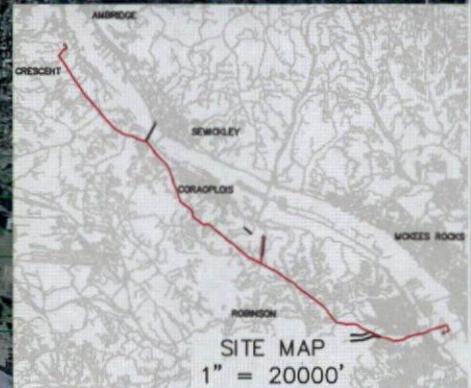
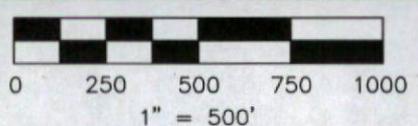
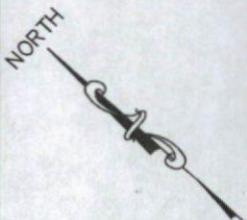
LEGEND △ SUBSTATION — PROPOSED ROUTE — ROW — PARCEL WITHIN ROW — GIS PARCEL BOUNDARY	DUQUESNE LIGHT COMPANY REAL ESTATE DEPT.—SURVEYING PITTSBURGH, PA.		B.I. — CRESCENT AERIAL EXHIBIT		
	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY CRESCENT TWP. SHEET 3 OF 23	
		DRAWN JLS	ELECT. APP.		
		CHECKED MEH	MECH. APP.		
INSP.	STRUCT. APP.	APP. COMPLETE WHEN INITIALED HERE	O.F.E. c.o.	L No. 8790	

SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PASDA)
 PROTECTED COORDINATE SYSTEM: PA STATE PLANE SOUTH
 DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
 PROJECTION: LAMBERT CONFORMAL CONIC
 UNITS: FEET
 EPSG: 3143; GEODETIC REFERENCE SYSTEM 80

LABEL	OWNER NAME
17	RICHARD I. GABLE
18	MARTIN MEDIA
19	DANIEL C. WRIGHT



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



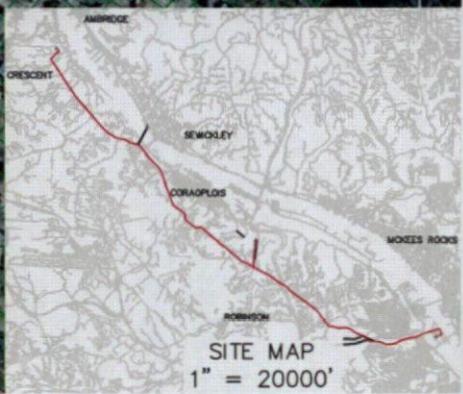
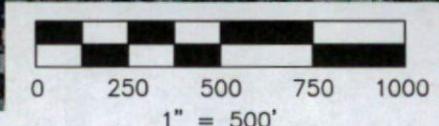
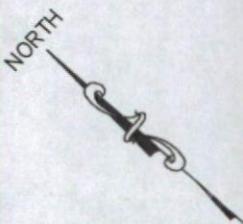
LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT		
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.		
—	PROPOSED ROUTE	SCALE AS SHOWN		ALLEGHENY COUNTY MOON TWP. SHEET 4 OF 23		
—	ROW	DATE 3/04/19	ARCH. APP.	APP. COMPLETE WHEN INITIALED HERE	O.F.E. c.o.	
—	PARCEL WITHIN ROW	DRAWN JLS	ELECT. APP.			L No. 8790
—	GIS PARCEL BOUNDARY	CHECKED MEH	MECH. APP.			
—	INSP.	INSP.	STRUCT. APP.			

SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJECTION: COORDINATE SYSTEM, PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
UNIT: FEET
EARTH: GEOIDIC REFERENCE SYSTEM 80

LABEL	OWNER NAME
20	MICHAEL R. NOVAK
21	GEOFFREY W. & MEGAN A. HATTON
22	CHRISTINA M. COLAROSSO



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

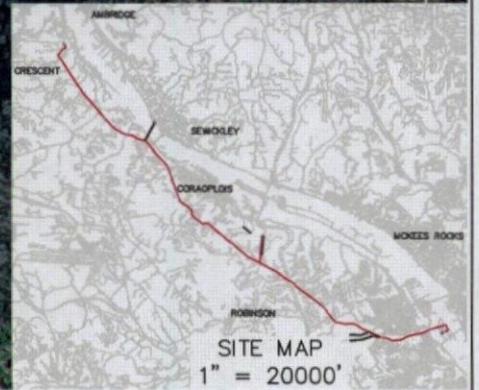


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT				
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.					
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY MOON TWP. SHEET 5 OF 23			
—	ROW		DRAWN JLS	ELECT. APP.				
—	PARCEL WITHIN ROW		CHECKED MEH	MECH. APP.				
—	GIS PARCEL BOUNDARY		INSP.	STRUCT. APP.				
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJ4380 COORDINATE SYSTEM PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: FEET SPHEROID: GEODETIC REFERENCE SYSTEM 80</small>				APP. COMPLETE WHEN INITIALED HERE	<table border="1"> <tr> <td>O.F.E.</td> <td rowspan="2">L No. 8790</td> </tr> <tr> <td>C.O.</td> </tr> </table>	O.F.E.	L No. 8790	C.O.
O.F.E.	L No. 8790							
C.O.								

LABEL	OWNER NAME
23	MORRISON FARMS (CINDRAN INC.)



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



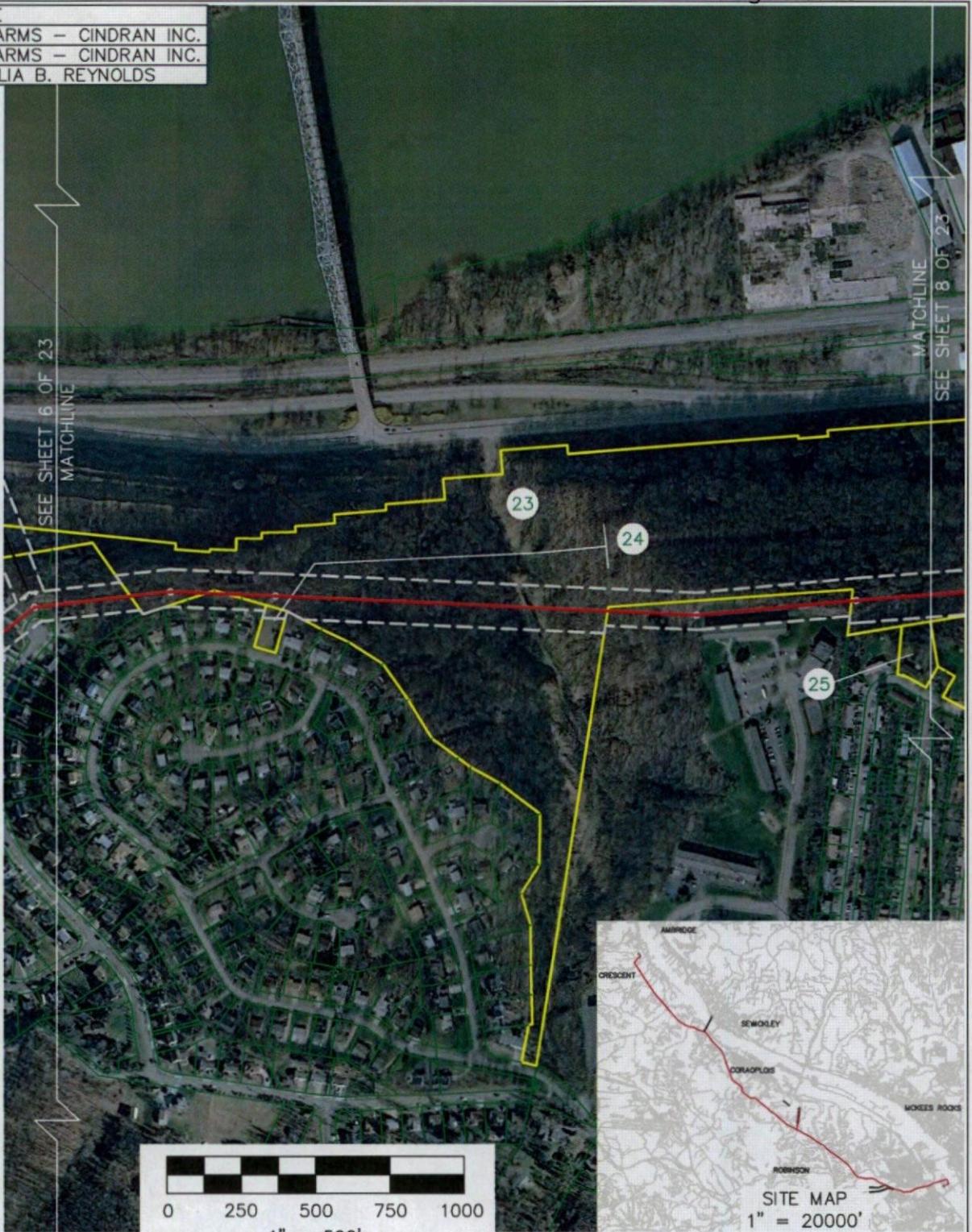
LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJECTED COORDINATE SYSTEM: PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
LINEAR UNITS: FEET
SPHEROID: GEODETIC REFERENCE SYSTEM 80

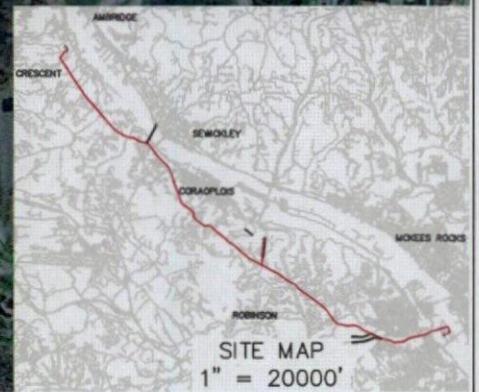
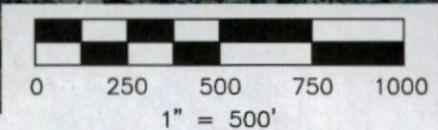
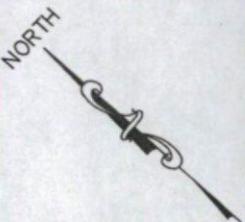
DUQUESNE LIGHT COMPANY		REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
		SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
		DRAWN JLS	ELECT. APP.		
		CHECKED MEH	MECH. APP.		
		INSP.	STRUCT. APP.		

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY MOON TWP. SHEET 6 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME
23	MORRISON FARMS -- CINDRAN INC.
24	MORRISON FARMS -- CINDRAN INC.
25	HENRY & JULIA B. REYNOLDS



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

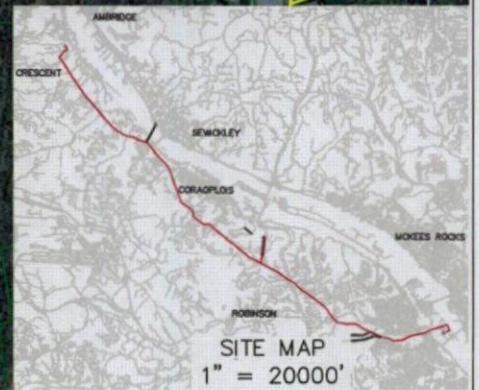
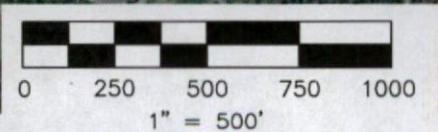
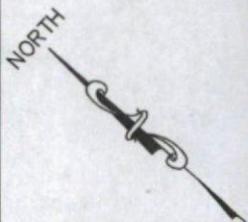


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.		
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY MOON TWP. SHEET 7 OF 23
—	ROW		DRAWN JLS	ELECT. APP.	
—	PARCEL WITHIN ROW		CHECKED MEH	MECH. APP.	
—	GIS PARCEL BOUNDARY		INSP.	STRUCT. APP.	
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM, NORTH AMERICAN DATUM OF 1883 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC LINEAR UNITS: FEET ELLIPSOID: GEODETIC REFERENCE SYSTEM 80</small>					APP. COMPLETE WHEN INITIALED HERE O.F.E. c.o.
					L No. 8790

LABEL	OWNER NAME
26	MOON TOWNSHIP
27	KIM E. & LORI E. SHANNON
28	KIM E. & LORI E. SHANNON
29	JOHN CAMARDESE
30	BANKERS TRUST CO. OF CALIFORNIA
31	CAROLYN MARIE MATLAK
32	ERIC & HEIDI J. USSELMAN
33	ERIC & HEIDI J. USSELMAN
34	MATTHEW EDWARD COPPOLA
35	TWOTUTS PROPERTIES LLC
36	CHARLES J. CLEIS SR.
37	JOLA REALTY LLC
38	JON S. DOMENICO
39	MORGAN MIHOK
40	MICHAEL FERRARA & LYNSIE N. SCHANTZ

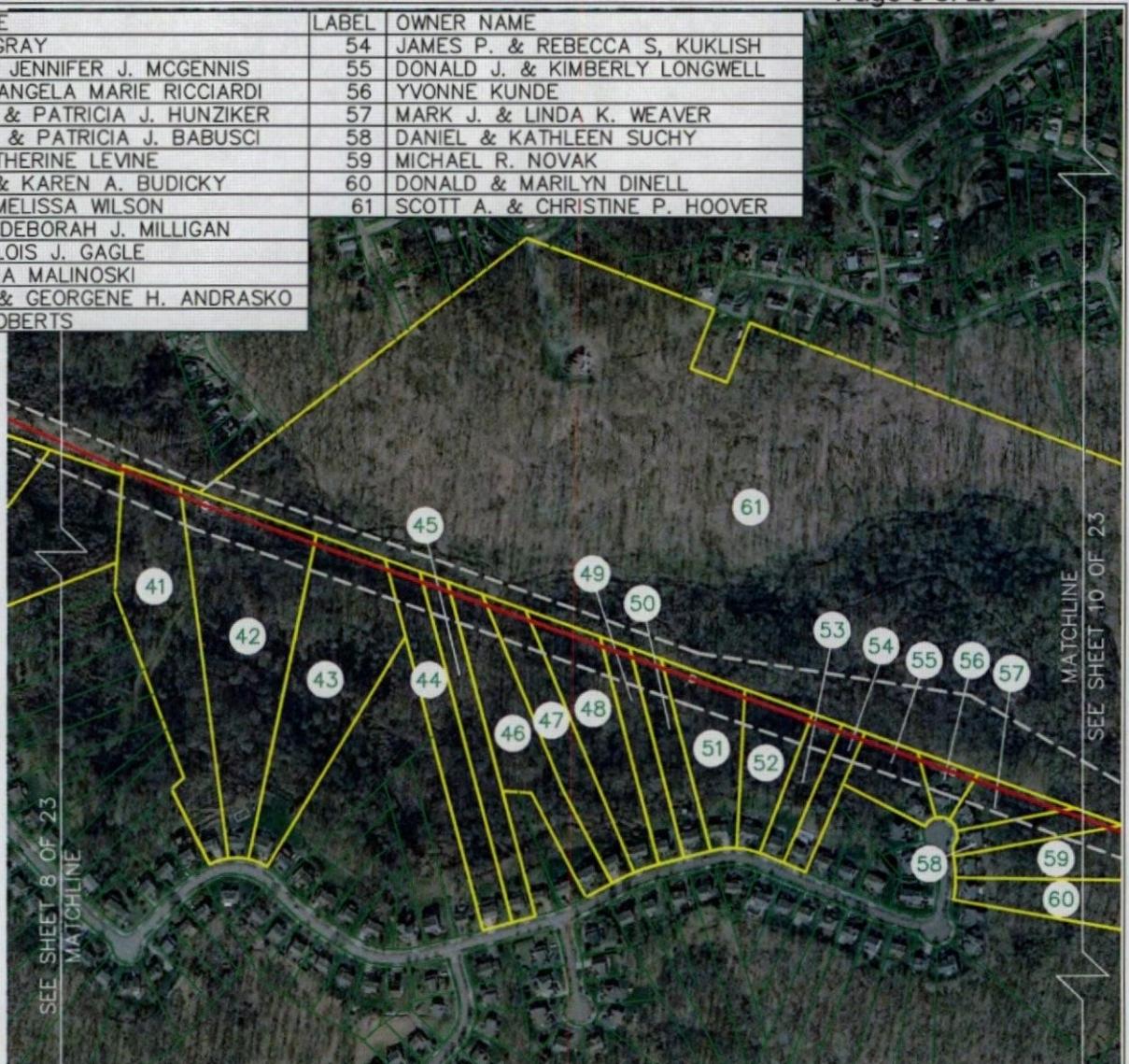


NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

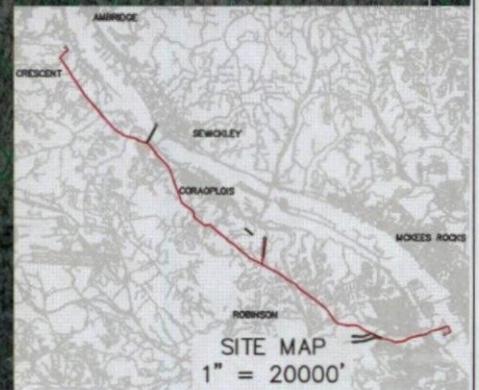
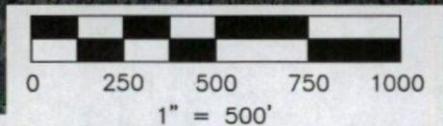
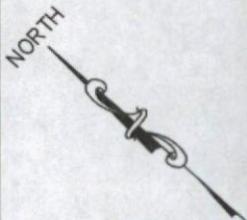


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT		
	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.			
	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY MOON TWP. SHEET 8 OF 23	
	ROW	DRAWN JLS	CHECKED MEH	ELECT. APP.		
	PARCEL WITHIN ROW	INSP.	INSP.	MECH. APP.		
	GIS PARCEL BOUNDARY			STRUCT. APP.		
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM, NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: FEET EARTHQUAKE: GEODETIC REFERENCE SYSTEM 80</small>						
				APP. COMPLETE WHEN INITIALED HERE	O.F.E. c.o.	L No. 8790

LABEL	OWNER NAME	LABEL	OWNER NAME
41	WILLIAM E. GRAY	54	JAMES P. & REBECCA S, KUKLISH
42	BRETT W. & JENNIFER J. MCGENNIS	55	DONALD J. & KIMBERLY LONGWELL
43	VINCENT & ANGELA MARIE RICCIARDI	56	YVONNE KUNDE
44	RICHARD A. & PATRICIA J. HUNZIKER	57	MARK J. & LINDA K. WEAVER
45	ANTHONY J. & PATRICIA J. BABUSCI	58	DANIEL & KATHLEEN SUCHY
46	JOHN & CATHERINE LEVINE	59	MICHAEL R. NOVAK
47	RONALD J. & KAREN A. BUDICKY	60	DONALD & MARILYN DINELL
48	BRANDT & MELISSA WILSON	61	SCOTT A. & CHRISTINE P. HOOVER
49	OWEN R. & DEBORAH J. MILLIGAN		
50	TODD J. & LOIS J. GAGLE		
51	KEITH & DINA MALINOSKI		
52	RONALD A. & GEORGENE H. ANDRASKO		
53	DEREK C. ROBERTS		



NOTE:
THE EASEMENT IS VARIABLE IN WIDTH AND IS NOT REPRESENTATIVE ON THE PARCEL.



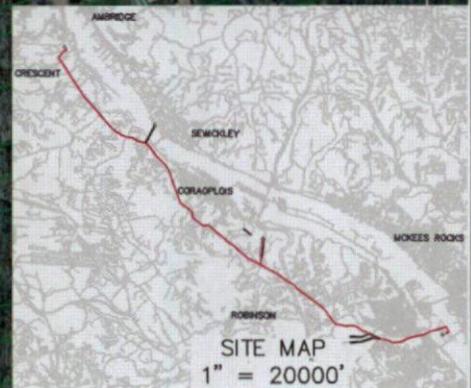
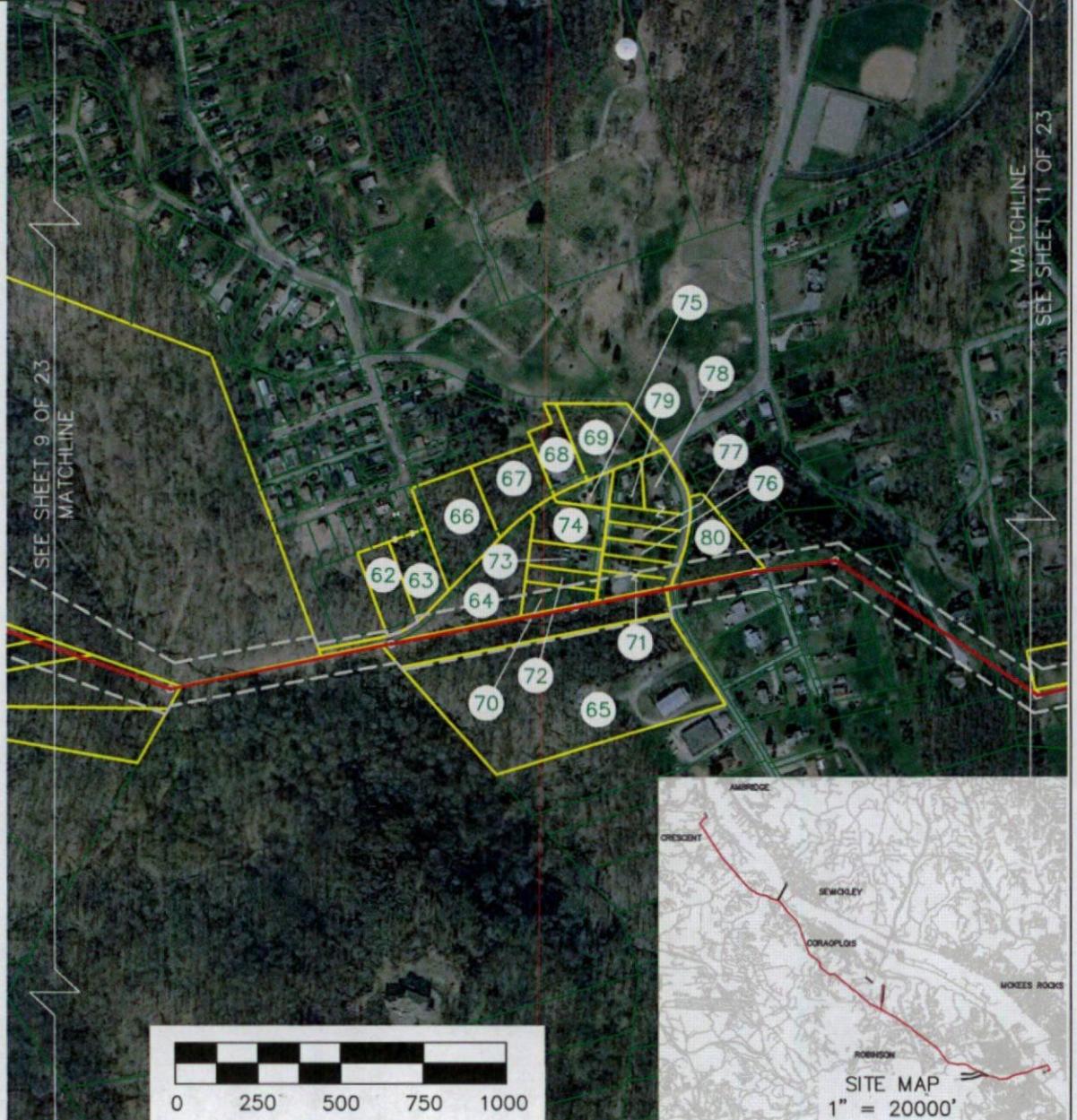
LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
COORDINATE SYSTEM: PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1883 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
UNIT: FEET
SRID: 2200; GEODETIC REFERENCE SYSTEM 80

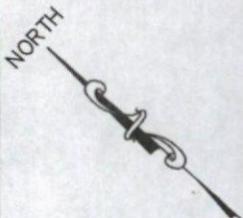
DUQUESNE LIGHT COMPANY			
REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
	DRAWN JLS	ELECT. APP.	
	CHECKED MEH	MECH. APP.	
	INSP.	STRUCT. APP.	

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY MOON TWP. SHEET 9 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME	LABEL	OWNER NAME
62	JOSEPH A. & RUTH M. NICKLES REV. TRUST	72	PAUL D. & HEIDI M. SOUZA
63	LYNNE J. BOLEY	73	PAUL D. & HEIDI M. SOUZA
64	HEIRS OF GEORGE N. SCHAEFER	74	PAUL D. & HEIDI M. SOUZA
65	CORAOPOLIS TEMPLE SERVICE ASSOCIATION	75	SANDRA L. BURGUNDER
66	CHRISTIAN GUZZO	76	ADAM SACCO & DOMINIQUE LUCIA SACCO
67	WILLIAM DAVID & MARTIN GILL ONDRASICK	77	MICHAEL J. & SHARON WITHROW
68	NICHOLAS M. STERI III	78	WILLIAM C. SCHILLIG
69	FREESTONE LLLP	79	MICHAEL A. FEDORKA
70	CHARLES E. & JAYNE LISICA	80	ANTHONY R. & SANDRA R. MARTIN
71	CHARLES E. & JAYNE LISICA		



NOTE:
THE EASEMENT IS VARIABLE IN WIDTH AND IS NOT REPRESENTATIVE ON THE PARCEL.



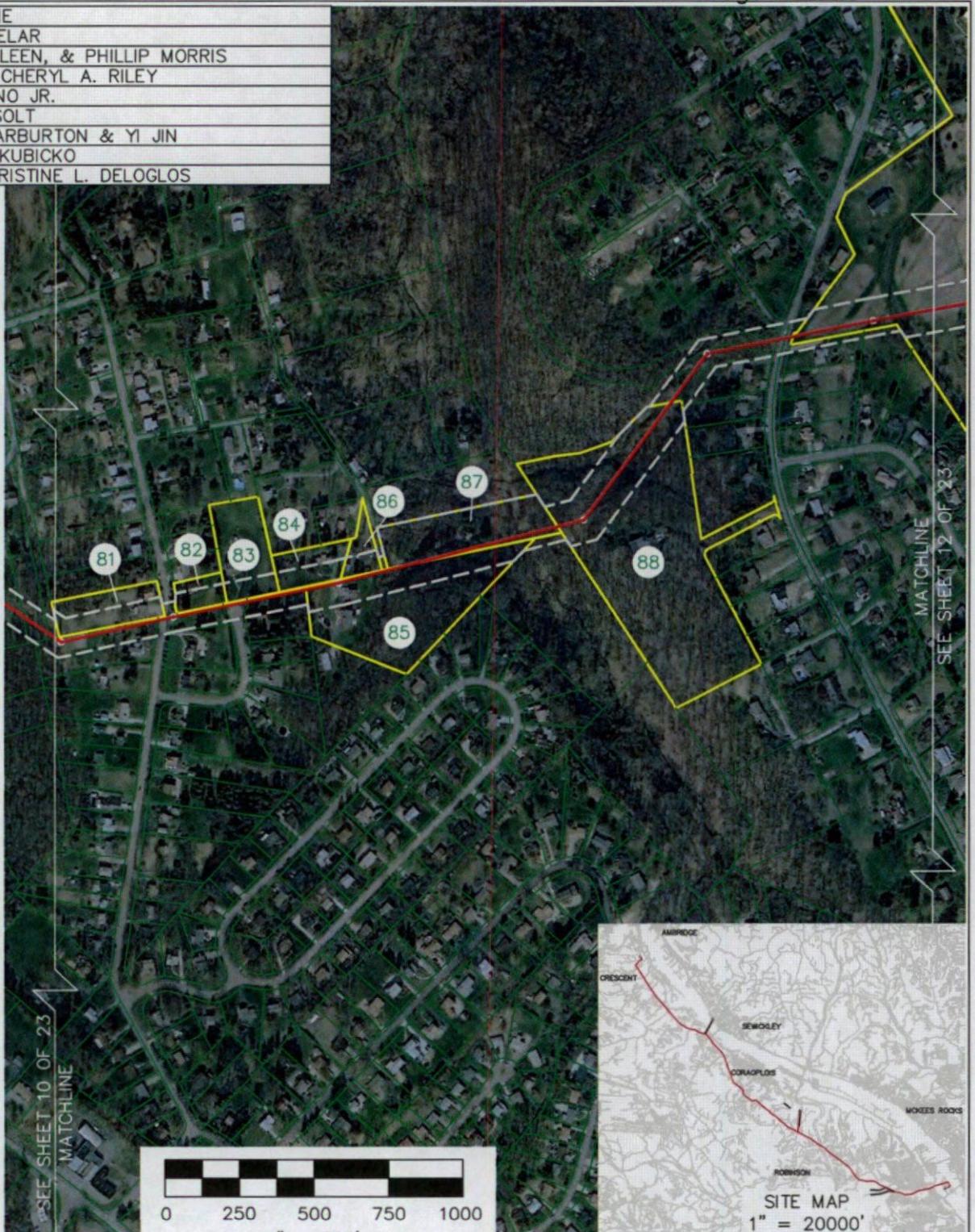
LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJ4: PROJCRS: PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
UNIT: FEET
SRID: 80

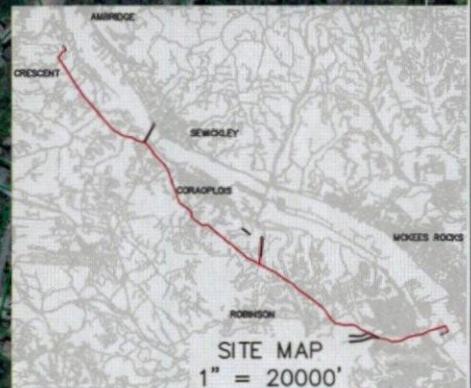
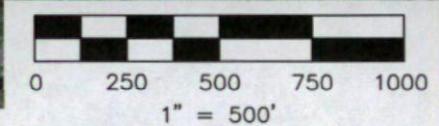
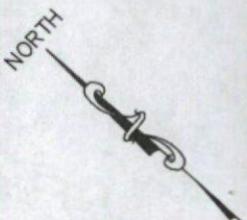
DUQUESNE LIGHT COMPANY	
REAL ESTATE DEPT.-SURVEYING PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19 ARCH. APP.
	DRAWN JLS ELECT. APP.
	CHECKED MEH MECH. APP.
	INSP. STRUCT. APP.

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY MOON TWP. SHEET 10 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME
81	MARISSA KIELAR
82	JASON, COLLEEN, & PHILLIP MORRIS
83	JOHN F. & CHERYL A. RILEY
84	JOSEPH VANO JR.
85	DENNIS J. SOLT
86	RICHARD WARBURTON & YI JIN
87	ROBERT S. KUBICKO
88	GUST & CHRISTINE L. DELOGLOS

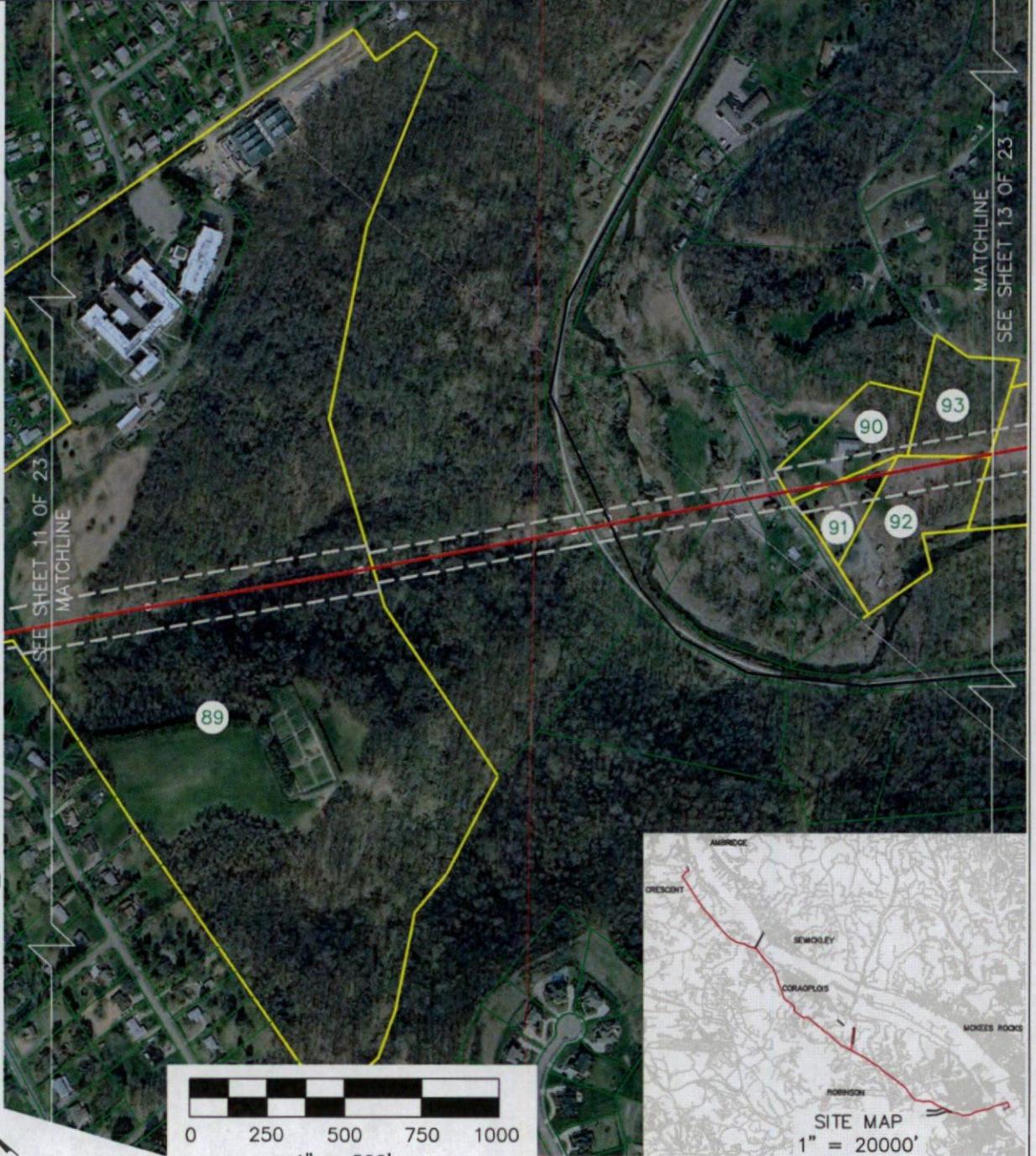


NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

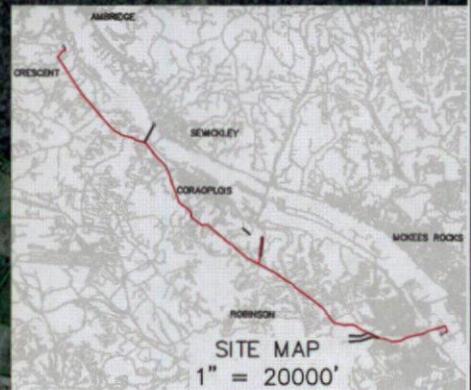


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.		
—	PROPOSED ROUTE				
—	ROW				
—	PARCEL WITHIN ROW				
—	GIS PARCEL BOUNDARY				
<small>SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJECTION: COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: ENGLISH FEET GCS: NAD83, GEODETIC REFERENCE SYSTEM 80</small>		SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY MOON TWP. SHEET 11 OF 23
			DRAWN JLS	ELECT. APP.	
			CHECKED MEH	MECH. APP.	
			INSP.	STRUCT. APP.	
			APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L No. 8790
				C.O.	

LABEL	OWNER NAME
89	FELICIAN SISTERS OF NORTH AMERICAN REAL EST. TRUST
90	MICHAEL & TAMMY LEWICKI
91	ADOLPH & JEAN PLACEK
92	TERRY & MAUREEN PLACEK
93	COY ALLEN



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE
ON THE PARCEL.

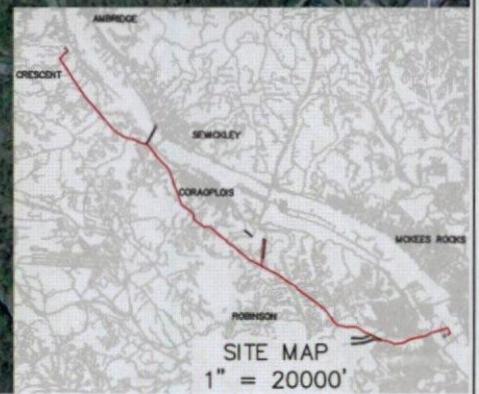


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.		
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ALLEGHENY COUNTY	
—	ROW		ARCH. APP.	MOON TWP. & ROBINSON TWP.	
—	PARCEL WITHIN ROW		ELECT. APP.	SHEET 12 OF 23	
—	GIS PARCEL BOUNDARY		CHECKED MEH	APP. COMPLETE WHEN INITIALED HERE	O.F.E.
<small>PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJ: NAD83 COORDINATE SYSTEM PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: FEET MAPPROJ: GEODETIC REFERENCE SYSTEM 80</small>			INSP.	STRUCT. APP.	C.O.
				L	No. 8790

LABEL	OWNER NAME
94	UTA COLBERG
95	JAMES F. & DIANE HARTMAN
96	JAMES F. & DIANE HARTMAN



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

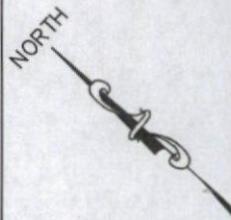
SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PASDA)
PROJECTION: COORDINATE SYSTEM, PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
LINEAR UNITS: FEET
EARTH: GEOID; GEODETIC REFERENCE SYSTEM 80

DUQUESNE LIGHT COMPANY		REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
		SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
		DRAWN JLS	ELECT. APP.		
		CHECKED MEH	MECH. APP.		
		INSP.	STRUCT. APP.		

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY ROBINSON TWP. SHEET 13 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

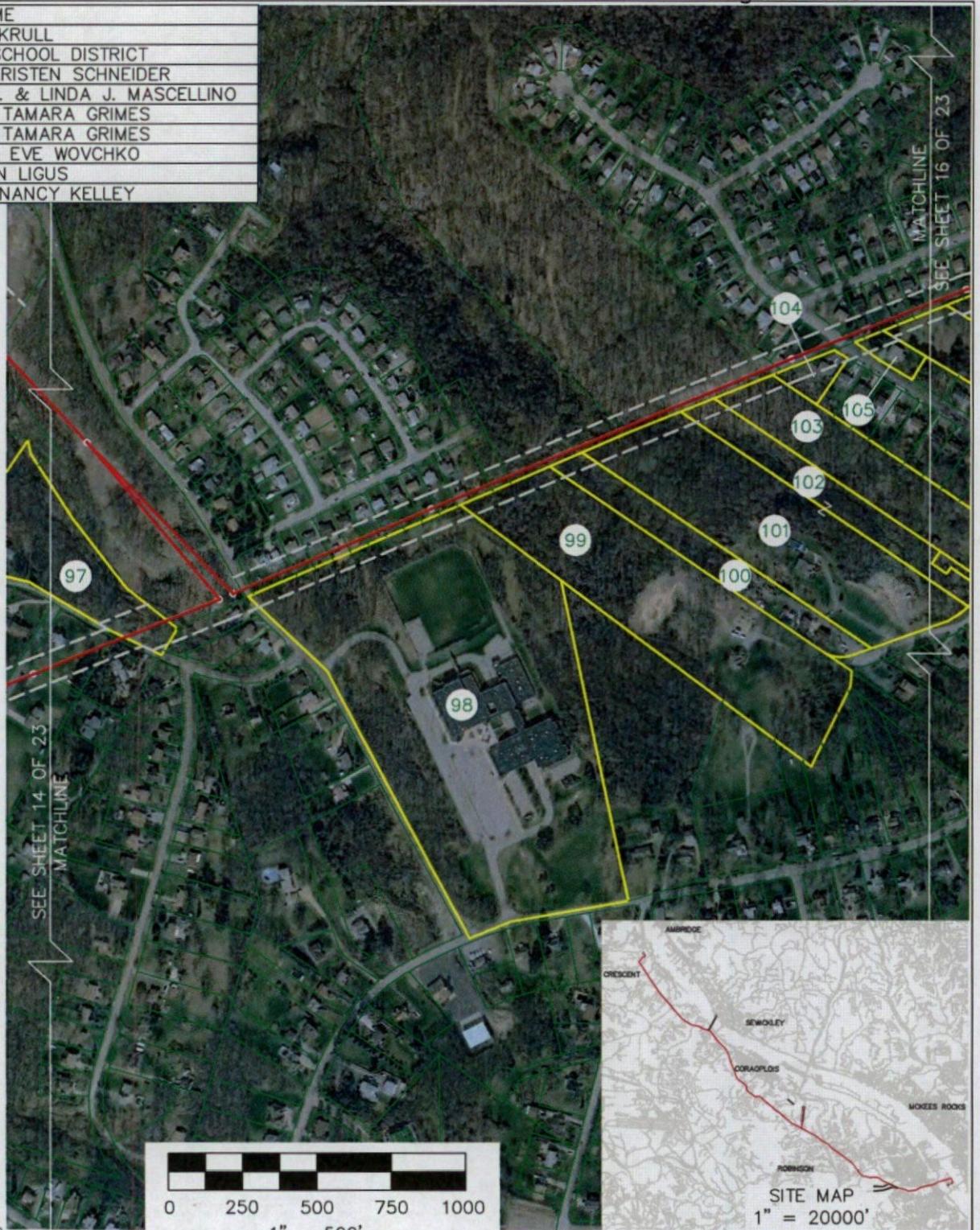


NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

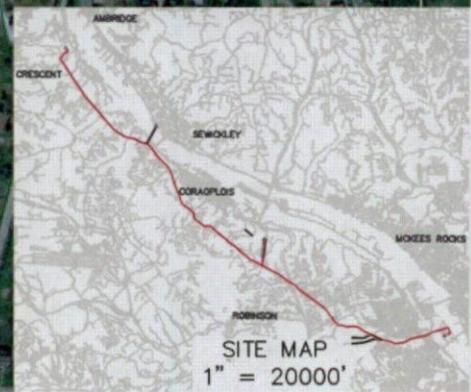


LEGEND △ SUBSTATION — PROPOSED ROUTE — ROW — PARCEL WITHIN ROW — GIS PARCEL BOUNDARY	DUQUESNE LIGHT COMPANY REAL ESTATE DEPT.—SURVEYING PITTSBURGH, PA.		B.I. — CRESCENT AERIAL EXHIBIT	
	SCALE AS SHOWN	DATE 3/04/19 ARCH. APP. DRAWN JLS ELECT. APP. CHECKED MEH MECH. APP. INSP. STRUCT. APP.	ALLEGHENY COUNTY ROBINSON TWP. SHEET 14 OF 23	
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: FEET SRID: 5003; GEODETIC REFERENCE SYSTEM 80</small>	APP. COMPLETE WHEN INITIALED HERE		O.F.E. C.O.	L No. 8790

LABEL	OWNER NAME
97	WILLIAM J. KRULL
98	MONTOUR SCHOOL DISTRICT
99	FRANK & KRISTEN SCHNEIDER
100	CHARLES M. & LINDA J. MASCELLINO
101	DWAYNE & TAMARA GRIMES
102	DWAYNE & TAMARA GRIMES
103	CHARLES & EVE WOVCHKO
104	PAULA JEAN LIGUS
105	ROBERT & NANCY KELLEY



NOTE:
THE EASEMENT IS VARIABLE IN WIDTH AND IS NOT REPRESENTATIVE ON THE PARCEL.



NORTH

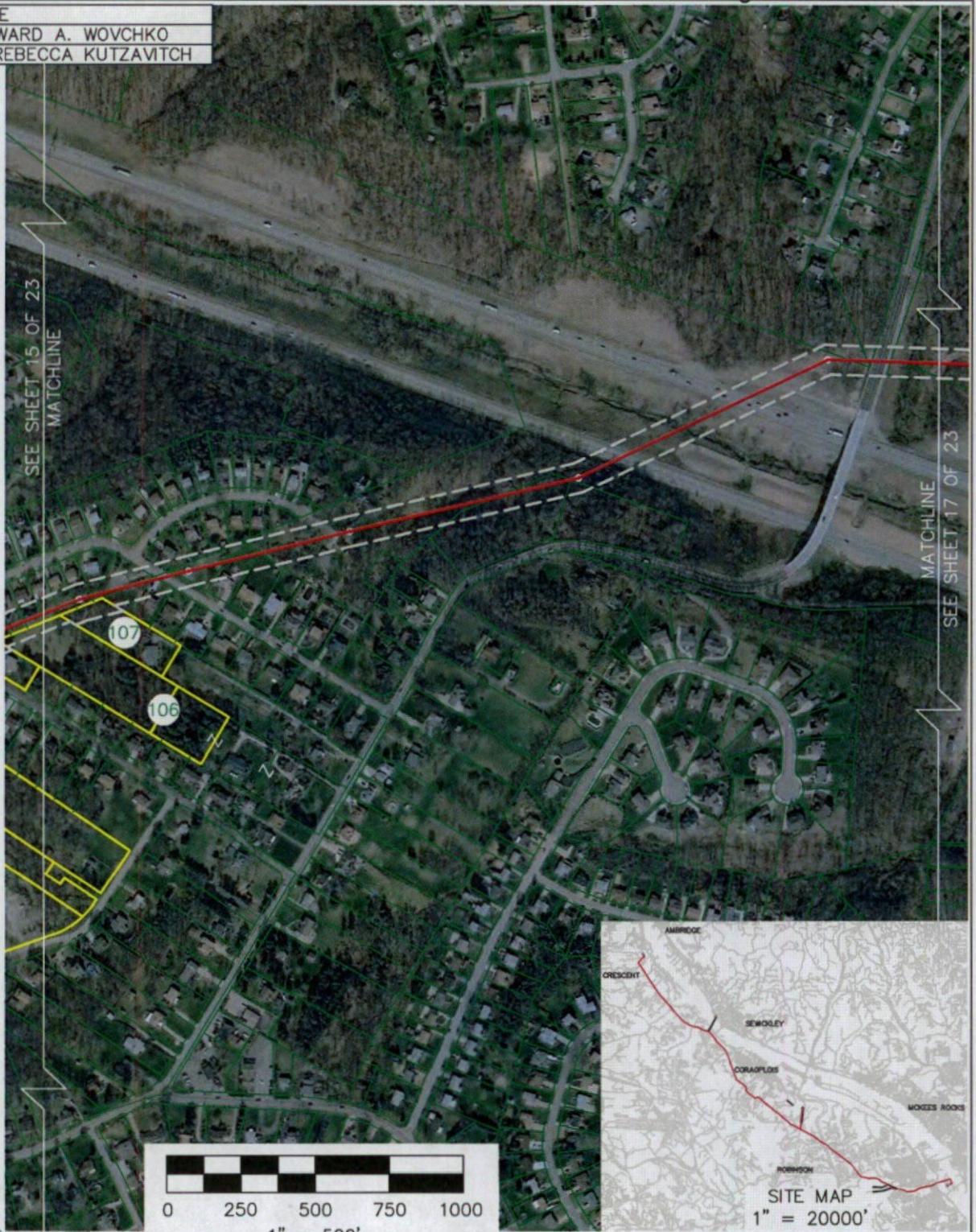
LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
UNIT: FEET
EARTH: GEODETIC REFERENCE SYSTEM 80

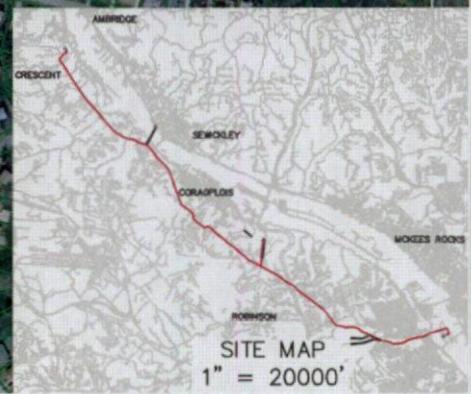
DUQUESNE LIGHT COMPANY			
REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
	DRAWN JLS	ELECT. APP.	
	CHECKED MEH	MECH. APP.	
	INSP.	STRUCT. APP.	

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY ROBINSON TWP. SHEET 15 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME
106	JOHN & EDWARD A. WOVCHKO
107	WILLIAM & REBECCA KUTZAVITCH



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

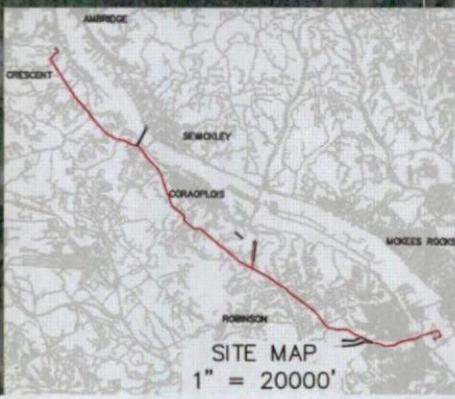
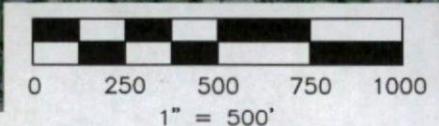
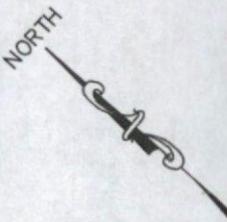
SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJCTED COORDINATE SYSTEM: PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
LINEAR UNITS: FEET
ELLIPSOID: GEODETIC REFERENCE SYSTEM 80

DUQUESNE LIGHT COMPANY		REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
		SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
		DRAWN JLS	ELECT. APP.		
		CHECKED MEH	MECH. APP.		
		INSP.	STRUCT. APP.		

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY ROBINSON TWP. SHEET 16 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		



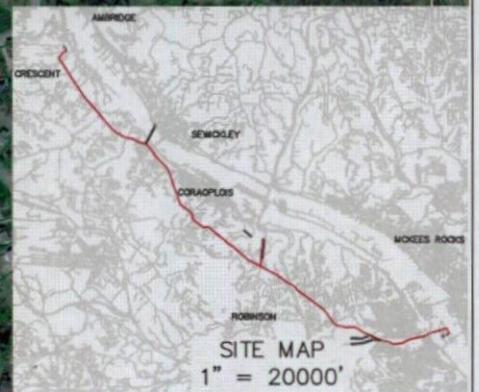
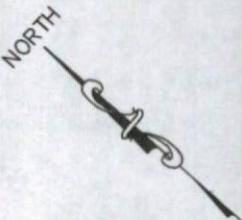
NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



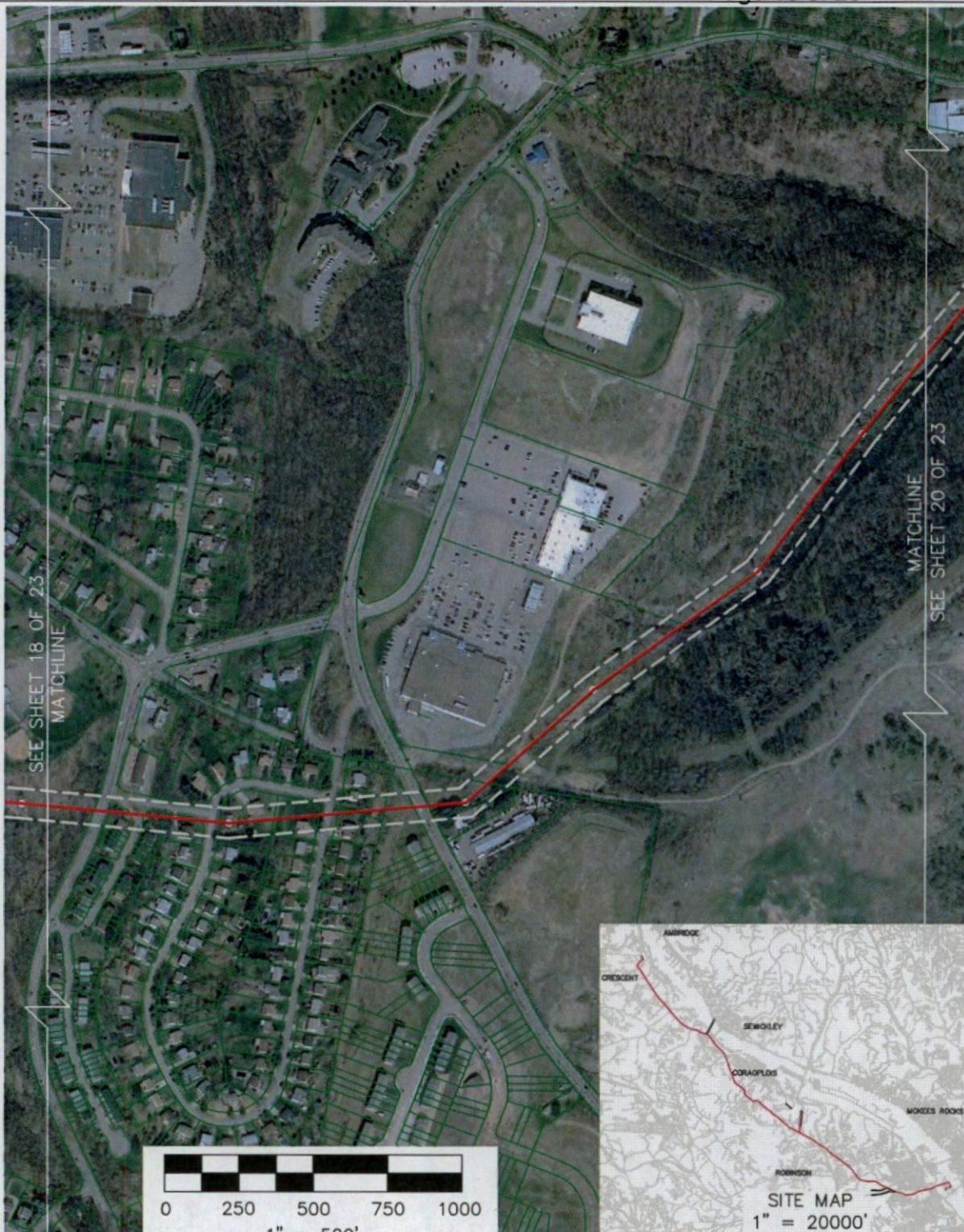
LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
—	PROPOSED ROUTE	SCALE AS SHOWN		ALLEGHENY COUNTY	
—	ROW	DATE 3/04/19	ARCH. APP.	KENNEDY TWP.	
—	PARCEL WITHIN ROW	DRAWN JLS	ELECT. APP.	SHEET 17 OF 23	
—	GIS PARCEL BOUNDARY	CHECKED MEH	MECH. APP.	APP. COMPLETE WHEN INITIALED HERE	O.F.E.
<small>SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJECTED COORDINATE SYSTEM (PA STATE PLANE SOUTH DATUM, NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC LINEAR UNIT: FEET ELLIPSOID: GEODETIC REFERENCE SYSTEM 80</small>		INSP.	STRUCT. APP.	c.o.	L No. 8790



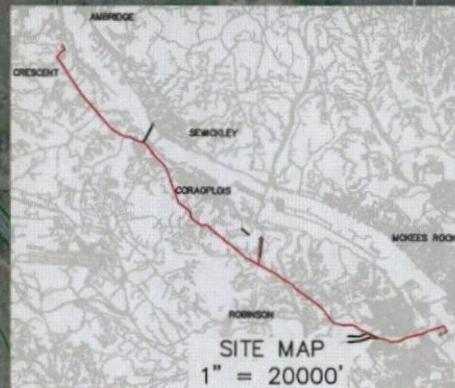
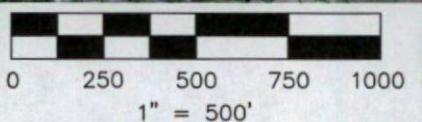
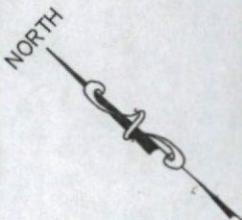
NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT		
△	SUBSTATION	REAL ESTATE DEPT. - SURVEYING	PITTSBURGH, PA.			
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	ALLEGHENY COUNTY KENNEDY TWP. SHEET 18 OF 23	
—	ROW	DRAWN JLS	CHECKED MEH	ELECT. APP.		
—	PARCEL WITHIN ROW	INSP.	MECH. APP.	STRUCT. APP.		
—	GIS PARCEL BOUNDARY					
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJECTED COORDINATE SYSTEM: PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC LINEAR UNITS: FEET SPHEROID: GEODETIC REFERENCE SYSTEM 80</small>						
				APP. COMPLETE WHEN INITIALED HERE	O.F.E. C.O.	L No. 8790

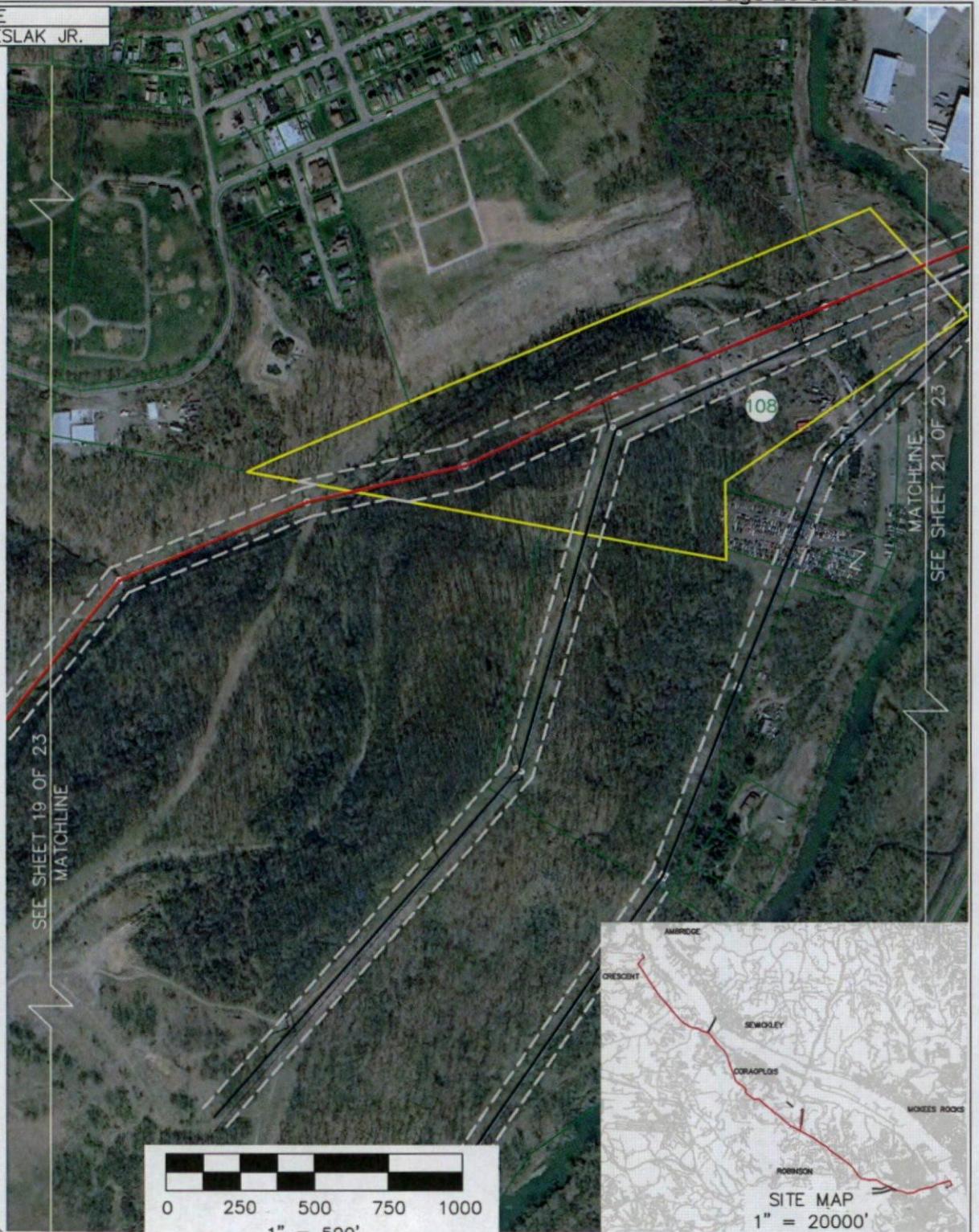


NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

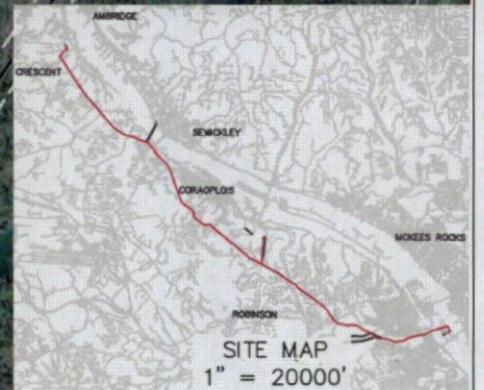


LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
—	PROPOSED ROUTE	SCALE AS SHOWN		ALLEGHENY COUNTY	
—	ROW	DATE 3/04/19	ARCH. APP.	KENNEDY TWP.	
—	PARCEL WITHIN ROW	DRAWN JLS	ELECT. APP.	SHEET 19 OF 23	
—	GIS PARCEL BOUNDARY	CHECKED MEH	MECH. APP.	APP. COMPLETE WHEN INITIALED HERE	O.F.E.
<small>SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROJECTION: COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNIT: FEET SPHEROID: GEODETIC REFERENCE SYSTEM 80</small>		INSP.	STRUCT. APP.	c.o.	L No. 8790

LABEL	OWNER NAME
108	STANLEY CIESLAK JR.



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

BOUNDARY PENNSYLVANIA SPATIAL DATA ACCESS (PASDA)
PROTECTED COORDINATE SYSTEM PA STATE PLANE SOUTH
DATUM, NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION, LAMBERT CONFORMAL CONIC
UNIT OF MEASURE, FEET
BLM2011; GEODETIC REFERENCE SYSTEM 80

DUQUESNE LIGHT COMPANY		REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
		SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
		DRAWN JLS	ELECT. APP.		
		CHECKED MEH	MECH. APP.		
		INSP.	STRUCT. APP.		

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY KENNEDY TWP. SHEET 20 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME
109	PENNDOT
110	PENNDOT
111	FRANK BRYAN INC.
112	R&L REALTY COMPANY
113	BOYD ROLL OFF SERVICES INC.
114	AGGCO LIMITED PARTNERSHIP



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.

NORTH

LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJCTED COORDINATE SYSTEM, PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
LINEAR UNITS: FEET
BLM2500; GEODETIC REFERENCE SYSTEM 80

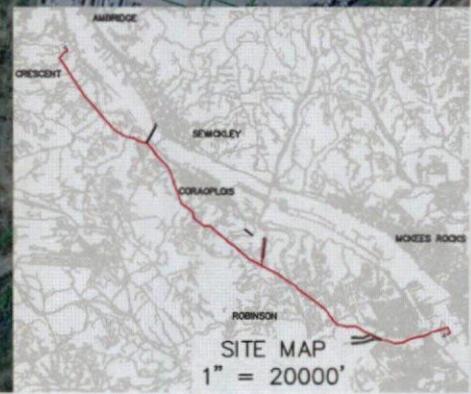
DUQUESNE LIGHT COMPANY			
REAL ESTATE DEPT.-SURVEYING		PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
	DRAWN JLS	ELECT. APP.	
	CHECKED MEH	MECH. APP.	
	INSP.	STRUCT. APP.	

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY CITY OF PITTSBURGH & MCKEES ROCKS BORO SHEET 21 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		

LABEL	OWNER NAME
115	MCKEES ROCKS COMMERCIAL PROPERTY LLC
116	CHARTIERS CROSSING LP
117	OLD TOWN PROPERTIES
118	CRIVELLI LIMITED PARTNERSHIP
119	GREENVILLE COMMERCIAL PROPERTIES LP
120	CMC REALTY
121	JAMES F. FRANK & KAREN L. SCHOPPE
122	VICTOR ALBERT SUTEY



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND	
	SUBSTATION
	PROPOSED ROUTE
	ROW
	PARCEL WITHIN ROW
	GIS PARCEL BOUNDARY

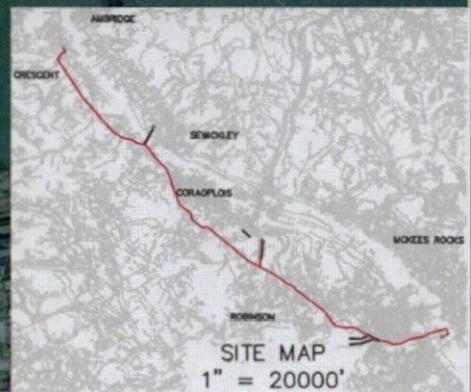
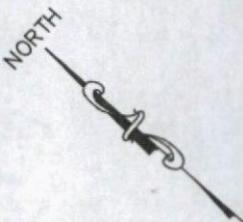
SOURCE: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA)
PROJECTION: COORDINATE SYSTEM: PA STATE PLANE SOUTH
DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
PROJECTION: LAMBERT CONFORMAL CONIC
UNIT: FEET
SRID: 5000, GEOCENTRIC REFERENCE SYSTEM 80

DUQUESNE LIGHT COMPANY			
REAL ESTATE DEPT. - SURVEYING		PITTSBURGH, PA.	
SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	
	DRAWN JLS	ELECT. APP.	
	CHECKED MEH	MECH. APP.	
	INSP.	STRUCT. APP.	

B.I. - CRESCENT AERIAL EXHIBIT			
ALLEGHENY COUNTY CITY OF PITTSBURGH & MCKEES ROCKS BORO SHEET 22 OF 23			
APP. COMPLETE WHEN INITIALED HERE	O.F.E.	L	No. 8790
	C.O.		



NOTE:
THE EASEMENT IS
VARIABLE IN WIDTH
AND IS NOT
REPRESENTATIVE ON
THE PARCEL.



LEGEND		DUQUESNE LIGHT COMPANY		B.I. - CRESCENT AERIAL EXHIBIT	
△	SUBSTATION	REAL ESTATE DEPT.-SURVEYING	PITTSBURGH, PA.	ALLEGHENY COUNTY	
—	PROPOSED ROUTE	SCALE AS SHOWN	DATE 3/04/19	ARCH. APP.	CITY OF PITTSBURGH & MCKEES ROCKS BORO
—	ROW		DRAWN JLS	ELECT. APP.	SHEET 23 OF 23
—	PARCEL WITHIN ROW		CHECKED MEH	MECH. APP.	APP. COMPLETE WHEN INITIALED HERE
—	GIS PARCEL BOUNDARY		INSP.	STRUCT. APP.	O.F.E.
<small>SOURCES: PENNSYLVANIA SPATIAL DATA ACCESS (PSDA) PROTECTED COORDINATE SYSTEM, PA STATE PLANE SOUTH DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) PROJECTION: LAMBERT CONFORMAL CONIC UNITS: FEET SPHEROID: GEODETIC REFERENCE SYSTEM 80</small>					C.O.
					L No. 8790

DLC Exhibit LG-2 (Schaefer)

RECEIVED

2019 MAR 15 AM 11:12

PA PUC

SECRETARY'S BUREAU

278

ALLEGHENY COUNTY PENNSYLVANIA DEED BOOK VOLUME 2340

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF ALLEGHENY) SS. On this 24th day of October, A.D. 1927, before me,
her husband, and acknowledged the foregoing Indenture to be their act and deed, to the end
that it may be recorded as such.
WITNESS my hand and notarial seal.

Alice Linnert Notary Public (N. P. Seal)
My commission expires January 17, 1931

Registered in Allegheny County and City of Pittsburgh
No. 58425 Recorded October 25th, 1927 Time 2:44 P.M.
Written by Johnston Compared by W. A. ... and H. ...

CHARLES DELP, ET UX.) THIS INDENTURE
TO) MADE the 8th day of October in the year of our Lord one
GEORGE N. SCHAEFER) thousand nine hundred and twenty-seven
BETWEEN CHARLES DELP and CORA E. DELP, his wife, of the City
of Pittsburgh, County of Allegheny, State of Pennsylvania, parties of the first part and
GEORGE N. SCHAEFER, of the City of Pittsburgh, County of Allegheny, State of Pennsylvania,
party of the second part:

WITNESSETH, that the said parties of the first part, in consideration of Eleven
Thousand (\$11,000.00) Dollars to them now paid by the said party of the second part, do
grant, bargain, sell and convey unto the said party of the second part, his heirs and assigns,
ALL that certain parcel or plot of land situate in Moon Township, County of
Allegheny, State of Pennsylvania, being bounded and described as follows:

BEGINNING on the dividing line between the properties of the party of the first
part and the WOODLAWN Plan of Lots, at the south end of a 12-foot alley in said plan, and
running thence along the Woodlawn Plan of Lots to the property of the Coraopolis Cemetery
Company and the south side of Watson Street S. 60° 21' East, 792 feet; thence along the
lands of the Coraopolis Cemetery Company south 9° 52' West 433.23 ft. to the line of the
center of a township road; thence along the center of said township road and land of George
Ondrasick north 40° 7' west 250.84 feet; thence leaving said road and running along the
land of George Ondrasick south 27° 32' west 52.18 feet; thence still along the lands of
said George Ondrasick north 62° 28' west 76 feet; and south 27° 32' west 201.80 feet to the
center of a 40-foot road; thence along the center of said 40-foot road and land of George
Ondrasick south 62° 28' east 361.67 feet to the center of the county road known as the
Coraopolis Heights road; then along center of said county road south 18° 44' and 15° west
99.18 feet; then by a curve to the right with a radius of 195 feet a distance of 131.07
feet; thence south 57° 15' west 41.30 feet; then by a curve to the right with a radius of
315 feet a distance of 69.55 feet; thence south 69° 54' west 73.17 feet; thence by a curve
to the left with a radius of 225 feet a distance of 29.17 feet to the northerly line of
the right-of-way of the Duquesne Light Company transmission line, and the property of S. E.
Pence; then leaving said road and running along the line of said right-of-way and along
the properties of S. E. Pence and S. S. Robertson north 51° 35' west 1078.64 feet; thence by
other lands of the party of the first part north 29° 39' east 969.52 feet to the westerly
line of the Woodlawn Plan of Lots; thence along the westerly line of said Woodlawn Plan of
Lots south 19° 48' east 250.22 feet to the place of beginning.

Subject to all outstanding oil and gas leases and rights-of-way for pipe lines.
BEING part of the same property which Olivia M. Cassidy by her deed dated May
15th, 1922 and of record in the said Recorder's Office in Deed Book Vol. 2136, page 22,
granted and conveyed unto Charles Delp, one of the parties of the first part hereto.
With the appurtenances: TO HAVE AND TO HOLD the same unto and for the use of
said party of the second part his heirs and assigns forever,
And the said Charles Delp, and Cora E. Delp, his wife, for themselves, their
heirs, executors and administrators covenant with the said party of the second part his
heirs and assigns against all lawful claimants the same and every part thereof to Warrant
and Defend.

WITNESS the hands and seals of the said parties of the first part.

Attest:
J. L. Trefaller Jr.

Charles Delp (Seal)
Cora E. Delp (Seal)

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF ALLEGHENY) SS. On this 8th day of October A.D. 1927, before me Notary
and acknowledged the foregoing Indenture to be their act and deed, to the end that it may
be recorded as such.
WITNESS my hand and Notarial seal.

J. L. Trefaller Jr. Notary Public (N.P. Seal)
My commission expires March 26, 1929

Registered in Allegheny County
No. 58426 Recorded October 25th, 1927 Time 2:51 P.M.
Written by Johnston Compared by W. A. ... and H. ...

DLC Exhibit LG-3 (Schaefer)

RECEIVED
2019 MAR 15 AM 11:12
PA PUC
SECRETARY'S BUREAU

DLC Exhibit LG-4 (Schaefer)

RECEIVED
2019 MAR 15 AM 11:13
PA PUC
SECRETARY'S BUREAU

EASEMENT DESCRIPTION

All that certain strip of land being a portion of Lot 68 and a portion of an unopened Schaefer Boulevard as shown in Woodland Acres, recorded in Plan Book Volume 32, Page 140 in Allegheny County Department of Real Estate, situate in Moon Township, Allegheny County and the Commonwealth of Pennsylvania, being more particularly described as follows:

Beginning at southeast corner of said Lot 68 now or formerly owned by George N. Schaefer, being recorded in Deed Book 2340, Page 278 in the Allegheny County Department of Real Estate; thence North $57^{\circ}15'00''$ East, along the east line of said Lot 68, a distance of 65.4 feet, to a point 75 feet east of and parallel with an existing powerline; thence North $51^{\circ}36'40''$ West, along said parallel line, a distance of 302.2 feet to the intersection with a non-tangent point on the arc of a curve to the right, having a radius of 250.00 feet and the centerline of said Schaefer Boulevard; thence northwesterly along the arc of said curve and said centerline, a distance of 150.8 feet; thence North $51^{\circ}35'00''$ West, continuing along said centerline, a distance of 197.6 feet to a point on the west boundary line of said plat; thence South $29^{\circ}39'00''$ West, along said west line, a distance of 20.2 feet to a point on the south line of said plat and south line of said Schaefer Boulevard; thence South $51^{\circ}35'00''$ East, along said south line, a distance of 614.0 feet to a point and the **Point of Beginning**.

Subject to easements, restrictions, reservations, covenants, and rights-of-way of record.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant To 15 Pa.C.S. §1511(c) for a Finding :
and Determination that the Service to be :
Furnished by the Applicant through its Proposed :
Exercise of the Power of Eminent Domain to :
Acquire a Certain Portion of the Lands of **George** :
N. Schaefer in Moon Township, Allegheny :
County, Pennsylvania Associated with the 138 :
kV Transmission Lines Associated with the :
Brunot Island – Crescent Project in the City of :
Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon :
Township, and Crescent Township, Allegheny :
County, Pennsylvania.

Docket No. A-2019-_____

VERIFICATION

I, Lesley C. Gannon, being Senior Manager of Real Estate and Rights of Way for Duquesne Light Company, hereby state that the information set forth above is true and correct to the best of my knowledge, information, and belief, and that I expect 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).

Date: March 12, 2019



Lesley C. Gannon
Senior Manager of Real Estate and Rights of Way

RECEIVED
2019 MAR 15 AM 10:59
PA PUBLIC UTILITY BUREAU
SECRETARY'S OFFICE

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant To 15 Pa.C.S. §1511(c) for a Finding :
and Determination that the Service to be :
Furnished by the Applicant through its Proposed :
Exercise of the Power of Eminent Domain to :
Acquire a Certain Portion of the Lands of George :
N. Schaefer in Moon Township, Allegheny :
County, Pennsylvania Associated with the 138 :
kV Transmission Lines Associated with the :
Brunot Island – Crescent Project in the City of :
Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon :
Township, and Crescent Township, Allegheny :
County, Pennsylvania.

Docket No. A-2019-_____

VERIFICATION

I, Lesley C. Gannon, being Senior Manager of Real Estate and Rights of Way for Duquesne Light Company, hereby state that the information set forth above is true and correct to the best of my knowledge, information, and belief, and that I expect 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).

Date: March 12, 2019



Lesley C. Gannon
Senior Manager of Real Estate and Rights of Way

RECEIVED
2019 MAR 15 AM 11:00
P. U. B. BUREAU
SECRETARY'S OFFICE

CERTIFICATE OF SERVICE

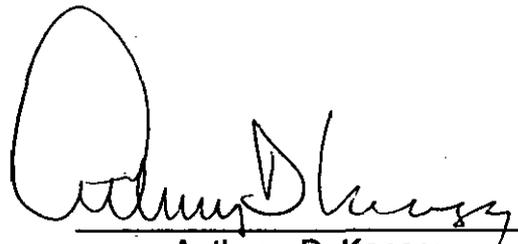
I hereby certify that a true and correct copy of the foregoing **CONDEMNATION APPLICATION** has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Michael Syme, Esquire
Fox Rothschild LLP
500 Grant Street
Suite 2500
Pittsburgh, PA 15219

George N. Schaefer
Schaefer Boulevard
Coraopolis PA 15108

Date: March 15, 2019



Anthony D. Kanagy

RECEIVED
2019 MAR 15 AM 10:58
PA PHC
SECRETARY'S BUREAU
OF THE DISTRICT

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter : Docket No. A-2019-3008589
G, for Approval of the Siting and Construction of :
the 138 kV Transmission Lines Associated with :
the **Brunot Island-Crescent Project** in the City :
of Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :

Application of Duquesne Light Company Under :
15 Pa.C.S. § 1511(c) For A Finding and :
Determination That the Service to be Furnished :
by the Applicant Through Its Proposed Exercise :
of the Power of Eminent Domain to Acquire a :
Certain Portion of the Lands of **George N.** :
Schaefer of Moon Township, Allegheny County, : Docket No. A-2019-3008652
Pennsylvania for the Siting and Construction of :
Transmission Lines Associated with the Proposed :
Brunot Island – Crescent Project is Necessary or :
Proper for the Service, Accommodation, :
Convenience, or Safety of the Public :

Duquesne Light Company

**Statement No. 4-R (A-2019-3008589)
Statement No. 1-R (A-2019-3008652)**

Written Rebuttal Testimony of

Lesley Gannon

**Topics Addressed: Right Of Way Acquisition
Landowner And Public Outreach
Notice Of Schaefer Condemnation Application**



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
4 Pittsburgh, PA 15233.

5
6 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light
7 Company (“Duquesne Light” or the “Company”)?**

8 A. Yes. On March 15, 2019, I submitted my direct testimony, Duquesne Light Statement
9 No. 4, relative to the “Application of Duquesne Light Company filed Pursuant to 52 Pa.
10 Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138
11 kV Transmission Lines Associated with the **Brunot Island-Crescent Project** in the City
12 of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon
13 Township, and Crescent Township, Allegheny County Pennsylvania” at Docket No. A-
14 2019-3008589 (“BI-Crescent Project”). I also submitted direct testimony, labeled
15 Duquesne Light Statement No. 1 (Schaefer), regarding the “Application of Duquesne
16 Light Company Under 15 Pa.C.S. § 1511(c) For A Finding and Determination That the
17 Service to be Furnished by the Applicant Through Its Proposed Exercise of the Power of
18 Eminent Domain to Acquire a Certain Portion of the Lands of **George N. Schaefer** of
19 Moon Township, Allegheny County, Pennsylvania for the Siting and Construction of
20 Transmission Lines Associated with the Proposed Brunot Island – Crescent Project is
21 Necessary or Proper for the Service, Accommodation, Convenience, or Safety of the
22 Public” at Docket No. A-2019-3008652 (“Schaefer Condemnation Application”).

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Q. What is the purpose of your rebuttal testimony?

A. My testimony responds to certain issues raised by several of the Protestants in their oral testimony at the September 10, 2019 lay witness hearing. Specifically, I will respond to the Protestants’ concerns regarding: (1) how the Company determined what right-of-way acquisitions were required for the project; (2) the Company’s interactions with and notices provided to landowners whose properties would be traversed by right-of-way associated with the project; (3) the Company’s public outreach efforts before the filing of the project; and (4) the Company’s efforts to identify and provide notice to potential holders of property interests in the property associated with the Schaefer Condemnation Application.

Q. How is the remainder of your rebuttal testimony organized?

A. Section II of my rebuttal testimony summarizes and responds to the Protestants’ concerns regarding the Company’s analysis and determination of what rights-of-way needed to be acquired for the Project. Importantly, as discussed in my direct testimony (Duquesne Light St. No. 4) much of the project is located on existing rights-of-way that are already traversed by Duquesne Light transmission facilities. Finally, Section III will address issues that arose regarding notice of the Schaefer Condemnation Application.

Q. Are you sponsoring any exhibits associated with your rebuttal testimony?

1 A. Yes. Included with my testimony are the following exhibits: (1) Duquesne Light Exhibit
2 LG-1, which depicts the location of the proposed facilities relative to the 306 Konter
3 Road property and the 205 Purdy Road property; (2) Duquesne Light Exhibit LG-2,
4 which depicts the location of existing transmission facilities right-of-way over the
5 original parcel (including the property located at 304 Konter Road) for which Duquesne
6 Light obtained an easement that will be used for the BI-Crescent Project; and (3)
7 Duquesne Light Exhibit LG-3, which depicts the location of the proposed facilities
8 relative to the 1123 Juanita Drive property.

9 In addition, specific to the Schaefer Condemnation Application, I am also
10 sponsoring Duquesne Light Exhibit LG-5 (Schaefer), which is the proof of publication of
11 notice by the Company in the Pittsburgh Post-Gazette regarding the BI-Crescent Project
12 and the Schaefer Condemnation Application.

13
14 **II. RIGHT OF WAY ACQUISITION**

15 **Q. Ms. Gannon, did you describe the Company’s right-of-way acquisition efforts in
16 your direct testimony?**

17 A. Yes.

18
19 **Q. Have any of the Protestants challenged the Company’s right-of-way acquisition
20 efforts in this proceeding?**

21 A. Yes. Mrs. Adams and Mrs. Crowe asserted that the Company has not obtained
22 necessary right-of-way with respect to the property located at 306 Konter Road. (See Tr.

1 77-78; 119-120) In addition, Mrs. Marinkovic asserted that Duquesne Light has not
2 obtained necessary rights-of-way with respect to her property located at 205 Purdy Road,
3 specific to the alleged enlargement of a private road. (Tr. 149-150) In addition, Mrs.
4 Crowe asserts that the Company has not obtained necessary right-of-way from properties
5 near her residence, located at 1123 Juanita Drive. (Tr. 125) Finally, Mrs. Wilson alleged
6 that the Company has not property obtain an easement for the section of right-of-way that
7 traverses her property at 9 McGovern Boulevard. (Tr. 168) I will respond to these
8 assertions below, based on the relative locations of these properties.

9
10 **A. PROPERTIES NEAR KONTER ROAD**

11
12 **Q. Please respond to Mrs. Adams' and Mrs. Crowe's assertions that the Company has**
13 **not obtained necessary rights-of-way regarding the 306 Konter Road property.**

14 A. Mrs. Adams' and Mrs. Crowes' assertion that Duquesne Light must obtain rights-of-way
15 from them to complete the BI-Crescent Project is incorrect. No existing Duquesne Light
16 transmission facilities traverse the property located at 306 Konter Road today and no
17 transmission facilities are planned to traverse this property as a part of the BI-Crescent
18 Project. As such, the Company does not need and does not intend to acquire any rights-
19 of-way to locate any transmission facilities associated with the BI-Crescent Project on the
20 property located at 306 Konter Road.

1 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
2 **of-way relative to the property located at 306 Konter Road?**

3 A. Again, none of the right-of-way or the associated facilities traverse this property. A map
4 depicting the location of these facilities is attached as Duquesne Light Exhibit LG-1. As
5 can be seen on the map, the edge of the easement acquired on Mr. Gable's property is
6 more than 650 feet from the closest property line of the parcel located at 306 Konter
7 Road.

8
9 **Q. What is the basis for Mrs. Adams' and Mrs. Crowe's assertions in this proceeding**
10 **that the Company must obtain an easement from them?**

11 A. Mrs. Adams and Mrs. Crowe believe that the Company must obtain an easement to use
12 Konter Road to access a construction road located on the property of Mr. Richard Gable,
13 their neighbor, located at 304 Konter Road. I note that the Company obtained an
14 easement from Mr. Gable in connection with the BI-Crescent Project in 2018 (*see* Tr.
15 140, 144-145; *see also* Exhibit Gable 4) and that the Company possesses an additional
16 easement associated with the existing transmission facilities right-of-way that will be
17 used for the BI-Crescent Project (as depicted in Duquesne Light Exhibit LG-2).

18
19 **Q. Is Duquesne Light required to obtain an easement to use Konter Road?**

20 A. I am advised by counsel that Duquesne Light is not. On November 14, 1914, Alpha
21 Light Company, predecessor-in-interest to Duquesne Light, purchased an easement from

1 Ebenezer and Susannah Worth and Samuel P. and Mary E. Worth across their
2 undeveloped property in Coraopolis (the "Worth Property"). This easement was
3 documented in an Indenture (the "Worth Agreement"), which is filed of record, and the
4 Worth Property and associated easement are depicted in Duquesne Light Exhibit LG-2.
5 The Worth Property was later subdivided into several parcels and Konter Road was
6 constructed; however, the Worth Agreement is still in the chain of title for all parcels
7 subdivided from the Worth Property and on Konter Road, including 304 Konter Road.
8 The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair,
9 renew and finally remove..." the electric transmission system and "*to enter upon said*
10 *premises at any time for said purposes*" (emphasis added). Because Konter Road is part
11 of the Worth Property, Duquesne Light has the right to utilize it to access its
12 infrastructure, including repairing and renewing that infrastructure.

13
14 **Q. Mrs. Adams and Mrs. Crowe also point to supposed plans to widen Konter Road as**
15 **a part of the Project. (Tr. 93-96; Exhibit Adams 16A) Please identify what Exhibit**
16 **Adams 16A is and explain what it depicts.**

17 A. Exhibit Adams 16A appears to be a depiction of boundary of the Worth Property, as
18 defined above, at the time the Worth Easement was acquired by Duquesne Light and of
19 which Konter Road was a part. There are no current plans to widen Konter Road, which
20 was part of the original Worth Property; however, there are ruts and holes in the road that
21 Duquesne Light will need to repair in order to drive construction vehicles on the road.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Q. Are Mrs. Adams and Mrs. Crowe correct that Duquesne Light intends to widen Konter Road as a part of the BI-Crescent Project?

A. No. Duquesne Light's current construction plans do not involve the widening of Konter Road; however, Duquesne Light will repair ruts and potholes in the road so that construction vehicles can utilize the road. Duquesne Light also plans to create a construction entrance to Mr. Gable's property, as permitted under Duquesne Light's agreement with Mr. Gable.

Q. Does the Company have the right to legally access Konter Road and conduct construction activities associated with the BI-Crescent Project?

A. Yes. As advised by counsel, the Worth Agreement is still in the chain of title for all parcels subdivided from the Worth Property, including the portion that is now Konter Road. The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair, renew and finally remove..." the electric transmission system and "to enter upon said premises at any time for said purposes" (emphasis added).

Q. Do Mrs. Adams and Mrs. Crowe raise any other issues regarding Duquesne Light's right-of-way acquisition activities with respect to 306 Konter Road?

A. Yes. Both Mrs. Adams and Mrs. Crowe assert that Duquesne Light, its employees and/or its agents: (1) have trespassed on this property (*see e.g.*, Tr. 74-75, 123); (2) have

1 harassed Mrs. Adams, Mrs. Crowe or other landowners during the course of right-of-way
2 acquisition activities (*see e.g.*, Tr. 82, 101-102); and (3) have not communicated with the
3 attorney retained by Mrs. Adams and Mrs. Crowe regarding 306 Konter Road (*see e.g.*,
4 Tr. 81-82).

5
6 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions that Duquesne Light is trespassing**
7 **on the property located at 306 Konter Road correct?**

8 A. No. The real property known as 306 Konter Road, Allegheny County Tax Parcel
9 Number 0701-L-00126-0000-00, is not impacted by the existing BI-Crescent Line nor by
10 the BI-Crescent Project. That parcel is also not impacted by any related Duquesne Light
11 construction plans or construction-related activities. I am unaware of any circumstance
12 in which Duquesne Light's agents or employees trespassed upon the parcel located at 306
13 Konter Road.

14
15 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions correct that Duquesne Light, its**
16 **employees or its agents have harassed Mrs. Adams, Mrs. Crowe or other**
17 **landowners during the course of right-of-way acquisition activities?**

18 A. No. Contrary to Mrs. Adams' and Mrs. Crowe's assertions, I am unaware of any
19 circumstances in which Duquesne Light agents or employees harassed any landowners in
20 the course of right of way acquisition activities. Duquesne Light agents are required to
21 comply by the Code of Conduct provided to all property owners prior to negotiation of a

1 transmission line easement, which Code of Conduct was included in the notices attached
2 to the Application as Attachment 13. Further, Duquesne Light did not seek an easement
3 from either Mrs. Adams or Mrs. Crowe in connection with the BI-Crescent Project as 306
4 Konter Road is not impacted by the BI-Crescent Project and no further easement was
5 required on the property located at 1123 Juanita Drive beyond the easement currently in
6 place.

7
8 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions correct that Duquesne Light, its**
9 **employees or its agents have not properly communicated through their attorney?**

10 A. No. Except as related to Mrs. Crowe and Mrs. Adams' PUC Complaints, Duquesne Light
11 counsel worked directly with Mrs. Adams and Mrs. Crowe's attorney in connection with
12 all questions raised by these property owners. Protestants' counsel advised Duquesne
13 Light counsel that she did not represent Mrs. Adams or Mrs. Crowe in connection with
14 their PUC Complaints

15
16 **Q. Please respond to Mrs. Marinkovic's assertion that the Company has not obtained**
17 **necessary rights-of-way regarding the 205 Purdy Road property.**

18 A. As with the property located at 306 Konter Road, no existing Duquesne Light
19 transmission facilities traverse the property located at 205 Purdy Road today and no
20 transmission facilities are planned to traverse this property as a part of the BI-Crescent
21 Project. As such, the Company does not need and does not intend to acquire any rights-

1 of-way to locate any transmission facilities associated with the BI-Crescent Project on the
2 property located at 205 Purdy Road.

3
4 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
5 **of-way relative to the property located at 205 Purdy Road?**

6 A. Again, none of the right-of-way or the associated facilities traverse this property. A map
7 depicting the location of these facilities is attached as Duquesne Light Exhibit LG-1. As
8 can be seen on the map, the BI-Crescent Line is more than 200 feet from the closest
9 boundary line of the parcel at 205 Purdy Road.

10
11 **Q. Similar to Mrs. Adams and Mrs. Crowe, Mrs. Marinkovic also points to supposed**
12 **plans to widen the point where Purdy Road meets Konter Road as a part of the**
13 **Project. (Tr. 150-151; Exhibit Adams 16A) Please respond.**

14 A. There are no current plans to widen Konter Road in connection with the BI-Crescent
15 Project; however, there are ruts and holes in the road that Duquesne Light will need to
16 repair in order to drive construction vehicles on the road.

17
18 **Q. Does the Company have the right to legally access Purdy Road and conduct**
19 **construction activities associated with the BI-Crescent Project?**

20 A. Yes. As noted above, as I am advised by counsel, the Worth Agreement is still in the
21 chain of title for all parcels subdivided from the Worth Property, including Konter Road.

1 The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair,
2 renew and finally remove..." the electric transmission system and "*to enter upon said*
3 *premises at any time for said purposes*" (emphasis added).

4
5 **Q. Does Mrs. Marinkovic raise any other issues regarding Duquesne Light's right-of-**
6 **way acquisition activities?**

7 A. Yes. Mrs. Marinkovic asserts that Duquesne Light, its employees and/or its agents: (1)
8 have trespassed on this property (*see e.g.*, Tr. 153); and/or (2) have harassed and bullied
9 other landowners during the course of right-of-way acquisition activities (*see e.g.*, Tr.
10 153).

11
12 **Q. Are Mrs. Marinkovic's assertions correct that Duquesne Light is trespassing on**
13 **properties at or near Purdy Road, or other properties?**

14 A. No. As noted previously, I am advised by counsel that the properties that are within the
15 original Worth Property are subject to the original Worth Agreement. The Worth
16 Agreement permits Duquesne Light "to erect, use, operate, maintain, repair, renew and
17 finally remove..." the electric transmission system and "*to enter upon said premises at*
18 *any time for said purposes*" (emphasis added).

1 **Q. Are Mrs. Marinkovic's assertions correct that Duquesne Light, its employees or its**
2 **agents have harassed her or other landowners during the course of right-of-way**
3 **acquisition activities?**

4 A. No. I am unaware of any circumstances in which Duquesne Light agents or employees
5 harassed any landowners in the course of right-of-way acquisition activities. Duquesne
6 Light agents are required to comply by the Code of Conduct provided to all property
7 owners prior to negotiation of a transmission line easement, which Code of Conduct was
8 included in the notices attached to the Application as Attachment 13. However,
9 Duquesne Light did not attempt to acquire easements or other rights from Mrs.
10 Marinkovic in connection with the BI-Crescent Project, as the BI-Crescent Line is not on
11 the parcel located at 205 Purdy Road, Allegheny Tax Parcel Number 0701-L-00195-
12 0000-00, and the BI-Crescent Project does not impact that property.

13

14 **B. PROPERTIES NEAR JUANITA DRIVE**

15

16 **Q. Mrs. Crowe also appears to assert that the Company has not obtained easements**
17 **necessary for for the BI-Crescent from properties near 1123 Juanita Drive. Please**
18 **respond.**

19 A. The only property located near 1123 Juanita Drive that will be traversed by right-of-way
20 associated with the BI-Crescent Project is the property located at 1123 Junanita Drive.
21 The Company already possesses as easement for transmission facilities on this property.

1 As such, the Company does not need and does not intend to acquire any rights-of-way to
2 from other nearby properties.

3
4 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
5 **of-way relative to the property located at 1123 Juanita Drive?**

6 A. Unlike the other properties addressed hereunder, the existing BI-Crescent Line does
7 traverse Mrs. Crowe's property located at 1123 Juanita Drive, Allegheny County Tax
8 Parcel ID Number 0209-A-00089-0000-00. A map depicting the location of these
9 facilities is attached as Duquesne Light Exhibit LG-3. As can be seen on the map, the
10 BI-Crescent Line is right along the border between Mrs. Crowe's property and properties
11 owned by Mr. and Mrs. Schneider, Mr. and Mrs. Mascellino, and Mr. and Mrs. Grimes.
12 The dotted line along the BI-Crescent Line indicates the distance that Duquesne Light has
13 historically managed vegetation along the corridor.

14
15 **Q. Does Mrs. Crowe raise any additional issues with Duquesne Light's right-of-way**
16 **acquisition activities with respect to the 1123 Juanita Drive property?**

17 A. Yes. Mrs. Crowe asserts Duquesne Light employees may have trespassed on her
18 property, near Zenoba Drive. (Tr. 129-130; *see also* Exhibit Crowe 8)

19
20 **Q. Has Duquesne Light, its employees or its agents trespassed on the property located**
21 **at 1123 Juanita Drive?**

1 A. I am unaware of any Duquesne Light employee or agent who has entered the property
2 located at 1123 Juanita Drive in furtherance of the BI-Crescent Project. The blue tag on a
3 stake depicted in Crowe Exhibit 8 is not a Duquesne Light survey tag. Notwithstanding
4 this, I am advised by counsel that Duquesne Light does have the legal right to enter the
5 property located at 1123 Juanita Drive by virtue of its existing easement on this property.
6 By way of further explanation, on November 30, 1914, Southern Heat, Light and Power
7 Company, predecessor-in-interest to Duquesne Light, purchased an easement from R. H.
8 and Mary McKown across their undeveloped property in Robinson Township,
9 Pennsylvania (the "McKown Property"). This easement was documented in an Indenture
10 (the "McKown Agreement") which was filed of record in the Allegheny County Real
11 Estate Office. The McKown Property was later subdivided into many parcels; however,
12 the McKown Agreement is still in the chain of title for all parcels subdivided from the
13 McKown Property and on Konter Road. The McKown Agreement permits Duquesne
14 Light "to erect, use, operate, maintain, repair, renew and finally remove..." the electric
15 transmission system and "*to enter upon said premises at any time for said purposes*"
16 (emphasis added).

17

18 **C. THE WILSON PROPERTY**

19 **Q. Mrs. Wilson asserts that the Company has not obtained a sufficient easement for the**
20 **portion of the Project that will traverse her property at 9 McGovern Boulevard.**
21 **Please respond.**

1 A. Mrs. Wilson's assertion is twofold. First, she states that the Company has cleared beyond
2 the existing 25 foot wide easement on her property. (Tr. 168). Second, she asserts that
3 the Company should be required to obtain a 150 foot wide easement to cross her
4 property. (Tr. 168).

5 Mrs. Wilson is correct that the 1914 easement burdening Mrs. Wilson's property provides
6 that the right of way itself is 25 feet in width; however, the Indenture of record also gives
7 Duquesne Light right to "enter upon said premises at any time, for said [electric
8 transmission system] purposes, together with the *further right to trim or remove any trees*
9 *or shrubbery which, at any time, may interfere or threaten to interfere with the*
10 *construction, maintenance or operation of such electric transmission system."* [Emphasis
11 added.] It is on this basis that Duquesne Light has been pruning or removing vegetation
12 on Mrs. Wilson's property for over 100 years. To the best of my knowledge, Mr. Moore
13 attempted to acquire an additional easement in the hope to expand the vegetation work on
14 Mrs. Wilson's property beyond what has been managed historically. When negotiations
15 between Mrs. Wilson's counsel and counsel for Duquesne Light proved unsuccessful,
16 Duquesne Light redesigned the pole on Mrs. Wilson's property so that the BI-Crescent
17 Line, as re-engineered, would comply with appropriate safety codes and remain within
18 the existing cleared corridor. As re-engineered, Duquesne Light no longer requires an
19 easement 150 feet in width on Mrs. Wilson's property.

20

1 **III. NOTICE OF SCHAEFER CONDEMNATION APPLICATION**

2 **Q. As a part of this proceeding, did you testify regarding the Company's Schaefer**
3 **Condemnation Application?**

4 A. Yes.

5
6 **Q. Please explain the Company's efforts to investigate the ownership of the property**
7 **that is the subject of the Schaefer Condemnation Application.**

8 A. George Schaefer died in 1946 and his wife Alice died in 1952, leaving six (6) surviving
9 children: (1) Herbert William Schaefer; (2) Alice Elizabeth Schaefer; (3) Edna
10 Marguerite Schaefer; (4) Jean Whitting Smith; (5) Beatrice Eleanor Sullivan; and (6)
11 Glenn Abbot Schaefer. At the time of Duquesne Light's search efforts, Beatrice Eleanor
12 Sullivan was the only one of Mr. Schaefer's six surviving children still living. Our
13 counsel contacted attorney Chris Beall, husband to one of Mrs. Sullivan's daughters.
14 During that conversation, Mr. Beall advised Duquesne Light counsel that the Schaefer
15 heirs were not interested in entering into an agreement, acknowledgement or acceptance
16 of ownership of the Schaefer property, would have any negative consequences for the
17 Schaefer heirs. Mr. Beall further advised that the Schaefer heirs had no interest in
18 assisting DLC clear title to the Property. Our counsel was later contacted by Michael
19 Syme, who declared himself to be counsel for the Schaefer heirs and asserted that all
20 Schaefer children died intestate. Duquesne Light counsel searched available records
21 from the Counties of the last known residences of each Schaefer child and found record

1 of the wills of two of Mr. Schaefer's children and it is presumed that the remaining three
2 died intestate.

3 Through review of intestacy law and those estates of record, Duquesne Light
4 believes that the heirs ultimately served were those who could claim an interest in the
5 Schaefer property. Roger E. Smith, Wayne Allen Smith, and Gary Lee Smith are
6 descendants of Jean Witting Smith and are beneficiaries under will of Alice Elizabeth
7 Schaefer. Teri Sue Phoenix, Steven Lambert Schaefer, and David Abbott Schaefer are
8 the children of Glenn Abbott Schaefer and are beneficiaries under will of Alice Elizabeth
9 Schaefer. Beatrice Eleanor Sullivan is the daughter of George and Alice Schaefer and
10 her children, Gail Dodge and Jean Louise Sullivan-Bell are beneficiaries under will of
11 Alice Elizabeth Schaefer.

12
13 **Q. Upon whom did the Company serve the BI-Crescent Project Application and the**
14 **Schaefer Condemnation Application with respect to the Schaefer Property?**

15 A. Based upon the representation of Attorney Syme, that he was acting as counsel to the
16 Schaefer Estate, Duquesne Light initially served the BI-Crescent Project Application and
17 the Schaefer Condemnation Application upon Attorney Syme.

18
19
20 **Q. Did the Company also publish a notice of both Applications in a newspaper of**
21 **general circulation in the area in which the property is located?**

1 A. Yes. Duquesne Light filed a proof of publication on April 30, 2019, a copy of which is
2 attached hereto as Duquesne Light Exhibit LG-5 (Schaefer).

3

4 **Q. Did the Company subsequently serve the known, potential heirs of the Schaefer**
5 **property?**

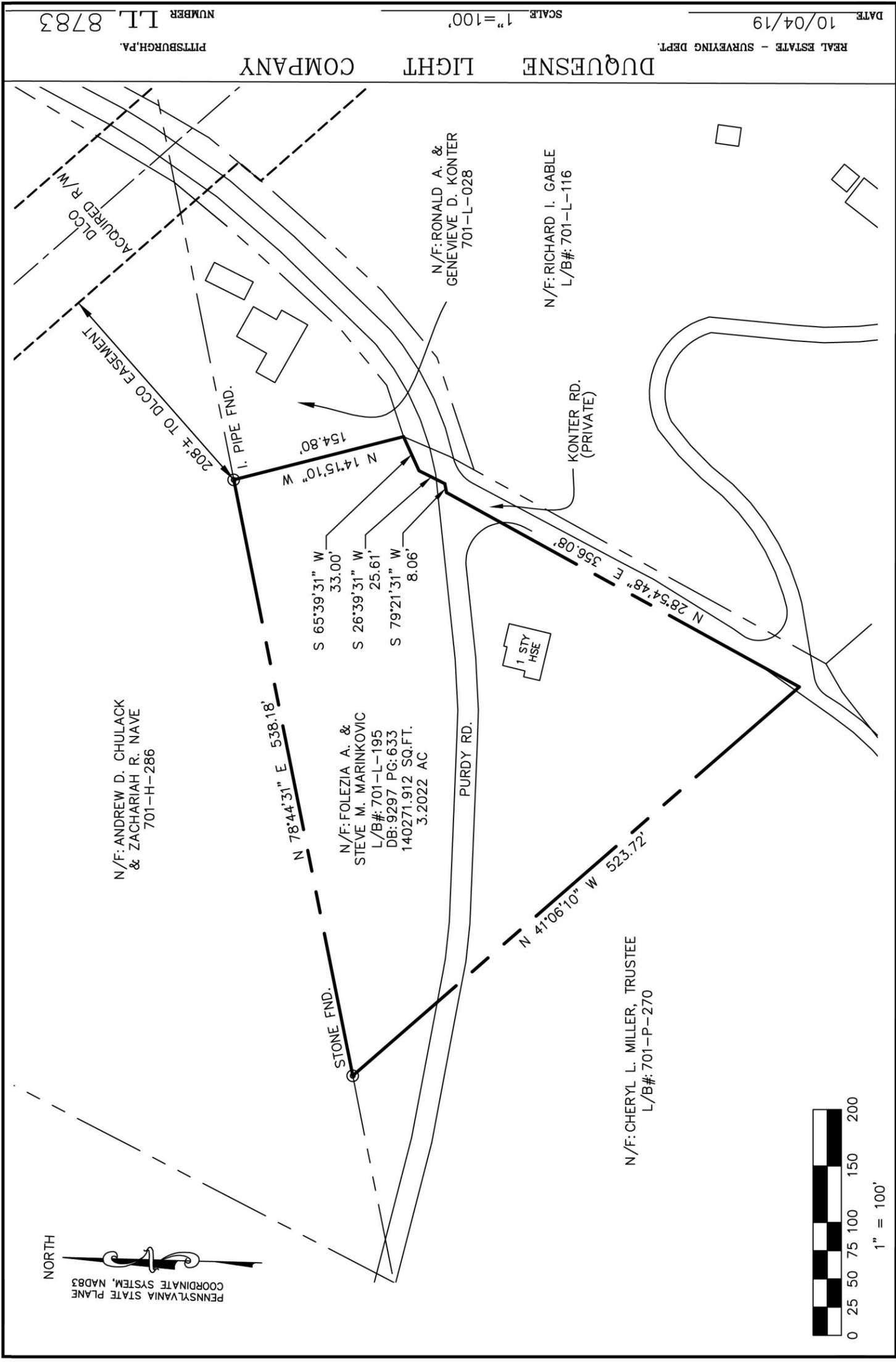
6 A. Yes. After receiving correspondence from Mr. Beall and the Administrative Law Judge
7 with respect to the Schaefer property and associated condemnation application, the
8 Company served the BI-Crescent Project Application and the Schaefer Condemnation
9 Application upon Roger E. Smith, Wayne Allen Smith, Gary Lee Smith, Teri Sue
10 Phoenix, Steven Lambert Schaefer, David Abbott Schaefer, Beatrice Eleanor Sullivan,
11 Gail Dodge, and Jean Louise Sullivan-Bell on August 15, 2019.

12

13 **Q. Does this complete your rebuttal testimony at this time?**

14 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
15 course of this proceeding.

Duquesne Light Exhibit LG-1



REAL ESTATE - SURVEYING DEPT.
DUQUESNE LIGHT COMPANY
PITTSBURGH, PA.
DATE 10/04/19
SCALE 1"=100'
NUMBER LL 8783

NOTES:
• ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

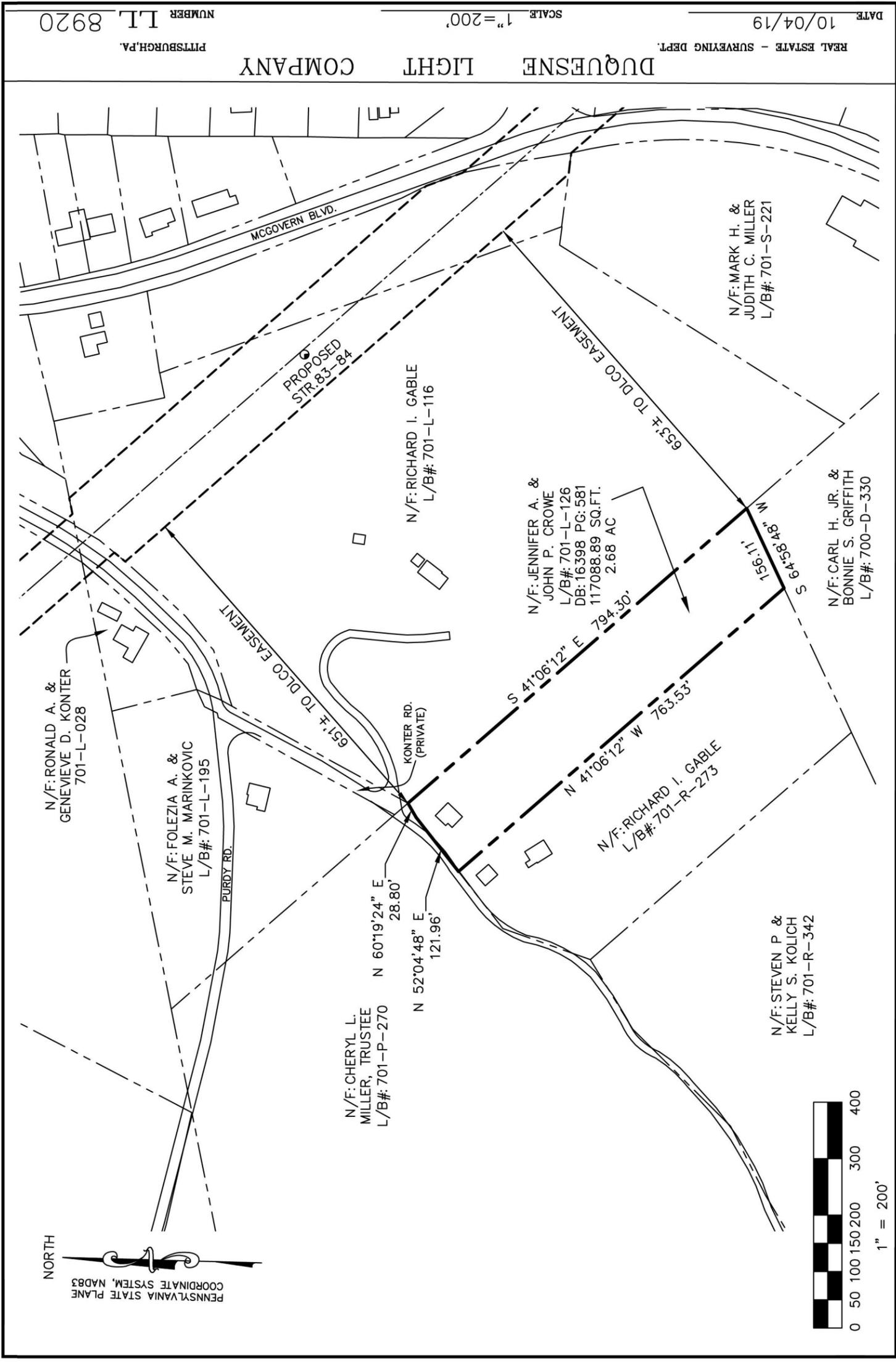
REVISIONS:

SURVEY NOTES:
DATE OF SURVEY: 2/28/17
○ SET IRON ROD UNLESS OTHERWISE NOTED
● FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
● TAX IDENTIFICATION FOUND
○ IRON PIN
● CONCRETE
○ RIGHT-OF-WAY
● POINT OF BEGINNING

A R STY PBV PG
ARC RADIUS STORY PLAN BOOK VOLUME
DUQUESNE LIGHT POLE (EXISTING)
DUQUESNE LIGHT POLE (PROPOSED)

DLCO
DUQUESNE LIGHT CO.
DUQUESNE LIGHT COMPANY
Real Estate/Surveying Dept. Pittsburgh, PA
DATE 10/04/19
DRAWN JLS
CHECKED
INSPECTED
ARCH. APP.
ELECT. APP.
MECH. APP.
STRUCT. APP.

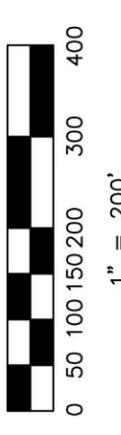
BI-CRESCENT	
FOLEZIA A. & STEVE M. MARINKOVIC L/B#: 701-L-195/DB: 9297 PG: 633 MOON TWP/ALLEGHENY COUNTY	
APP. COMPLETE WHEN PAID HERE	O.F.E. No.
	C.O. No.
	LL 8783



PITTSBURGH, PA. NUMBER LT. 8920 DATE 10/04/19 SCALE 1"=200'

DUQUESNE LIGHT COMPANY REAL ESTATE - SURVEYING DEPT.

NORTH
PENNSYLVANIA STATE PLANE
COORDINATE SYSTEM, NAD83



NOTES:
• ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

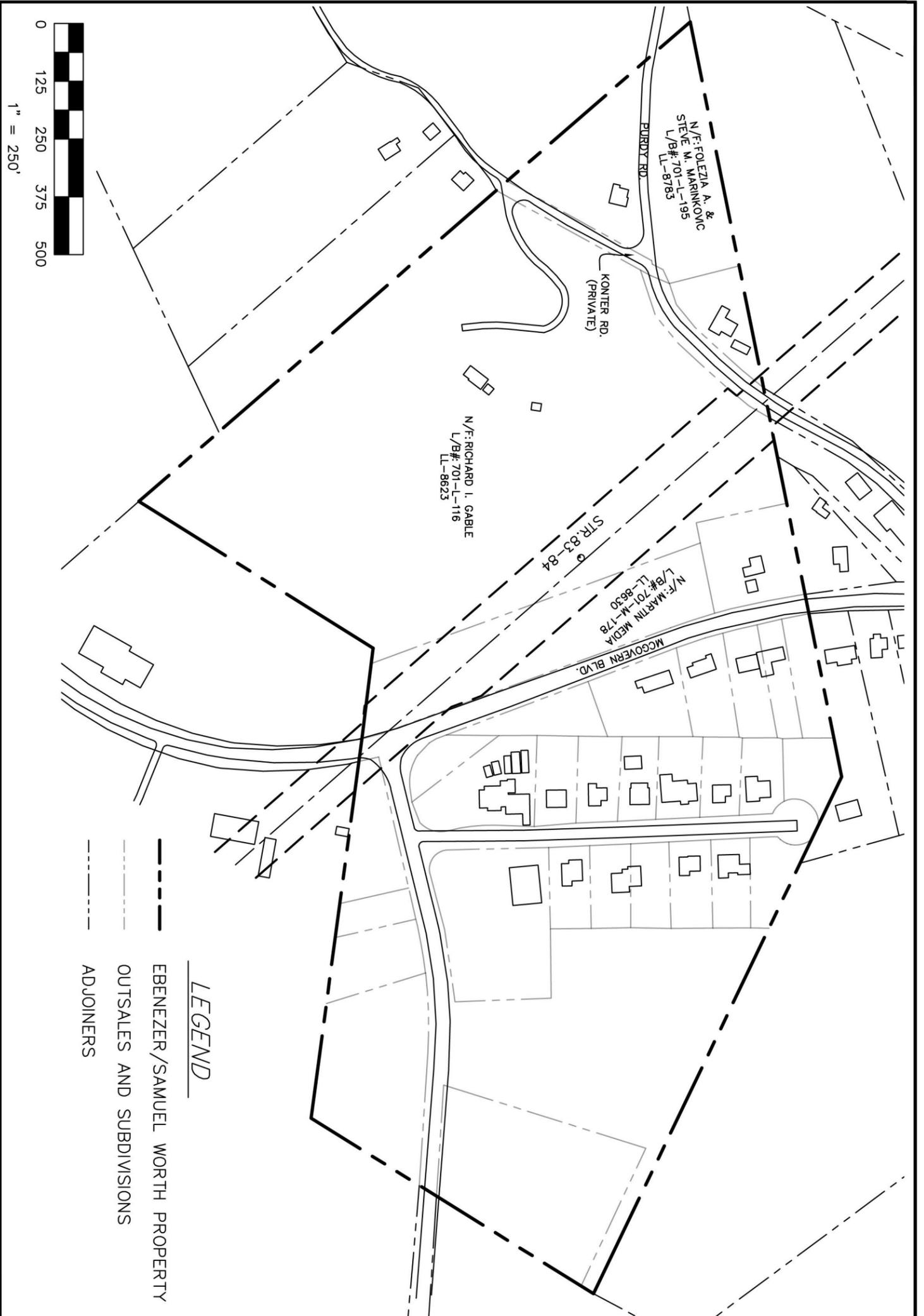
REVISIONS:

- SURVEY NOTES:
DATE OF SURVEY: 2/28/17
○ SET IRON ROD UNLESS OTHERWISE NOTED
● FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
● TAX IDENTIFICATION FOUND
○ IRON PIN
● CONCRETE
○ RIGHT-OF-WAY
● POINT OF BEGINNING

- ARC RADIUS
STORY PLAN BOOK VOLUME
PAGE DUQUESNE LIGHT POLE (EXISTING)
DUQUESNE LIGHT POLE (PROPOSED)
- A R STY PBV PG ○ ●

		DUQUESNE LIGHT COMPANY <i>Real Estate/Surveying Dept. Pittsburgh, PA</i>		BI-CRESCENT	
SCALE DATE 10/04/19 DRAWN JLS CHECKED INSPECTED	ARCH. APP. ELECT. APP. MECH. APP. STRUCT. APP.	JENNIFER A. & JOHN P. CROWE L/B#: 701-L-126/DB: 16398 PG: 581 MOON TWP./ALLEGHENY COUNTY O.F.E. No. C.O. No.	N/F: RONALD A. & GENEVIEVE D. KONTER 701-L-028	N/F: FOLEZIA A. & STEVE M. MARINKOVIC L/B#: 701-L-195	N/F: RICHARD I. GABLE L/B#: 701-L-116
N/F: CHERYL L. MILLER, TRUSTEE L/B#: 701-P-270	N 60°19'24" E 28.80' N 52°04'48" E 121.96'	N/F: JENNIFER A. & JOHN P. CROWE L/B#: 701-L-126 DB: 16398 PG: 581 117088.89 SQ.FT. 2.68 AC	N/F: STEVEN P & KELLY S. KOLICH L/B#: 701-R-342	N/F: RICHARD I. GABLE L/B#: 701-R-273	N/F: MARK H. & JUDITH C. MILLER L/B#: 701-S-221
N/F: CARL H. JR. & BONNIE S. GRIFFITH L/B#: 700-D-330	S 64°58'48" W 156.11' S 41°06'12" E 794.30' N 41°06'12" W 763.53'	653.F TO DLCO EASEMENT 651.F TO DLCO EASEMENT 637.F TO DLCO EASEMENT PROPOSED STR. 83-84 MCGOVERN BLVD. PURDY RD. KONTER RD. (PRIVATE)	1"=200'	L.L. 8920	APP. COMPLETE WHEN PAID HERE

Duquesne Light Exhibit LG-2



LEGEND

----- EBENEZER/SAMUEL WORTH PROPERTY

----- OUTSALES AND SUBDIVISIONS

----- ADJOINERS

REVISIONS:

SURVEY NOTES:
DATE OF SURVEY: 2/28/17

- SET IRON ROD UNLESS OTHERWISE NOTED
- FOUND IRON ROD UNLESS OTHERWISE NOTED
- N/F NOW OR FORMERLY
- L/B# TAX IDENTIFICATION
- FND FOUND
- I.P. IRON PIN
- CONC CONCRETE
- R/W RIGHT-OF-WAY
- POB POINT OF BEGINNING

- A ARC
- R RADIUS
- STY STORY
- PBV PLAN BOOK
- PG PAGE
- DUQUESNE LIGHT VOLUME
- (EXISTING) DUQUESNE LIGHT POLE
- (PROPOSED) DUQUESNE LIGHT POLE

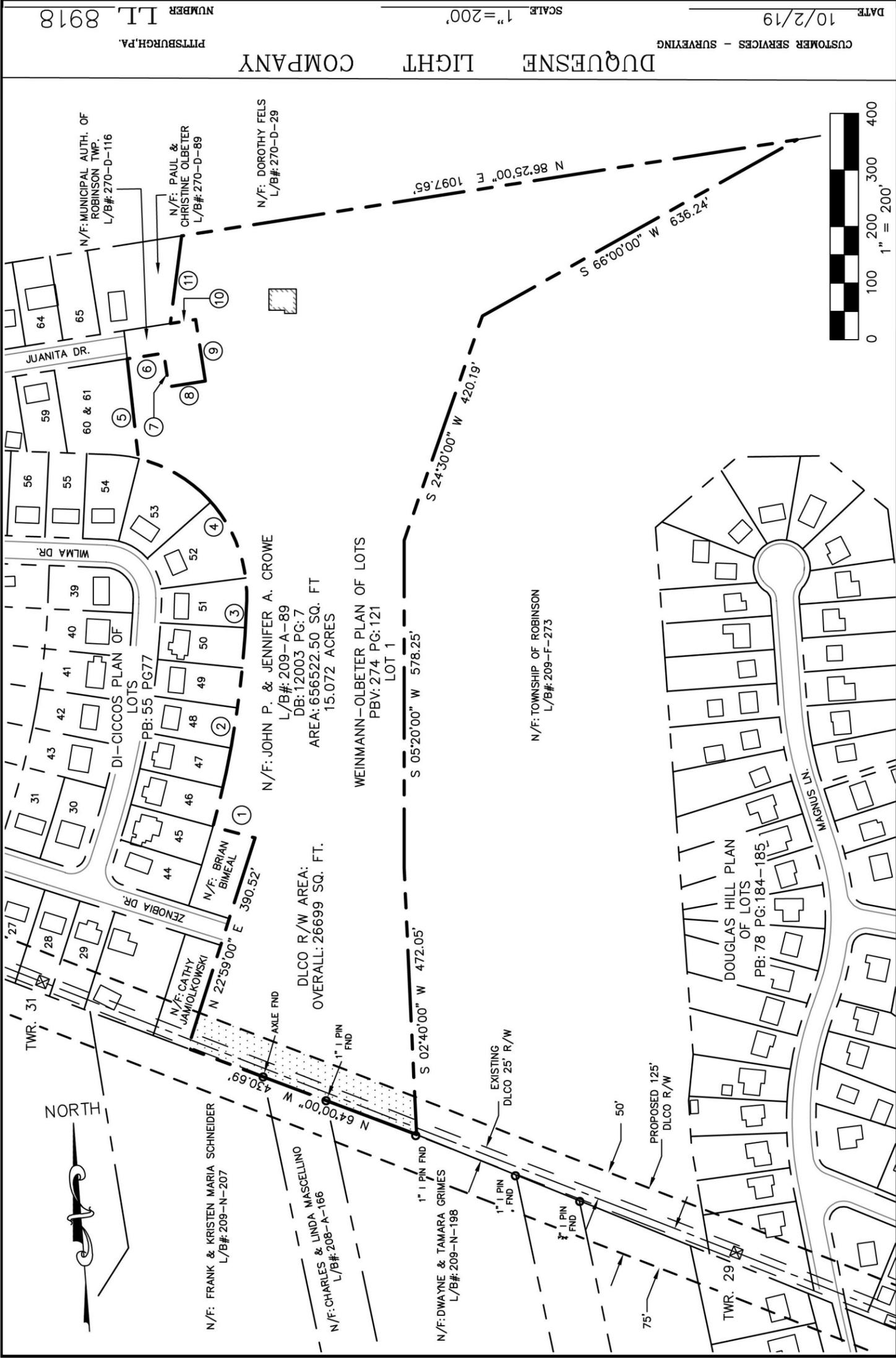
<p>DUQUESNE LIGHT COMPANY Real Estate/Surveying Dept. Pittsburgh, PA</p>		<p>BI-CRESCENT</p> <p>EBENEZER/SAMUEL WORTH ORIGINAL PROPERTY SKETCH MOON TWP/ALLEGHENY COUNTY</p>	
<p>APP. COMPLETE WHEN HERE</p>		<p>O.F.E. No.</p>	<p>C.O. No.</p>
<p>SKETCH</p>			

DUQUESNE LIGHT COMPANY PITTSBURGH, PA.

REAL ESTATE - SURVEYING DEPT. NUMBER **LL SKETCH**

DATE 10/04/19 SCALE 1" = 250'

Duquesne Light Exhibit LG-3



DATE 10/2/19
SCALE 1" = 200'
PITTSBURGH, PA. NUMBER LT. 8918

DUQUESNE LIGHT COMPANY
CUSTOMER SERVICES - SURVEYING



- COURSE DESCRIPTION:
1. N 69°30'17" W 76.51'
 2. R=1724.38' 391.61'
 3. N 07°29'00" E 11.93'
 4. R=250.00' 342.58'
 5. N 01°02'20" W 177.24'
 6. N 86°25'00" W 65.00'
 7. S 03°35'00" E 60.00'
 8. N 86°25'00" E 65.00'
 9. N 03°35'00" W 110.00'
 10. S 86°25'00" W 169.82'
 11. N 03°35'00" W 149.87'

NOTES:
• ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

REVISIONS:

SURVEY NOTES:
DATE OF SURVEY: 1/14/17
○ SET IRON ROD UNLESS OTHERWISE NOTED
○ FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
○ TAX IDENTIFICATION NUMBER
○ FOUND
○ IRON PIN
○ CONCRETE
○ RIGHT-OF-WAY
○ POINT OF BEGINNING

ARC	STY	NOTED	DESCRIPTION
R	PBV	○	RADIUS
A	PG	○	PLAN BOOK VOLUME
	○	○	DUQUESNE LIGHT POLE (EXISTING)
	●	○	DUQUESNE LIGHT POLE (PROPOSED)

DUQUESNE LIGHT COMPANY
Real Estate/Surveying Dept. Pittsburgh, PA

BI-CRESCENT

JOHN P. & JENNIFER A. CROWE
L/B#209-A-89/DB:12003 PG:007
ALLEGHENY COUNTY

DATE 10/2/19	ARCH. APP.
DRAWN DND	ELECT. APP.
CHECKED JLS	MECH. APP.
INSPECTED	STRUCT. APP.

APP. COMPLETE WHEN INITIALED HERE	O.F.E. No.	C.O. No.
		LL 8918

Duquesne Light Exhibit LG-5
(Schaefer)



Emily M. Farah
Counsel, Regulatory

411 Seventh Avenue
Mail drop 15-7
Pittsburgh, PA 15219

Tel: 412-393-6431
efarah@duqlight.com

April 30, 2019

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Keystone Bldg. 2nd Floor W
400 N. Street
Harrisburg, PA 17120

RE: Application of Duquesne Light Company filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138 kV Transmission Lines Associated with the Brunot Island - Crescent Project in the City of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon Township, and Crescent Township, Allegheny County, Pennsylvania
Docket No. A-2019-3008589

Dear Secretary Chiavetta:

On March 15, 2019, Duquesne Light Company ("Duquesne Light" or the "Company") filed the above-captioned Line Siting Application, wherein the Company stated it would publish notice of the filing and other relevant information in newspapers of general circulation. On March 28, 2019 the Presiding Officer, Administrative Law Judge Mary D. Long, set a Prehearing Conference for June 6, 2019.

The newspaper of general circulation in the Brunot Island – Crescent 138 kV Transmission Line ("BI – Crescent") territory is the Pittsburgh Post-Gazette. On April 15, 2019 and April 24, 2019 Duquesne Light published notice of the project in the Pittsburgh Post-Gazette, pursuant to 52 Pa. Code § 57.75. As shown on the enclosed proof of publication, the notice included (but was not limited to) a description of the BI – Crescent project and its location, and information regarding the Prehearing Conference.

Please contact me if you have any questions, comments, or concerns.

Respectfully,

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
Duquesne Light Company

Enclosure

No. _____ Term, _____

Proof of Publication of Notice in Pittsburgh Post-Gazette

Under Act No 587, Approved May 16, 1929, PL 1784, as last amended by Act No 409 of September 29, 1951

Commonwealth of Pennsylvania, County of Allegheny, ss K. Flaherty, being duly sworn, deposes and says that the Pittsburgh Post-Gazette, a newspaper of general circulation published in the City of Pittsburgh, County and Commonwealth aforesaid, was established in 1993 by the merging of the Pittsburgh Post-Gazette and Sun-Telegraph and The Pittsburgh Press and the Pittsburgh Post-Gazette and Sun-Telegraph was established in 1960 and the Pittsburgh Post-Gazette was established in 1927 by the merging of the Pittsburgh Gazette established in 1786 and the Pittsburgh Post, established in 1842, since which date the said Pittsburgh Post-Gazette has been regularly issued in said County and that a copy of said printed notice or publication is attached hereto exactly as the same was printed and published in the regular editions and issues of the said Pittsburgh Post-Gazette a newspaper of general circulation on the following dates, viz:

15, 24 of April, 2019

Affiant further deposes that he/she is an agent for the PG Publishing Company, a corporation and publisher of the Pittsburgh Post-Gazette, that, as such agent, affiant is duly authorized to verify the foregoing statement under oath, that affiant is not interested in the subject matter of the afore said notice or publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

K. Flaherty

PG Publishing Company

Sworn to and subscribed before me this day of:
April 24, 2019

Elizabeth R. Chmura

Commonwealth of Pennsylvania - Notary Seal
Elizabeth R. Chmura, Notary Public
Allegheny County
My commission expires February 8, 2022
Commission number 1326781
Member, Pennsylvania Association of Notaries

STATEMENT OF ADVERTISING COSTS
Duquesne Light Co-LEGAL
411 SEVENTH AVE 16-1
ATTN: MARY JANE HAMMER
PITTSBURGH PA 15219-1919

To PG Publishing Company

Total _____ \$1,404.00

Publisher's Receipt for Advertising Costs

PG PUBLISHING COMPANY, publisher of the Pittsburgh Post-Gazette, a newspaper of general circulation, hereby acknowledges receipt of the aforesaid advertising and publication costs and certifies that the same have been fully paid.

Office
2201 Sweeney Drive
CLINTON, PA 15026
Phone 412-263-1338

PG Publishing Company, a Corporation, Publisher of
Pittsburgh Post-Gazette, a Newspaper of General Circulation

By _____

I hereby certify that the foregoing is the original Proof of Publication and receipt for the Advertising costs in the subject matter of said notice.

Attorney For

COPY OF NOTICE OR PUBLICATION

NOTICES
PENNSYLVANIA PUBLIC UTILITY COMMISSION
Transmission Lines
Prehearing Conference
A-2019-0008519 Duquesne Light Company Application of Duquesne Light Company Next Under 52 Pa. Code Chapter 67 Subchapter D relating to Commission review of filing and construction of electric transmission lines for approval of the filing and construction of the 138 KV transmission lines associated with the Brunot Island-Crescor Project in the City of Pittsburgh, MOGASA, NUCO Borough, Kennedy Township, Robinson Township, Mason Township and Crosson Township, Allegheny County A-2019-0008522 Duquesne Light Company Application of Duquesne Light Company Next Under 52 Pa.C.S. § 1511(a) relating to additional powers of certain public utility corporations for a finding and determination that the service to be furnished by the applicant through its proposed exercise of the power of eminent domain to acquire a certain portion of the lands of George N. Schaefer of Moon Township, Allegheny County for the filing and construction of transmission lines associated with the proposed Brunot Island - Crescor Project is necessary or proper for the service, accommodation, convenience or safety of the public. Formal protests and petitions to intervene must be filed in accordance with 62 Pa. Code relating to public utility or on or before May 29, 2019. Filings must be made with the Secretary of the Pennsylvania Public Utility Commission, 400 North Street, Harrisburg, PA 17120, with a copy sent on the applicant. The documents filed in support of the application are available for inspection and copying at the Office of the Secretary between 8 a.m. and 4:30 p.m. Monday through Friday at the Pennsylvania Public Utility Commission's Commission web site at www.puc.pa.gov and at the applicant's business address.
Applicant: Duquesne Light Company-Through line by Counsel: Anthony D. Karsig; 1501 Square, 17 North Second Street, 12th Floor, Harrisburg, PA 17101-1601
Prehearing Conference: An initial prehearing conference on the previously-captioned case will be held as follows:
Date: Thursday, June 4, 2019 at 10am
Location: 2nd Floor Murray Room Post Office, 221, 301 Fifth Avenue, Pittsburgh, PA 15222 (412) 563-3850 Fax: 412 563 5692
Presiding Administrative Law Judge: Mary D. Long Post Office Persons with a disability who want to attend the hearing should contact the Scheduling Office at the Commission at least 5 business days prior to the hearing.
For persons who require an interpreter to participate in the hearing, the Commission will make every reasonable effort to have an interpreter present. Call the Scheduling Office at the Commission at least 10 business days prior to the hearing.
Scheduling Office: (717) 787 1399
Pennsylvania AT&T Relay Service: Number for persons who are deaf or hearing impaired: (800) 654-5988

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-_____
Subchapter G, for Approval of the Siting and :
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island-** :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 2

Written Direct Testimony of

Aimee Kay

**Topics Addressed: Summary of the Siting Study
Selection of the Proposed Routes for the Project**

1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Aimee Kay. My business address is 385 E. Waterfront Drive, Homestead,
4 PA 15120.

5
6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by GAI Consultants, Inc. and currently serve as an Environmental
8 Manager in the Power Delivery – Environmental Services Market Sector.

9
10 **Q. What are your principal responsibilities in this position?**

11 A. I am responsible for managing and coordinating studies for the siting, environmental
12 assessment, permitting/licensing, and reports of high voltage electric transmission lines.

13
14 **Q. Please provide a summary of your education and professional work experience.**

15 A. I have been providing environmental consulting services for over 27 years and have been
16 with GAI for over eight years. In my present capacity, I am responsible for (1) the
17 management of environmental impact studies, (2) ecological, archaeological, land-use
18 planning, and cultural resource studies, (3) facility siting studies, and (4) interpretation
19 and application of government regulations and procedures relating to facility permitting.

20 I have managed multiple utility transmission and substation (electric and gas) projects
21 since joining GAI, along with numerous utility projects since 1990 while at previous
22 employments. I earned a Bachelor of Arts Degree in Environmental Studies from
23 Edinboro University in 1986 and a Master of Science in Urban and Regional Planning
24 from Eastern Michigan University in 2007.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

Q. What is the purpose of your direct testimony in this proceeding?

A. My testimony provides a summary of the Route Selection of the Brunot Island-Crescent 138kV Transmission Line and the Siting Study. In my testimony, I identify and generally describe the *Environmental Assessment and Line Routing Study for the Duquesne Light Company Brunot Island-Crescent 138 kV Transmission Line Project, Allegheny County, Pennsylvania* report and appendices dated June 2018 (collectively the “Report”), which is included as Attachment 3 to the Application of Duquesne Light Company for the Siting and Construction of a 138 kV Transmission Line in Allegheny County, Pennsylvania (“Siting Application”). The Report explains (1) the methodology utilized by GAI and Duquesne Light (together, the “Siting Team”) to site the line route alternatives, (2) the evaluation of the alternatives and selection of a Proposed Route for the Project, and (3) the assessment and recommended mitigation of the potential environmental effects of the Proposed Route. The siting and environmental study activities described in the Report were performed by GAI, under my supervision, in coordination with Duquesne Light. The Report was filed with the Siting Application as Attachment 3.

Q. Were any portions of the siting study prepared by you or under your supervision?

A. Yes, the siting and environmental study activities were performed by GAI, under my supervision.

Q. Please provide an overview of the project.

1 A. As explained in the written direct testimony of Company witness Mr. Jason A. Harchick
2 (Duquesne Light Statement No. 1), Duquesne Light identified a need to address aging
3 infrastructure along the Brunot Island-Crescent 138 kV Transmission Line. To address
4 the aging infrastructure, Duquesne Light proposes to rebuild the Brunot Island-Crescent
5 138 kV Transmission Line that will extend approximately 14.55 miles between the
6 Brunot Island Substation in the City of Pittsburgh and the Crescent Substation in
7 Crescent Township. As further explained in Duquesne Light Statement No. 3 (Bieber),
8 the Brunot Island-Crescent 138 kV Transmission Line will be rebuilt as an overhead
9 transmission line along existing Right of Way.

10

11 **II. SITING STUDY**

12 **Q. Please describe the purpose of the Siting Study prepared for the proposed Project.**

13 A. The purpose of the siting study was to select a suitable route for a 138 kV electric
14 transmission line between the Brunot Island Substation and the Crescent Substation that
15 tied into the Montour, Sewickley and Neville Substations along its path. Furthermore,
16 the purpose was to establish alternative routes for evaluation that are environmentally
17 sound, feasible from an engineering and economic perspective, and compliant with
18 applicable regulatory requirements. Environmental soundness includes minimizing
19 environmental impacts while maximizing siting opportunities. Engineering and
20 economic feasibility includes minimizing engineering constraints, cost, and distance of
21 the route. Per Pennsylvania regulations at 52 Pa. Code § 57.1, alternative routes analyzed
22 must include “a reasonable right-of-way which includes not more than 25 percent of the
23 right-of-way of the applicant’s proposed route”.

1 To meet the purpose of the siting study, the Project study area was examined for
2 constraints and opportunities in order to develop alternative routes, analyze impacts
3 associated with the alternative routes, and select the proposed route. The Proposed Route
4 is the route that, when considering all the constraints and opportunities, best minimized
5 the overall impacts of the Project.
6

7 **Q. Please summarize the route development process used in the Siting Study.**

8 A. The initial step in the siting process involved the identification of a study area boundary.
9 This was established to include the Project end points (the existing Brunot Island
10 Substation and the existing Crescent Substation), the mid route tie in substations (the
11 existing Montour, Neville and Sewickley Substations), existing Duquesne Light
12 transmission line corridors to allow for opportunities to parallel existing ROWs, and the
13 intervening areas. The northern limits of this study area were defined to avoid the Ohio
14 River. The southern limits of the study area were defined to avoid close proximity to the
15 Pittsburgh International Airport and to avoid Interstate 376. The study area incorporates
16 an approximately 34.1-square-mile area in Allegheny County, PA.

17 Following establishment of the study area, GAI utilized recent aerial photography
18 (2015), United States Geological Survey (USGS) topographic mapping, agency
19 coordination, and published data to compile a geographic information system (GIS)-
20 based constraints map of the study area. This map identified sensitive natural, cultural
21 and socioeconomic resources in the study area. GAI used this information to develop
22 preliminary transmission line routes for further analysis to avoid major constraints to the
23 extent feasible.

1 Field reconnaissance was conducted to update data available for resources in the
2 vicinity of each of the preliminary routes. Route locations were then added or refined as
3 necessary based upon environmental and human/built constraints. A total of three
4 alternative routes were developed that minimize impacts to environmental, cultural and
5 socioeconomic constraints. The three alternatives were then qualitatively and
6 quantitatively analyzed and compared by the routing team to identify the ProposedRoute.

7
8 **Q. Please summarize the guidelines and factors used to identify and evaluate the**
9 **potential routes.**

10 A. These guidelines recognize the importance of protecting and enhancing natural,
11 historical, scenic, and recreational resources in and around electric transmission projects.
12 The siting guidelines were developed based upon the Pennsylvania Public Utility
13 Commission (“Commission”) regulations (52 Pa. Code § 57.1 *et seq.*), public input,
14 resource agency permitting requirements, engineering requirements and economic
15 feasibility. The siting guidelines include both siting opportunities and siting constraints.
16 Siting opportunities are locations representing land use and environmental resources,
17 which are compatible with the safe, economical, and reliable construction and operation
18 of a 138 kV transmission line. Siting constraints represent locations where a 138 kV
19 transmission line might have a potential adverse impact on sensitive resources or
20 locations where conditions might affect reliable and safe operation or economical
21 construction of the line. Siting opportunities include paralleling existing electric
22 transmission line, pipeline, or railroad ROW; maximizing the distance from residential
23 dwellings, schools, daycare facilities, hospitals and other community facilities; a short

1 direct route; open, uninhabited privately owned terrain; consistency with stakeholder
2 input; minimizing visibility from federal and state listed scenic roadways and designated
3 scenic resources; minimizing conflict with designated public resource lands, recreation
4 lands, nature preserves, or other conservation areas; minimizing potential environmental
5 and land use impacts by avoiding circuitous routes; minimizing new crossings of large
6 wetland complexes, critical habitat, and other unique or distinct natural resources;
7 minimizing habitat fragmentation; and impacts on designated areas of biodiversity
8 concern. Constraints include populated areas, recreational areas, conservation areas,
9 sensitive natural areas, cultural sites, engineering constraints, airports and forestland.

10
11 **Q. Please describe how the Proposed Route is selected.**

12 A. To select the Proposed Route, the Siting Team examined 30 environmental, human/built,
13 and engineering resource criteria to determine impacts for each of the three alternatives.
14 These resource criteria were based on Commission regulations, public input, resource
15 agency permitting requirements, engineering requirements and economic feasibility. GAI
16 further evaluated these factors for each alternative as applicable within three areas of
17 proximity: (1) the immediate construction ROW; (2) the area adjacent to the proposed
18 ROW that would be in view of sensitive resources; and (3) a four-mile wide corridor,
19 including the area two miles on either side of the centerline of each ROW.

20 Measurements compiled for each resource criterion data were assembled by
21 review of database software for the three alternative routes (see Section 4 in the Report).
22 In order to put resource measurements on a relative scale (acres, number, feet) and to
23 obtain an impact score that could be compared across the different alternatives, the data

1 were then mathematically proportioned to a scale of 1 to 10 (see Section 4 and Appendix
2 B in the Report). Higher scores indicate greater environmental impact; the route with the
3 highest score (worst) for individual resources receives a 10; that with the lowest score
4 (best) receives a 1. Thus, the scores are transformed to a relative scale from 1 to 10 to
5 obtain relative scores for each resource criterion. Using the relative position of the route
6 in comparison to the values for all routes provided an indication of how the route
7 compares for that resource criterion.

8 These scaled scores were then weighted according to weights established by the
9 Siting Criteria Council (SCC) for the GPU-DQE 500 kV Transmission Line Project.
10 SCC weights existed for 22 of the 30 resource criteria. The Siting Team assigned
11 weights for the remaining eight resource criteria (Land Trust Protected Area, Cemeteries,
12 Exceptional Value Streams, Landslide Prone Area, Commercial/Industrial Areas, Forest
13 Land Cleared, Non-existing ROW, and Length of ROW).

14 The scaled scores for each criterion were then multiplied by its respective weight
15 to obtain the impact scores shown in Section 4 and Appendix B of the Report. These
16 impact scores were summed to obtain an overall impact score for each alternative route.

17
18 **Q. Was public outreach part of the route selection process?**

19 A. Yes. Duquesne Light held three public open houses on February 21, 2017, February 28,
20 2017, and March 2, 2017, and invited impacted landowners, local residents and officials,
21 businesses, organizations and the general public located along the Proposed Route.
22 Duquesne Light advertised the open houses in local newspapers and utilized targeted
23 internet ads, in which it also provided an email and mailing address for the public to

1 contact Duquesne Light with any questions, comments, or concerns. During each open
2 house, multiple subject matter experts from Duquesne Light and its consultants were
3 available to explain the scope of the project, its potential impact, and the proposed
4 schedule. Duquesne Light also conducted further outreach with affected property
5 owners, as discussed in Duquesne Light Statement No. 4, the Direct Testimony of Mark
6 Hummel.

7 Furthermore, as the Report notes, various resources prepared by governmental
8 and non-governmental agencies were consulted for information on the project area,
9 including comprehensive plans, natural heritage inventories, and other publications.
10 Regulatory agencies were also contacted concerning the potential presence of rare species
11 and sensitive natural and recreational resources. The Pennsylvania Historical and
12 Museum Commission's Historic Preservation Office was consulted for information on
13 the cultural resources in the project area.

14
15 **Q. Did Duquesne Light consider local comprehensive plans and zoning ordinances in**
16 **selecting the Proposed Route for the Project?**

17 A. Yes. Preliminarily, I understand that public utility facilities, such as transmission lines
18 and substations, are generally exempt from local municipal authority. However, as
19 required by the Commission's interim siting guidelines found at 52 Pa. Code § 69.1101
20 (2)(3) and § 69.3104 (1), GAI reviewed local zoning ordinances and comprehensive land
21 use plans to evaluate the impact of the Proposed Route on municipalities. Further
22 descriptions can be found in Section 7.2 of the Report.

23

1 **III. PROPOSED ROUTE**

2 **Q. Please describe the feasible Alternative Routes identified by the Siting Team for the**
3 **Brunot Island-Crescent 138 kV Transmission Line.**

4 A. Using the siting analysis described above, the Siting Team identified three (3) suitable
5 alternative routes for the Brunot Island-Crescent 138 kV Transmission Line: Proposed
6 Route, which extends approximately 14.6 miles; Alternative 1, which extends
7 approximately 15.1 miles; and Alternative 2, which extends approximately 16.1 miles.

8 These three Alternative Routes are described in detail below.

9

10 **Proposed Route (14.6 miles)**

11 The Proposed Route exits the Brunot Island Substation to the west crossing the Ohio
12 River. It then travels west roughly paralleling Chartiers Creek for approximately two
13 miles in an undeveloped area squeezed between an industrial area to the north of
14 Chartiers Creek and residential areas to the south of Chartiers Creek. Once crossing
15 Chartiers Creek for the final time, the Proposed Route proceeds west-northwest following
16 an existing ROW through a forested area for approximately 1 mile. The Proposed Route
17 then turns north-northwest and precedes for approximately 0.5 miles. Where it crosses a
18 subdivision located between McKees Rocks Road and Clever Road and then passes into a
19 forested area that parallels Fairhaven Park. Once past Fairhaven Park the Proposed Route
20 turns northwest and continues for approximately one mile, where it crosses residential
21 areas intermingled with forested areas. The Proposed Route then crosses Interstate 79 and
22 continues for approximately a mile in a northwest direction crossing residential areas
23 intermingled with forested areas. The Proposed Route then turns north to enter and exit
24 the Montour Substation, which involves approximately 0.70 miles of combined ROW.

1 The Proposed Route then continues in a generally northwest direction for approximately
2 eight miles crossing residential areas intermingled with forested areas. In this eight mile
3 stretch the Proposed Route crosses numerous residential streets, Thorn Run Road,
4 University Boulevard, Flaugherty Run Road, Spring Run Road, and Bocktown Road
5 before entering the Crescent Substation.

6 The Proposed Route:

- 7 • Has zero miles of non-paralleling ROW;
- 8 • Would impact 73.75 acres of forest land, 18.9 acres of NWI wetland, and 20 perennial
9 streams;
- 10 • Crosses four commercial/industrial area, 102 houses, 11 apartment complexes, 47
11 roads/highways, and is adjacent to eight institutional complexes and three recreational
12 areas;
- 13 • 0.6 acres of Core RTE habitat and zero acres of Land trust protected area;
- 14 • Crosses 11.0 miles of steep terrain and 7.5 miles of landslide-prone area;
- 15 • Is in the view shed of 34 Architectural/ historic site and crosses one Archaeological site;
16 and
- 17 • Is, at its closest, two miles northeast of a runway associated with the Pittsburgh
18 International Airport, and approximately 0.6 miles of the route is within two miles of the
19 airport.

20 **Alternative Route 1 (15.1 miles)**

21 Alternative 1 exits the Brunot Island Substation to the north crossing the Ohio River and
22 enters an industrial portion of McKees Rocks. Alternative 1 roughly parallels railroad
23 ROW for approximately two miles, in a north-northwest direction. When it crosses over
24 the McKees Rocks Bridge, Alternative 1 leaves the railroad ROW and crosses over Route
25 51. The route then roughly parallels Route 51 on a largely forested hill slope for 2.3
26 miles. Alternative 1 then crosses Interstate 79 and turns to the south for approximately
27 0.70 miles before turning northwest for 0.6 miles to enter the Montour Substation.

1 Between Interstate 79 and the Montour Substation, Alternative 1 passes through forested
2 areas. Alternative 1 leaves the Montour Substation in a westward direction passing
3 through forested area for approximately 1.4 miles. At this point, Alternative 1 meets and
4 overlaps the Proposed Route and utilizes existing ROW. Alternative 1 continues along
5 the existing ROW to the northwest for approximately 1.2 miles. Alternative 1 then
6 deviates to the west passing through forested area for approximately 1.5 miles and
7 crossing Thorn Run Road. Alternative 1 then turns north staying in forested area and
8 continues for approximately 1.6 miles. Alternative 1 then crosses Route 51 and turns to
9 the northwest where it continues for approximately three miles passing through mostly
10 forested areas with some residential and industrial areas before it enters the Crescent
11 Substation.

12 Alternative 1:

- 13 • Has 12.8 miles of non-paralleling ROW;
- 14 • Would impact 200.7 acres of forest land 4.4 acres of NWI wetland, and 22 perennial
15 streams;
- 16 • Crosses nine commercial/industrial area, 24 houses, one apartment complex, 33
17 roads/highways, and is adjacent to six institutional complexes and one recreational
18 area;
- 19 • 2.81 acres of Core RTE habitat and 0.1 acres of Land trust protected area;
- 20 • Crosses 11.2 miles of steep terrain and 9.4 miles of landslide-prone area;
- 21 • Is in the view shed of 37 Architectural/ historic site and crosses three Archaeological
22 sites; and
- 23 • Is at its closest, 1.7 miles northeast of the Pittsburgh International Airport, and
24 approximately 2.7 miles of the route is located within two miles of the airport.

25

26

1 **Alternative Route 2 (16.1 miles)**

2 Alternative 2 exits the Brunot Island Substation to the north crossing the Ohio River and
3 enters an industrial portion of McKees Rocks. Alternative 2 roughly parallels railroad
4 ROW for approximately 3.8 miles, in a north-northwest direction. When it crosses over
5 the McKees Rocks Bridge, Alternative 2 leaves the railroad ROW, making several
6 deviations to the south and west, crossing over Route 51 and Interstate 79, and staying
7 within largely forested areas before entering the Montour Substation. Alternative 2
8 leaves the Montour Substation in a western direction and is located in a forested area
9 while it skirts a large residential area for approximately three miles. Once past the
10 residential area, Alternative 2 turns north for approximately 0.7 miles, and then turns
11 northwest for approximately 1.4 miles, crossing over Thorn Run Road, and staying in
12 forested areas. Alternative 2 then turns north for approximately 1.6 miles, where it is
13 located in forested area that is situated between two residential areas. Alternative 2 then
14 turns to the west and continues for approximately one mile through forested area before
15 meeting the Proposed Route. Alternative 2 then turns northwest and continues along
16 existing ROW for approximately 0.5 miles before diverging to the north-northwest to
17 avoid several residential areas. Alternative 2 continues to the north-northwest for
18 approximately 1.6 miles before entering the Crescent Substation.

19 Alternative 2:

- 20 • Has 15.0 miles of non-paralleling ROW;
- 21 • Would impact 230 acres of forest land, 4.5 acres of NWI wetland, and 22 perennial
22 streams;
- 23 • Crosses six commercial/industrial area, eight houses, one apartment complex, 25
24 roads/highways, and is adjacent to six institutional complexes and three recreational
25 areas;

- 1 • 3.2 acres of Core RTE habitat and 1.3 acres of Land trust protected area;
- 2 • Crosses 12.6 miles of steep terrain and 9.6 miles of landslide-prone area;
- 3 • Is in the view shed of 34 Architectural/ historic site and crosses one Archaeological
- 4 site; and
- 5 • Is at its closest, Is at its closest, 1.4 miles east of the airport, and approximately four
- 6 miles of the route is located within two miles of the airport.

7

8 **Q. What route was selected for the Brunot Island-Crescent 138 kV Transmission Line?**

9 A. Based on a qualitative and quantitative review of information obtained from GIS data,
10 field reconnaissance, agency consultation and public outreach as well as engineering
11 considerations for the Project, the Siting Team selected the the Proposed Route.

12

13 **Q. Please explain why the Proposed Route was selected for Brunot Island-Crescent 138**
14 **kV Transmission Line.**

15 A. The Siting Team evaluated the feasible alternatives and selected the overall best route
16 that, on balance, minimizes the impact to the natural and human environments, avoids
17 unreasonable and circuitous routes, and avoids non-standard design requirements. The
18 Proposed Route is the shortest and required the least new ROW. The Proposed Route
19 also had the least impacts from a human/built and engineering perspective. From an
20 overall environmental perspective, all of the alternatives had some impacts to most of the
21 criteria examined. The Proposed Route crosses the most human/built resources, as it has
22 the most road crossings, crosses the most residential structures, and crosses the most
23 institutional complexes. However, the Proposed Route will cross these human/built
24 resources within existing ROW and no new long-term impacts are anticipated.
25 Additionally, the Proposed Route crosses the least commercial/industrial areas. The

1 Proposed Route is the best alternative from an engineering perspective, as it crosses the
2 least steep terrain and landslide-prone areas, and is the farthest from the Pittsburgh
3 International Airport. The Proposed Route is the best alternative from an environmental
4 resources perspective. It has the least impact to most of the environmental resources
5 including forest land cleared, core RTE habitat, land trust protected areas, and perennial
6 streams crossed, but has the has some of the higher impact to other criteria such as
7 wetlands crossed and recreational areas. The Proposed Route is the second best
8 alternative from a cultural resources perspective. It has the second most historical sites
9 within its views shed and tied for the least archaeological sites crossed.

10
11 **IV. COMPLIANCE WITH POTENTIAL PERMIT AND MITIGATION**
12 **REQUIREMENTS**

13 **Q. Please summarize Duquesne Light's efforts to minimize the anticipated impacts and**
14 **potential permit and mitigation requirements of the proposed Project.**

15 A. Efforts were made during the siting process to minimize impacts on existing and future
16 land uses, as well as avoid sensitive natural resources such as wetlands and streams.
17 Where potential impacts are unavoidable, Duquesne Light will obtain any necessary
18 permits and comply with the best management practices laid out within during
19 construction. Best management practices may include fencing sensitive resources to
20 protect them during construction, use of timber matting equipment for crossings of
21 streams and wetlands, and utilizing erosion and sedimentation controls.

22 As part of the permitting process, any required waterway, wetland, or floodplain
23 encroachment permits will be obtained from the applicable jurisdictional state and federal
24 agencies prior to construction and Duquesne Light will comply with all special conditions

1 placed on the permits. In addition, to address water quality standards within watersheds
2 along the Project corridor, Duquesne Light will comply with the regulations of the
3 National Pollutant Discharge and Elimination System permit program, obtain the
4 required soil erosion and sedimentation control permits, and follow the specified
5 conditions required for the permit.

6 A detailed discussion of Duquesne Light's efforts to minimize the anticipated
7 impacts and potential permit and mitigation requirements of the proposed Project is
8 provided in Section 5 to the Report, including potential impacts to: land use; natural
9 features; rare, threatened, and endangered species; cultural resources; community features
10 and conserved lands; and agency requirements and permits.

11
12 **Q. Does this conclude your testimony at this time?**

13 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
14 course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-3008589
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008652
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island-** :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 2-R

Written Rebuttal Testimony of

Aimee Kay

**Topics Addressed: Route Selection
Alternative Route Evaluation**



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Aimee Kay. My business address is 385 E. Waterfront Drive, Homestead,
4 PA 15120.

5
6 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light
7 Company (“Duquesne Light”)?**

8 A. Yes. On March 15, 2019, I submitted my direct testimony, Duquesne Light Statement
9 No. 2.

10

11 **Q. What is the purpose of your rebuttal testimony?**

12 A. My testimony responds to certain concerns raised by several of the Protestants in their
13 oral testimony at the September 10, 2019 lay witness hearing. Specifically, I respond to
14 the Protestants’ concerns regarding: (1) Route Selection of the Brunot Island-Crescent
15 138kV transmission line and the Siting Study; and (2) the criteria used by Duquesne
16 Light and GAI to analyze and compare the Alternative Routes detailed in the Siting Study
17 and my direct testimony.

18

19 **Q. How is the remainder of your rebuttal testimony organized?**

20 A. Section II of my rebuttal testimony summarizes and responds to the Protestants’ concerns
21 regarding Route Selection of the Brunot Island-Crescent 138kV transmission line and the
22 Siting Study. In addition, Section II responds to any alternatives proposed by the
23 Protestants. As a general matter, each alternative route proposed by the Protestants
24 would require acquisition of new ROW which would result in higher environmental,

1 socioeconomic, and cultural impacts. Section III responds to certain of the Protestants'
2 assertions regarding the criteria used in the Siting Study.

3
4 **II. ROUTE SELECTION AND SITING STUDY**

5 **Q. Did you explain in your direct testimony, the methodology used to evaluate possible**
6 **routes and ultimately select the Proposed Route?**

7 A. Yes. As a part of that process, the Siting Team evaluated the feasible alternatives and
8 selected the overall best route that, on balance, minimizes the impact to the natural and
9 human environments, avoids unreasonable and circuitous routes, and avoids non-standard
10 design requirements.

11
12 **Q. Please summarize the characteristics of the Proposed Route.**

13 A. The Proposed Route is the shortest and required the least new ROW and has the least
14 impacts from an environmental, human/built, cultural, and engineering perspective.

15
16 **Q. Does this mean that the Proposed Route will have no impact on the criteria**
17 **examined by the Siting Team?**

18 A. No. It is important to recognize that, like any construction project, all of the alternatives
19 had some impacts to most of the criteria examined from an overall environmental
20 perspective. As I noted in my direct testimony, the Proposed Route crosses the most
21 human/built resources, as it has the most road crossings, is in close proximity to the most
22 residential structures and institutional complexes. Importantly, however, the Proposed
23 Route will cross these human/built resources within existing ROW. Meaning that

1 impacts will be temporary during construction, and any new permanent impacts will be
2 minimized.

3
4 **Q. Why is it important to recognize that the Proposed Route’s effects on human/built
5 resources are within existing ROW?**

6 A. It is important because, where human/built resources would ostensibly be impacted by
7 the Proposed Route, those resources are impacted by existing transmission facilities
8 today.

9
10 **Q. What do these existing impacts mean relative to the impacts anticipated for each of
11 the routes analyzed by the Siting Study?**

12 A. The Proposed Route is the shortest and largely uses existing ROW. Much of the impact
13 scores attributable to impacts on human/built resources in the Siting Study are within or
14 along existing transmission line ROW and, therefore, those resources will be impacted in
15 a similar fashion as they are by the transmission line facility that is there today. The
16 impact scores attributable to impacts on human/built resources for each of the
17 Alternatives Routes, however, are new impacts on those resources as each of these routes
18 would require significantly new ROW to be acquired and constructed upon. The
19 environmental impacts for construction on non-existing ROW are also much higher than
20 those associated with construction on existing ROW. More specifically, impacts to the
21 existing ROW will produce temporary and secondary impacts during construction that
22 include noise and other construction-related disturbances, including vehicular traffic. The

1 most substantial land use effects associated with construction of the proposed line include
2 a reduction in woodland and visual effects in residential areas.

3 As explained below, the specific concerns and criticisms lodged by the Protestants
4 fail to recognize this fact. Ultimately, their proposals and claims would unreasonably
5 shift the impacts of the Project onto land that is not currently impacted by existing
6 transmission facilities.

7
8 **Q. Do any of the Protestants criticize the Proposed Route?**

9 A. Yes, several of the Protestants raised concerns regarding the Proposed Route for the BI-
10 Crescent Project. I address each of the Protestants' claims below.

11
12 **Q. Did Mrs. Crowe testify regarding the selection of Proposed Route and/or the Siting
13 Study?**

14 A. Mrs. Crowe states that the Proposed Route traverse her property at 1123 Juanita Drive,
15 and that the proposed location of facilities will involve the clearing of "numerous mature
16 trees." (Tr. 126) While Mrs. Crowe does not propose an alternative route, it appears that
17 she has alleged the Project will impact her property.

18
19 **Q. Please respond to Mrs. Crowe's testimony regarding the Proposed Route.**

20 A. As an initial matter, I note that Mrs. Crowe testified regarding two properties: (1) the
21 property located at 306 Konter Road, which is the property at which Mrs. Adams resides;
22 and (2) the property at 1123 Juanita Drive, which is the property at which Mrs. Crowe
23 resides. As explained with respect to Mrs. Adams' testimony, no transmission facilities

1 are currently located upon or planned to be located upon or cross the property located at
2 306 Konter Road.

3 With regard to Mrs. Crowe's testimony regarding impacts to 1123 Juanita Drive,
4 the analysis accounts for forest land cleared and includes this information in the overall
5 score. While the siting study does explain that the most substantial land use effects
6 associated with construction of the proposed line include a reduction in woodland and
7 visual effects in residential areas, the overall score for the Proposed Route remains the
8 lowest after accounting for these effects.

9
10 **Q. Did Mr. Gable testify regarding the selection of Proposed Route and/or the Siting**
11 **Study?**

12 A. Mr. Gable raises three concerns. First, Mr. Gable asserts that the electromagnetic field
13 from Proposed Route will impact a picnic pavilion located on his property at 304 Konter
14 Road. (Tr. 140-141) He further asserts that the electromagnetic field will cause
15 numerous health concerns. (Tr. 141) Second, Mr. Gable asserts that the Proposed Route
16 will impact residential homes. (See Tr. 142-143 (referencing Exhibits Gable 1 through
17 3)) Third, Mr. Gable asserts that under the Pennsylvania Constitution the public is
18 entitled to clean air, and a clean environment and that the Proposed Route will impact
19 these rights. (Tr. 145) I understand that Duquesne Light witness Meenah Shyu
20 (Duquesne Light St. 3-R) responds to the Protestants' claims regarding electromagnetic
21 fields.

22
23 **Q. Please respond to Mr. Gable's testimony regarding the Proposed Route.**

1 A. With regard to impacts to residential homes, the siting criteria did evaluate this resource
2 for all proposed routes. “Residential Areas” as a specific environmental resource is given
3 the highest weight in calculating the overall impact score. Because Mr. Gable’s property
4 includes the existing ROW, impacts from the Proposed Route are expected to be similar
5 to the impacts by the existing transmission facilities located on Mr. Gable’s property
6 today.

7
8 **Q. Mr. Gable proposed, as an alternative route, that Duquesne Light proceed “along**
9 **the river” with an underground transmission line. (Tr. 145) Should Mr. Gable’s**
10 **alternative route be adopted?**

11 A. No. Constructing a transmission line along the river would be problematic as there
12 would be considerable conflicts with existing railroad and transportation infrastructure
13 and numerous industrial developments are located along the river in McKees Rocks,
14 additionally installing an underground transmission line can cost between five and ten
15 times as much per mile as installing an overhead line, furthermore underground
16 transmission lines have a shorter life expectancy and are more difficult with higher costs
17 to repair when needed.

18
19 **Q. Did Mrs. Marinkovic testify regarding the selection of Proposed Route and/or the**
20 **Siting Study?**

21 A. Mr. Marinkovic asserts that “the PUC should consider having Duquesne Light take an
22 alternate route, which they have two that are available to them.” (Tr. 153)

23

1 **Q. Please respond to Mrs. Marinkovic’s testimony regarding the Proposed Route.**

2 A. As an initial matter, I note that Duquesne Light witness Lesley Gannon (Duquesne Light
3 St. 4-R) explains that no transmission facilities traverse the property located at 205 Purdy
4 Road today, and no facilities are planned to traverse that property as a part of the BI-
5 Crescent Project. Similarly, Alternative 1 and 2 would not have facilities located on the
6 205 Purdy Road address location. I also note that 205 Purdy Road property is located
7 outside of the study area for the Proposed Route. Any impacts from the Proposed Route
8 are expected to be similar to the impacts by the existing transmission facilities located
9 near, but not on, Mrs. Marinkovic’s property today.

10

11 **Q. Mrs. Marinkovic proposed that either Alternate Route 1 or Alternate Route 2 for**
12 **the Project should be adopted. (Tr. 153) Should Mrs. Marinkovic’s proposal be**
13 **adopted?**

14 A. No.

15

16 **Q. Please explain.**

17 A. For either Alternative Route 1 or 2, all new ROW would need to be obtained and new
18 impacts would be associated with both routes compared to the Proposed Alternative that
19 is located within existing ROW. Furthermore, both Alternative Routes 1 and 2 are longer
20 than the Proposed Route, thereby further increasing the overall impact to resources in the
21 region.

22

1 **Q. Did Mrs. Wilson testify regarding the selection of Proposed Route and/or the Siting**
2 **Study?**

3 A. While Mrs. Wilson does not specifically contest the Proposed Route or propose an
4 alternative, she does allege that Duquesne Light should be required to obtain a 150-foot
5 wide easement for the Project. (Tr. 168)

6
7 **Q. Please respond to Mrs. Wilson's testimony regarding the Proposed Route.**

8 A. Duquesne Light witnesses John C. Hildebrand II. (Duquesne Light St. 5-R) and Meenah
9 Shyu (Duquesne Light St. 3-R) address the safety concerns raised by Mrs. Wilson, and
10 Mrs. Gannon addresses whether Duquesne Light has obtained a sufficient easement
11 across the Wilson property. However, at the time of the siting study the size of the
12 required easement was not known. In order to obtain the overall impact score for all the
13 alternatives a 200-foot wide corridor was used for analysis and calculation purposes. If
14 the corridor used in the analysis was reduced for the Proposed Route, it would reduce the
15 potential impacts, and improve the overall impact score for the Proposed Route.

16
17 **Q. Did Mr. Zona testify regarding the selection of Proposed Route and/or the Siting**

18 **Study?**

19 A. Mr. Zona raised several concerns regarding the Proposed Route and the Siting Study.
20 Mr. Zona asserts that the proposed increase in structure height will create new visual
21 impacts. (Tr. 174-175) Mr. Zona specifically contests that conclusion on page 51 of the
22 Siting Study. (Tr. 176-177) Relatedly, Mr. Zona asserts that the Siting Study only

1 examines impacts on 100-feet on either side of the Proposed Route for residential impacts
2 and that this is unreasonable. (Tr. 183)

3 Mr. Zona also asserts that the specific criteria used to evaluate the Proposed
4 Route, Alternate Route 1 and Alternate Route 2. (Tr. 181-184) I note I will respond to
5 Mr. Zona's specific criticisms regarding the selection of impact criteria and calculation of
6 impact scores for each of the routes analyzed in the Siting Study in Section III, below.

7
8 **Q. Please respond to Mr. Zona testimony regarding the Proposed Route.**

9 A. Impacts from the Proposed Route are expected to be similar to the impacts by the existing
10 transmission facilities located near Mr. Zona's property today. While the single pole
11 transmission line structures will increase in height, and the new height may be more
12 observable from some locations, it could be argued that the removal of the wider, lattice-
13 tower structures of the existing transmission line would reduce visual impacts from other
14 locations.

15 In addition, residences within 100 feet of the centerline (*i.e.* a 200-foot wide
16 corridor) were used in the calculation of the Overall Impact Score. Importantly, however,
17 Mr. Zona is incorrect that the Siting Study only analyzed resource impacts within 100
18 feet of the centerline. While, the majority of the resource impacts used in the calculation
19 of the Overall Impact Scores were computed from within 100 feet of the centerline,
20 resources with an intrinsic visual value such as parks, cemeteries, churches, and schools,
21 which were computed from within 1000 feet of the centerline (*i.e.* a 2000-foot wide
22 corridor).

1 **III. CRITERIA USED TO EVALUATE ALTERNATIVE ROUTES**

2 **Q. You noted above that Mr. Zona criticized the criteria used to evaluate the Propose**
3 **Route and the Alternative Routes in the Siting Study and your calculation of the**
4 **impact score for each respective route. What were Mr. Zona’s specific criticisms?**

5 A. Mr. Zona contested the SCC criteria and additional criteria used in the Siting Study to
6 evaluate the routes considered, and argued that these criteria were biased in favor of the
7 Proposed Route. (Tr. 181-182; *see also* Exhibit Zona 4) Mr. Zona further asserted that
8 the selection and weighting of the criteria used in the Siting Study and the underlying raw
9 data is “arbitrary.” (*See* Exhibit Zona 4) Finally, Mr. Zona asserts that the Siting Study
10 is based on “unreasonable assumptions. (*See* Exhibit Zona 4)

11
12 **Q. What is your experience evaluating and analyzing the environmental impacts of**
13 **transmission facilities?**

14 A. I have a Master of Science in Urban and Regional Planning and have been with GAI for
15 nine (9) and a half years. For the past 34 years I have worked in the environmental
16 planning field and in my present capacity am responsible for the management of
17 environmental impact studies, ecological, socioeconomic, archaeological, land-use
18 planning, and cultural resource studies, facilities siting studies, and interpretation and
19 application of governmental regulations and procedures relating to facilities permitting. I
20 work within GAI’s Environmental Power Delivery Group and have managed utility
21 transmission (electric and gas) siting projects since 2010.

22
23 **Q. What are the “SCC” criteria Mr. Zona identifies in Exhibit Zona-4?**

1 A. By way of background, the Siting Criteria Council (*i.e.* the “SCC”) consisted of a group
2 of individuals from the general public representing diverse backgrounds and interests.
3 The purpose of the SCC was to assign a **criterion weight** to all individual Resource
4 Criteria because not all of the criteria are equally important as perceived by the public.
5 The SCC’s Resource Criteria weights were used in the calculation of the Overall Impact
6 score because they specifically were developed to eliminate bias by incorporating the
7 Nominal Group Technique (NGT), which is a structured decision-making technique. The
8 resource evaluation criteria used in the Siting Study to evaluate potential routes were
9 evaluated for all three proposed routes. As such, Mr. Zona mistakenly refers to the SCC
10 as “criteria”; there are only SCC Criteria **weights**.

11 In addition, the 30 resource criteria used in the Siting Study are based on PAPUC
12 regulations, permitting requirements, government protected resources, resources that
13 could be problematic in the construction or maintenance of a transmission line, and
14 resources that the public may value. The 30 resource criteria used in the evaluation to
15 select the preferred alternative are described in Section 3.2 of Attachment 3 to the BI-
16 Crescent Application.

17
18 **Q. How did the SCC develop these criteria weights?**

19 A. In order to determine the most suitable alternative for a project, the relative scores for
20 each criterion for each alternative need to be totaled. The SCC was created for the GPU-
21 DQE 500 kV Transmission Line siting that included over 500 miles of line and a study
22 area of 20,000 square miles. The purpose of the SCC was to aid in the selection of the

1 natural and manmade resource criteria that would be used to evaluate impacts along
2 alternative routes. In addition, the SCC was asked to weigh these resource criteria.

3 As a part of this process, the SCC was given an overview of the siting and route
4 evaluation process. Then, the SCC assisted in the selection and definition of Resource
5 Evaluation Criteria. Finally, the SCC assigned weights to the Resource Evaluation
6 Criteria, using a nominal group technique that encourages contributions from all
7 members.

8 The weighting session consisted of four interactive rounds of discussion and
9 weighting. Each member was asked to weigh each Resource Evaluation Criteria. After
10 each round of weighting, each SCC member was given a weighting summary sheet that
11 displayed their last vote and the mean for all the votes for each Resource Evaluation
12 Criteria. Each member was given the opportunity during each round of voting to express
13 their views on the weighting scores in an attempt to influence the next round of voting.
14 At the conclusion of round four the SCC was satisfied with the results and voted to adopt
15 the mean weights for each of the Resource Evaluation Criteria when routing decisions
16 needed to be made and choices had to be made as to which resources were to be
17 impacted. The weights established by the SCC are considered an industry standard.

18
19 **Q. How were the SCC criteria weights used in the Siting Study?**

20 A. SCC weights were used for 22 of the 30 resource criteria. GAI further augmented these
21 with an additional eight resource criteria (Land Trust Protected Area, Cemeteries,
22 Exceptional Value Streams, Landslide Prone Area, Commercial/Industrial Areas, Forest

1 Land Cleared, Non-existing ROW, and Length of ROW) to reflect items of local
2 significance and current regulatory concerns.

3
4 **Q. How were the criteria weights for these additional criteria established?**

5 A. Weights for these eight resources were assigned by a group of environmental, planning
6 and engineering professionals at GAI that have extensive experience siting and
7 evaluating the impacts of projects in similar areas. The weights were determined by
8 considering the relative importance of these resources and the weights assigned to related
9 resources by the SCC. The weights used for the evaluation of the alternatives are shown
10 in Table 4.0 of Attachment 3 to the BI-Crescent Application.

11
12 **Q. Mr. Zona argues that the SCC criteria were developed in relation to a 512 kV**
13 **project and, therefore, should not be used to evaluate this Project. Please respond**
14 **to this argument.**

15 A. The SCC Weights are based upon the sensitivity and frequency of the resources
16 potentially affected by the construction and operation of the Project. The resources and
17 their sensitivity are not related to the voltage of the Project. And, as noted above, the
18 weights established by the SCC are considered an industry standard for evaluating
19 transmission line projects.

20
21 **Q. Mr. Zona further argues that GAI “arbitrarily” added criteria, in addition to the**
22 **SCC criteria, to its analysis. What additional criteria did GAI include?**

1 A. As noted above, the eight resource criteria that were added (Land Trust Protected Area,
2 Cemeteries, Exceptional Value Streams, Landslide Prone Area, Commercial/Industrial
3 Areas, Forest Land Cleared, Non-existing ROW, and Length of ROW).

4

5 **Q. Why did GAI include these additional criteria?**

6 A. As noted above, all of the criteria were added because they reflect local significance and
7 current regulatory concerns.

8 The Landslide Prone area criterion was specifically included because soil stability
9 is a key factor for locating transmission lines. New data became available in Allegheny
10 County to help identify the potential for slope failure. This enables engineering analysis
11 to be considered to either avoid those areas or find solutions for tower placement and
12 construction.

13 Cemeteries were added as they are often protected under the State Historic
14 Preservation Office.

15 Land Trust Protected Areas were added as a criterion since these areas are
16 protected by the state or county and often have use restrictions associated with them.

17 Exceptional Value Streams are regulated by the Pennsylvania Department of
18 Environmental Protection, who require a stringent review process, and impact to them
19 should be avoided or minimized.

20 Commercial/Industrial Areas were added as a criterion as they are relevant to the
21 region and often have conflicts with transmission lines.

1 Forest Land Cleared was added as a criterion due to its general impact on the
2 environment and its impact to the federally and state listed endangered Indiana Bat and
3 Northern Long-eared Bat.

4 Non-existing ROW and Length of ROW were included as criteria as they have a
5 direct bearing on the number of accumulated impacts and overall cost of the Project.
6

7 **Q. Mr. Zona argues that if the GAI criteria are removed from the evaluation**
8 **conducted in the Siting Study, that the Proposed Route will have greater impacts**
9 **than Alternative Route 1. Please respond.**

10 A. Mr. Zona's argument should be rejected. Removal of relevant criteria would disregard
11 impacts to the applicable resources, and disregard potential construction hazards.
12

13 **Q. Is Mr. Zona's proposal to evaluate the Proposed Route, Alternative Route 1 and**
14 **Alternative Route 2 based solely on the SCC criteria reasonable or appropriate?**

15 A. While the SCC Criteria Weights are relevant for those applicable resources that occur
16 within the potential area affected by the Project, the evaluation of additional criteria is to
17 respond to the changing regulatory and ecological science regimes we work within.
18 Thus, relevant criteria are added, deleted, and weighted by the experienced profession
19 staff conducting the evaluations.
20

21 **Q. Mr. Zona further argues that the selection of the SCC and GAI criteria is arbitrary.**
22 **Why is the use of these criteria reasonable and appropriate to measure the impact of**
23 **the route?**

1 A. The SCC criteria weights are not arbitrary. Rather, they were developed by individuals
2 representing diverse backgrounds and interests (as noted above), which included
3 professors of ecology and history, city, county and regional planners, a school
4 superintendent, a member of the League of Women Voters, farmers, a business woman, a
5 health professional, a conservation organization member, and an employee of a business
6 association. The SCC is the closest representation of current societal values we have
7 assembled for the Western Pennsylvania Region. For each successive study, these
8 weights are reviewed by a group of environmental, cultural and design professionals for
9 their relevance in light of the resources potentially affected.

10 Furthermore, the additional criteria review by GAI were selected by experienced
11 industry professionals based upon their understanding to respond to the changing
12 regulatory and ecological science regimes they work within.

13

14

15 **Q. In your experience developing studies to analyze the environmental impacts of**
16 **transmission line projects, is this method of selecting the criteria evaluated**
17 **consistent with wide-spread and accepted practices in the industry?**

18 A. Yes. The procedures used in this Project Siting Study have been the Standard of Practice
19 for PAPUC High Voltage Transmission Line Siting for the past 25 years.

20

21 **Q. In addition, Mr. Zona asserts that the weight supplied to criteria is arbitrary. How**
22 **were these weights calculated?**

1 A. The rigorous process (explained above) that was used to develop the SCC criteria
2 weights is not arbitrary. The weights established by the SCC are considered an industry
3 standard.

4

5 **Q. In your experience developing studies to analyze the environmental impacts of**
6 **transmission line projects, is this method of weighting the criteria evaluated**
7 **consistent with wide-spread and accepted practices in the industry?**

8 A. Yes. The procedures used in this Project Siting Study have been the Standard of Practice
9 for PAPUC High Voltage Transmission Line Siting for the past 25 years. Overall, the
10 goals of the siting study were to select a reasonable route for the BI-Crescent Project and
11 establish alternative routes for evaluation that are environmentally sound, feasible from
12 an engineering and economic perspective, and compliant with applicable regulations.
13 Moreover, the weighting criteria were used because they specifically were developed to
14 eliminate bias and enable the siting team to evaluate routes objectively. This is consistent
15 with wide-spread and accepted practices in the industry.

16

17 **Q. Does Mr. Zona propose a different method for weighing these criteria?**

18 A. No, he does not.

19

20 **Q. Does Mr. Zona propose different weights for any of the criteria used?**

21 A. No, he does not.

22

1 **Q. Mr. Zona also argues that the “raw data” used by GAI to calculate the impact**
2 **scores is arbitrary. Please respond.**

3 A. The 30 resources were quantified by the following parameters: linear distance adjacent
4 (miles), number within a specified distance, acres impacted within the ROW, and linear
5 distance within two miles for the Airport impact calculation. Geographic Information
6 Systems (GIS) Software, and a publicly available data were used for the identification
7 and calculations of the raw data.

8

9 **Q. In your experience developing studies to analyze the environmental impacts of**
10 **transmission line projects, is this method of collecting and compiling of raw data**
11 **used to analyze these criteria consistent with wide-spread and accepted practices in**
12 **the industry?**

13 A. Yes. GIS Software, and a publicly available data were used for the identification and
14 calculations of the raw data. Publicly available data was obtained from local, state and
15 federal government databases, recent aerial imagery was reviewed, and limited ground
16 truthing of the data was conducted from public roadways. This is the standard industry
17 practice for obtaining raw data for a siting study.

18

19 **Q. Does Mr. Zona propose a different method for collecting and compiling this raw**
20 **data?**

21 A. No, he does not.

22

23 **Q. Does Mr. Zona propose different values for any of the raw data used by GAI?**

1 A. No, he does not.

2

3 **Q. Finally, in Exhibit Zona-4, Mr. Zona states that the Siting Study is unreliable**
4 **because it makes unreasonable assumptions, and provides an alleged example.**
5 **Please respond.**

6 A. Mr. Zona claims that the statement in the siting study “Since Proposed Route is proposed
7 to utilize existing ROW no new visual impact is anticipated” is an unreasonable
8 assumption. However, consideration should be given to the fact that the replacement of
9 an existing structure with a new structure does not pose a new visual impact just a
10 different visual impact, as the existing structure already creates a visual impact.

11

12 **Q. In your experience developing studies to analyze the environmental impacts of**
13 **transmission line projects, are the assumptions made in the Siting Study consistent**
14 **with wide-spread and accepted practices in the industry?**

15 A. Yes. The procedures and assumptions used in this Project Siting Study have been the
16 Standard of Practice for PAPUC High Voltage Transmission Line Siting for the past 25
17 years.

18

19 **Q. Do the assumptions in the Siting Study support Mr. Zona’s argument that the**
20 **impact criteria are unreliable by association?**

21 A. No. While, Mr. Zona claims that the statement in the siting study “Since [the] Proposed
22 Route is proposed to utilize existing ROW no new visual impact is anticipated” is an
23 unreasonable assumption, this statement has no bearing on the selection of the criteria

1 used in the siting study. Visual impact is a secondary effect that was accounted for in
2 many of the criteria used in the siting study, including recreational areas, cemeteries and
3 historic sites, scenic areas, residential areas, and institutional areas. All these criteria,
4 along with the associated visual impacts, were tabulated and used in the Overall Impact
5 Score calculation for the Proposed Route and both alternatives.
6

7 **Q. Mr. Zona also argues that the Siting Study does not properly tabulate the scores for**
8 **each of the routes analyzed. (Tr. 182) Please respond.**

9 A. To quantitatively analyze the three routes, the resource categories were converted to a
10 relative scale, weighted and combined to produce a final impact score of each route.

11 In order to put resource measurements on a relative scale (e.g., acres, number,
12 feet) and to obtain an impact score that could be compared across the different
13 alternatives, the data were mathematically proportioned to a scale of 1 to 10. In this
14 procedure, the alternative with the highest value (worst) for individual resources receives
15 a relative score of 10; that with the lowest value (best) receives a relative score of 1.
16 (Note: If all three alternatives have an impact value of zero for a specific resource
17 criterion, then the weighted value is equal to zero). Thus, the raw data values are
18 transformed to a relative scale from 1 to 10 to obtain Relative Scores for each Resource
19 Evaluation Criterion impacted. Using the relative position of the alternative in
20 comparison to the values for all alternatives provided an indication of how the alternative
21 compares overall. The Relative Score was then multiplied by the Criteria Weight to
22 obtain the Impact Score for each Resource Evaluation Criterion.
23

1 **Q. In your experience analyzing the environmental impacts of transmission line**
2 **projects, do other environmental consultants regularly rely upon such analyses in**
3 **reaching their conclusions?**

4 A. Yes.

5
6 **IV. CONCLUSION**

7 **Q. Please summarize the conclusions you reached in your rebuttal testimony.**

8 A. Based on the analysis presented in the siting study, the Siting Team evaluated the feasible
9 alternatives and selected the overall best route that, on balance, minimizes the impact to
10 the natural and human environments, avoids unreasonable and circuitous routes, and
11 avoids non-standard design requirements.

12
13 **Q. In your expert opinion, has Duquesne Light reasonably endeavored to minimize the**
14 **anticipated impacts and comply with potential permit and mitigation requirements**
15 **associated with the proposed Project?**

16 A. Yes. Efforts were made during the siting process to minimize impacts on existing and
17 future land uses, as well as avoid sensitive natural resources such as wetlands and
18 streams. Where potential impacts are unavoidable, Duquesne Light will obtain any
19 necessary permits and comply with the best management practices laid out within during
20 construction. Best management practices may include fencing sensitive resources to
21 protect them during construction, use of timber matting equipment for crossings of
22 streams and wetlands, and utilizing erosion and sedimentation controls.

23 As part of the permitting process, any required waterway, wetland, or floodplain
24 encroachment permits will be obtained from the applicable jurisdictional state and federal

1 agencies prior to construction and Duquesne Light will comply with all special conditions
2 placed on the permits. In addition, to address water quality standards within watersheds
3 along the Project corridor, Duquesne Light will comply with the regulations of the
4 National Pollutant Discharge and Elimination System permit program, obtain the
5 required soil erosion and sedimentation control permits, and follow the specified
6 conditions required for the permit.

7 Finally, a detailed discussion of Duquesne Light's efforts to minimize the
8 anticipated impacts and potential permit and mitigation requirements of the proposed
9 Project is provided in Section 5 of Attachment 3 to the BI-Crescent Application,
10 including potential impacts to: land use; natural features; rare, threatened, and
11 endangered species; cultural resources; community features and conserved lands; and
12 agency requirements and permits.

13 Taking all of the above into consideration, the Proposed Route represents the
14 most reasonable route of the alternatives considered in the Siting Study and should be
15 adopted.

16
17 **Q. Does this conclude your testimony at this time?**

18 **A.** Yes. I reserve the right to supplement my testimony as additional issues arise during the
19 course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter G, : Docket No. A-2019-3008589
for Approval of the Siting and Construction of the : Docket No. A-2019-3008652
138 kV Transmission Lines Associated with the :
Brunot Island-Crescent Project in the City of :
Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :
:

Duquesne Light Company

Statement No. 2-A

Written Amended Direct Testimony of

Aimee Kay

**Topics Addressed: Summary of the Siting Study
Selection of the Proposed Routes for the Amended
Project**



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Aimee Kay. My business address is 385 E. Waterfront Drive, Homestead, PA
4 15120.

5
6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by GAI Consultants, Inc. and currently serve as an Environmental Manager
8 in the Power Delivery – Environmental Services Market Sector.

9
10 **Q. What are your principal responsibilities in this position?**

11 A. I am responsible for managing and coordinating studies for the siting, environmental
12 assessment, permitting/licensing, and reports of high voltage electric transmission lines.

13
14 **Q. Please provide a summary of your education and professional work experience.**

15 A. I have been providing environmental consulting services for over 28 years and have been
16 with GAI for over ten years. In my present capacity, I am responsible for (1) the
17 management of environmental impact studies, (2) ecological, archaeological, land-use
18 planning, and cultural resource studies, (3) facility siting studies, and (4) interpretation and
19 application of government regulations and procedures relating to facility permitting. I have
20 managed multiple utility transmission and substation (electric and gas) projects since
21 joining GAI, along with numerous utility projects since 1990 while at previous
22 employments. I earned a Bachelor of Arts Degree in Environmental Studies from Edinboro
23 University in 1986 and a Master of Science in Urban and Regional Planning from Eastern
24 Michigan University in 2007.

1 **Q. Have you previously provided testimony in this matter?**

2 A. Yes, on March 15, 2019, I submitted Direct Testimony (“Duquesne Light Statement No.
3 2”), and on October 10, 2019, I submitted Rebuttal Testimony (“Duquesne Light Statement
4 No. 2-R”).

5
6 **Q. What is the purpose of your amended direct testimony in this proceeding?**

7 A. My testimony provides a summary of the Route Selection of the Brunot Island-Crescent
8 138 kV Transmission Line and the Siting Study. In my testimony, I identify and generally
9 describe the *Environmental Assessment and Line Routing Study for the Duquesne Light*
10 *Company Brunot Island-Crescent 138 kV Transmission Line Project, Allegheny County,*
11 *Pennsylvania* report and appendices dated June 2018 (collectively the “Report”), which is
12 included as Attachment 3-A to the Amended Application of Duquesne Light Company for
13 the Siting and Construction of a 138 kV Transmission Line in Allegheny County,
14 Pennsylvania (“Siting Application”). The Report explains (1) the methodology utilized by
15 GAI and Duquesne Light (together, the “Siting Team”) to site the line route alternatives,
16 (2) the evaluation of the alternatives and selection of a Proposed Route for the Project, and
17 (3) the assessment and recommended mitigation of the potential environmental effects of
18 the Proposed Route. The siting and environmental study activities described in the Report
19 were performed by GAI, under my supervision, in coordination with Duquesne Light. The
20 Report was filed with the Siting Application as Attachment 3-A.

21

22 **Q. Were any portions of the siting study prepared by you or under your supervision?**

1 A. Yes, the siting and environmental study activities were performed by GAI, under my
2 supervision.

3

4 **Q. Please provide an overview of the project.**

5 A. As explained in the written amended direct testimony of Company witness Mr. Jason A.
6 Harchick (Duquesne Light Statement No. 1-A), Duquesne Light identified a need to
7 address aging infrastructure along the Brunot Island-Crescent 138 kV Transmission Line.
8 To address the aging infrastructure, Duquesne Light proposes to rebuild the Brunot Island-
9 Crescent 138 kV Transmission Line that will extend approximately 14.5 miles between the
10 Brunot Island Substation in the City of Pittsburgh and the Crescent Substation in Crescent
11 Township. As further explained in Duquesne Light Statement No. 3-A (Shyu), the Brunot
12 Island-Crescent 138 kV Transmission Line will be rebuilt as a 138 kV overhead
13 transmission line along existing Right of Way (“ROW”).

14

15 **II. SITING STUDY**

16 **Q. Please describe the purpose of the Siting Study prepared for the proposed Project.**

17 A. The purpose of the siting study was to select a suitable route for a 138 kV electric
18 transmission line between the Brunot Island Substation and the Crescent Substation that
19 tied into the Montour, Sewickley and Neville Substations along its path. Furthermore, the
20 purpose was to establish alternative routes for evaluation that are environmentally sound,
21 feasible from an engineering and economic perspective, and compliant with applicable
22 regulatory requirements. Environmental soundness includes minimizing environmental
23 impacts while maximizing siting opportunities. Engineering and economic feasibility
24 includes minimizing engineering constraints, cost, and distance of the route. Per

1 Pennsylvania regulations at 52 Pa. Code § 57.1, alternative routes analyzed must include
2 “a reasonable right-of-way which includes not more than 25 percent of the right-of-way of
3 the applicant’s proposed route”.

4 To meet the purpose of the siting study, the Project study area was examined for constraints
5 and opportunities in order to develop alternative routes, analyze impacts associated with
6 the alternative routes, and select the proposed route. The Proposed Route is the route that,
7 when considering all the constraints and opportunities, best minimized the overall impacts
8 of the Project.

9
10 **Q. Please summarize the route development process used in the Siting Study.**

11 A. The initial step in the siting process involved the identification of a study area boundary.
12 This was established to include the Project end points (the existing Brunot Island
13 Substation and the existing Crescent Substation), the mid route tie in substations (the
14 existing Montour, Neville and Sewickley Substations), existing Duquesne Light
15 transmission line corridors to allow for opportunities to parallel existing ROWs, and the
16 intervening areas. The northern limits of this study area were defined to avoid the Ohio
17 River. The southern limits of the study area were defined to avoid close proximity to the
18 Pittsburgh International Airport and to avoid Interstate 376. The study area incorporates
19 an approximately 34.1-square-mile area in Allegheny County, PA.

20 Following establishment of the study area, GAI utilized recent aerial photography (2015),
21 United States Geological Survey (USGS) topographic mapping, agency coordination, and
22 published data to compile a geographic information system (GIS)-based constraints map
23 of the study area. This map identified sensitive natural, cultural and socioeconomic

1 resources in the study area. GAI used this information to develop preliminary transmission
2 line routes for further analysis to avoid major constraints to the extent feasible.

3 Field reconnaissance was conducted to update data available for resources in the vicinity
4 of each of the preliminary routes. Route locations were then added or refined as necessary
5 based upon environmental and human/built constraints. A total of three alternative routes
6 were developed that minimize impacts to environmental, cultural and socioeconomic
7 constraints. The three alternatives were then qualitatively and quantitatively analyzed and
8 compared by the routing team to identify the Proposed Route.

9
10 **Q. Please summarize the guidelines and factors used to identify and evaluate the**
11 **potential routes.**

12 A. These guidelines recognize the importance of protecting and enhancing natural, historical,
13 scenic, and recreational resources in and around electric transmission projects. The siting
14 guidelines were developed based upon the Pennsylvania Public Utility Commission
15 (“Commission”) regulations (52 Pa. Code § 57.1 *et seq.*), public input, resource agency
16 permitting requirements, engineering requirements and economic feasibility. The siting
17 guidelines include both siting opportunities and siting constraints. Siting opportunities are
18 locations representing land use and environmental resources, which are compatible with
19 the safe, economical, and reliable construction and operation of a 138 kV transmission line.
20 Siting constraints represent locations where a 138 kV transmission line might have a
21 potential adverse impact on sensitive resources or locations where conditions might affect
22 reliable and safe operation or economical construction of the line. Siting opportunities
23 include paralleling existing electric transmission line, pipeline, or railroad ROW;

1 maximizing the distance from residential dwellings, schools, daycare facilities, hospitals
2 and other community facilities; a short direct route; open, uninhabited privately owned
3 terrain; consistency with stakeholder input; minimizing visibility from federal and state
4 listed scenic roadways and designated scenic resources; minimizing conflict with
5 designated public resource lands, recreation lands, nature preserves, or other conservation
6 areas; minimizing potential environmental and land use impacts by avoiding circuitous
7 routes; minimizing new crossings of large wetland complexes, critical habitat, and other
8 unique or distinct natural resources; minimizing habitat fragmentation; and impacts on
9 designated areas of biodiversity concern. Constraints include populated areas, recreational
10 areas, conservation areas, sensitive natural areas, cultural sites, engineering constraints,
11 airports and forestland.

12
13 **Q. Please describe how the Proposed Route is selected.**

14 A. To select the Proposed Route, the Siting Team examined 30 environmental, human/built,
15 and engineering resource criteria to determine impacts for each of the three alternatives.
16 These resource criteria were based on Commission regulations, public input, resource
17 agency permitting requirements, engineering requirements and economic feasibility. GAI
18 further evaluated these factors for each alternative as applicable within three areas of
19 proximity: (1) the immediate potential construction ROW; (2) the area adjacent to the
20 potential ROW that would be in view of sensitive resources; and (3) a four-mile wide
21 corridor, including the area two miles on either side of the centerline of each ROW.
22 Measurements compiled for each resource criterion data were assembled by review of
23 database software for the three alternative routes (see Section 4 in the Report). In order to

1 put resource measurements on a relative scale (acres, number, feet) and to obtain an impact
2 score that could be compared across the different alternatives, the data were then
3 mathematically proportioned to a scale of 1 to 10 (see Section 4 and Appendix B in the
4 Report). Higher scores indicate greater environmental impact; the route with the highest
5 score (worst) for individual resources receives a 10; that with the lowest score (best)
6 receives a 1. Thus, the scores are transformed to a relative scale from 1 to 10 to obtain
7 relative scores for each resource criterion. Using the relative position of the route in
8 comparison to the values for all routes provided an indication of how the route compares
9 for that resource criterion.

10 These scaled scores were then weighted according to weights established by the Siting
11 Criteria Council (SCC) for the GPU-DQE 500 kV Transmission Line Project. SCC
12 weights existed for 22 of the 30 resource criteria. The Siting Team assigned weights for
13 the remaining eight resource criteria (Land Trust Protected Area, Cemeteries, Exceptional
14 Value Streams, Landslide Prone Area, Commercial/Industrial Areas, Forest Land Cleared,
15 Non-existing ROW, and Length of ROW).

16 The scaled scores for each criterion were then multiplied by its respective weight to obtain
17 the impact scores shown in Section 4 and Appendix B of the Report. These impact scores
18 were summed to obtain an overall impact score for each alternative route.

19
20 **Q. Was public outreach part of the route selection process?**

21 A. Yes. Duquesne Light held three public open houses on February 21, 2017, February 28,
22 2017, and March 2, 2017, and invited impacted landowners, local residents and officials,
23 businesses, organizations and the general public located along the Proposed Route.

1 Duquesne Light advertised the open houses in local newspapers and utilized targeted
2 internet ads, in which it also provided an email and mailing address for the public to contact
3 Duquesne Light with any questions, comments, or concerns. During each open house,
4 multiple subject matter experts from Duquesne Light and its consultants were available to
5 explain the scope of the project, its potential impact, and the proposed schedule. Duquesne
6 Light also conducted further outreach with affected property owners, as discussed in
7 Duquesne Light Statement No. 4-A, the amended direct testimony of Lesley Gannon.
8 Additionally, I attended the Pennsylvania Public Utility Commission (“PUC” or
9 “Commission”) Public Input Hearing on October 9, 2019, where the Administrative Law
10 Judge assigned to this matter took testimony on the record from the general public about
11 the BI-Crescent Project.

12 Furthermore, as the Report notes, various resources prepared by governmental and non-
13 governmental agencies were consulted for information on the project area, including
14 comprehensive plans, natural heritage inventories, and other publications. Regulatory
15 agencies were also contacted concerning the potential presence of rare species and sensitive
16 natural and recreational resources. The Pennsylvania Historical and Museum
17 Commission’s Historic Preservation Office was consulted for information on the cultural
18 resources in the project area.

19
20 **Q. Did Duquesne Light consider local comprehensive plans and zoning ordinances in**
21 **selecting the Proposed Route for the Project?**

22 A. Yes. Preliminarily, I understand that public utility facilities, such as transmission lines and
23 substations, are generally exempt from local municipal authority. However, as required by

1 the Commission’s interim siting guidelines found at 52 Pa. Code § 69.1101 (2)(3) and §
2 69.3104 (1), GAI reviewed local zoning ordinances and comprehensive land use plans to
3 evaluate the impact of the Proposed Route on municipalities. Further descriptions can be
4 found in Section 7.2 of the Report.

5
6 **Q. In your experience developing studies to analyze the environmental impacts of**
7 **transmission line projects, was the Siting Study prepared and conducted consistent**
8 **with wide-spread and accepted practices in the industry?**

9 A. Yes. The procedures used in this Project Siting Study have been the Standard of Practice
10 for PAPUC High Voltage Transmission Line Siting for the past 25 years. Overall, the
11 goals of the siting study were to select a reasonable route for the BI-Crescent Project and
12 establish alternative routes for evaluation that are environmentally sound, feasible from an
13 engineering and economic perspective, and compliant with applicable regulations.
14 Moreover, the weighting criteria were used because they specifically were developed to
15 eliminate bias and enable the siting team to evaluate routes objectively. This is consistent
16 with wide-spread and accepted practices in the industry.

17
18 **III. PROPOSED ROUTE**

19 **Q. Please describe the feasible Alternative Routes identified by the Siting Team for the**
20 **Brunot Island-Crescent 138 kV Transmission Line.**

21 A. Using the siting analysis described above, the Siting Team identified three (3) suitable
22 alternative routes for the Brunot Island-Crescent 138 kV Transmission Line: Proposed
23 Route, which extends approximately 14.5 miles; Alternative 1, which extends

1 approximately 15.1 miles; and Alternative 2, which extends approximately 16.1 miles.
2 These three Alternative Routes are described in detail below.

3
4 **Proposed Route (14.5 miles)**

5 The Proposed Route exits the Brunot Island Substation to the west crossing the Ohio River.
6 It then travels west roughly paralleling Chartiers Creek for approximately two miles in an
7 undeveloped area squeezed between an industrial area to the north of Chartiers Creek and
8 residential areas to the south of Chartiers Creek. Once crossing Chartiers Creek for the
9 final time, the Proposed Route proceeds west-northwest following an existing ROW
10 through a forested area for approximately 1 mile. The Proposed Route then turns north-
11 northwest and precedes for approximately 0.5 miles. Where it crosses a subdivision located
12 between McKees Rocks Road and Clever Road and then passes into a forested area that
13 parallels Fairhaven Park. Once past Fairhaven Park the Proposed Route turns northwest
14 and continues for approximately one mile, where it crosses residential areas intermingled
15 with forested areas. The Proposed Route then crosses Interstate 79 and continues for
16 approximately a mile in a northwest direction crossing residential areas intermingled with
17 forested areas. The Proposed Route then turns north to enter and exit the Montour
18 Substation, which involves approximately 0.70 miles of combined ROW. The Proposed
19 Route then continues in a generally northwest direction for approximately eight miles
20 crossing residential areas intermingled with forested areas. In this eight-mile stretch, the
21 Proposed Route crosses numerous residential streets, including Thorn Run Road,
22 University Boulevard, Flaugherty Run Road, Spring Run Road, and Bocktown Road,
23 before entering the Crescent Substation.

- 1 The Proposed Route:
- 2 • Has zero miles of non-paralleling ROW;
 - 3 • Would impact 73.75 acres of forest land, 18.9 acres of NWI wetland, and 20 perennial
4 streams;
 - 5 • Crosses four commercial/industrial area, 102 houses, 11 apartment complexes, 47
6 roads/highways, and is adjacent to eight institutional complexes and three recreational
7 areas;
 - 8 • 0.6 acres of Core RTE habitat and zero acres of Land trust protected area;
 - 9 • Crosses 11.0 miles of steep terrain and 7.5 miles of landslide-prone area;
 - 10 • Is in the view shed of 34 Architectural/ historic site and crosses one Archaeological site;
11 and
 - 12 • Is, at its closest, two miles northeast of a runway associated with the Pittsburgh
13 International Airport, and approximately 0.6 miles of the route is within two miles of the
14 airport.

15 **Alternative Route 1 (15.1 miles)**

16 Alternative 1 exits the Brunot Island Substation to the north crossing the Ohio River and
17 enters an industrial portion of McKees Rocks. Alternative 1 roughly parallels railroad
18 ROW for approximately two miles, in a north-northwest direction. When it crosses over
19 the McKees Rocks Bridge, Alternative 1 leaves the railroad ROW and crosses over Route
20 51. The route then roughly parallels Route 51 on a largely forested hill slope for 2.3 miles.
21 Alternative 1 then crosses Interstate 79 and turns to the south for approximately 0.70 miles
22 before turning northwest for 0.6 miles to enter the Montour Substation. Between Interstate
23 79 and the Montour Substation, Alternative 1 passes through forested areas. Alternative 1
24 leaves the Montour Substation in a westward direction passing through forested area for
25 approximately 1.4 miles. At this point, Alternative 1 meets and overlaps the Proposed
26 Route and utilizes existing ROW. Alternative 1 continues along the existing ROW to the
27 northwest for approximately 1.2 miles. Alternative 1 then deviates to the west passing

1 through forested area for approximately 1.5 miles and crossing Thorn Run Road.
2 Alternative 1 then turns north staying in forested area and continues for approximately 1.6
3 miles. Alternative 1 then crosses Route 51 and turns to the northwest where it continues for
4 approximately three miles passing through mostly forested areas with some residential and
5 industrial areas before it enters the Crescent Substation.

6 **Alternative 1:**

- 7 • Has 12.8 miles of non-parallel ROW; which would need to be acquired as new
8 ROW;
- 9 • Would impact 200.7 acres of forest land 4.4 acres of NWI wetland, and 22 perennial
10 streams;
- 11 • Crosses nine commercial/industrial area, 24 houses, one apartment complex, 33
12 roads/highways, and is adjacent to six institutional complexes and one recreational
13 area;
- 14 • 2.81 acres of Core RTE habitat and 0.1 acres of Land trust protected area;
- 15 • Crosses 11.2 miles of steep terrain and 9.4 miles of landslide-prone area;
- 16 • Is in the view shed of 37 Architectural/ historic site and crosses three Archaeological
17 sites; and
- 18 • Is at its closest, 1.7 miles northeast of the Pittsburgh International Airport, and
19 approximately 2.7 miles of the route is located within two miles of the airport.

20
21 **Alternative Route 2 (16.1 miles)**

22 Alternative 2 exits the Brunot Island Substation to the north crossing the Ohio River and
23 enters an industrial portion of McKees Rocks. Alternative 2 roughly parallels railroad
24 ROW for approximately 3.8 miles, in a north-northwest direction. When it crosses over the
25 McKees Rocks Bridge, Alternative 2 leaves the railroad ROW, making several deviations
26 to the south and west, crossing over Route 51 and Interstate 79, and staying within largely
27 forested areas before entering the Montour Substation. Alternative 2 leaves the Montour

1 Substation in a western direction and is located in a forested area while it skirts a large
2 residential area for approximately three miles. Once past the residential area, Alternative
3 2 turns north for approximately 0.7 miles, and then turns northwest for approximately 1.4
4 miles, crossing over Thorn Run Road, and staying in forested areas. Alternative 2 then
5 turns north for approximately 1.6 miles, where it is located in forested area that is situated
6 between two residential areas. Alternative 2 then turns to the west and continues for
7 approximately one mile through forested area before meeting the Proposed Route.
8 Alternative 2 then turns northwest and continues along existing ROW for approximately
9 0.5 miles before diverging to the north-northwest to avoid several residential areas.
10 Alternative 2 continues to the north-northwest for approximately 1.6 miles before entering
11 the Crescent Substation.

12 Alternative 2:

- 13 • Has 15.0 miles of non-paralleling ROW;
- 14 • Would impact 230 acres of forest land, 4.5 acres of NWI wetland, and 22 perennial
15 streams;
- 16 • Crosses six commercial/industrial area, eight houses, one apartment complex, 25
17 roads/highways, and is adjacent to six institutional complexes and three recreational
18 areas;
- 19 • 3.2 acres of Core RTE habitat and 1.3 acres of Land trust protected area;
- 20 • Crosses 12.6 miles of steep terrain and 9.6 miles of landslide-prone area;
- 21 • Is in the view shed of 34 Architectural/ historic site and crosses one Archaeological
22 site; and
- 23 • Is at its closest, 1.4 miles east of the airport, and approximately four miles of the route
24 is located within two miles of the airport.

25
26 **Q. What route was selected for the Brunot Island-Crescent 138 kV Transmission Line?**

1 A. Based on a qualitative and quantitative review of information obtained from GIS data, field
2 reconnaissance, agency consultation and public outreach as well as engineering
3 considerations for the Project, the Siting Team selected the Proposed Route.

4
5 **Q. Please explain why the Proposed Route was selected for Brunot Island-Crescent 138**
6 **kV Transmission Line.**

7 A. The Siting Team evaluated the feasible alternatives and selected the overall best route that,
8 on balance, minimizes the impact to the natural and human environments, avoids
9 unreasonable and circuitous routes, and avoids non-standard design requirements. The
10 Proposed Route is the shortest and does not require the ROW. The Proposed Route also
11 had the least impacts from a human/built and engineering perspective. From an overall
12 environmental perspective, all of the alternatives had some impacts to most of the criteria
13 examined. The Proposed Route crosses the most human/built resources, as it has the most
14 road crossings, crosses the most residential structures, and crosses the most institutional
15 complexes. However, the Proposed Route will cross these human/built resources within
16 existing ROW and no new long-term impacts are anticipated. Additionally, the Proposed
17 Route crosses the least commercial/industrial areas. The Proposed Route is the best
18 alternative from an engineering perspective, as it crosses the least steep terrain and
19 landslide-prone areas, and is the farthest from the Pittsburgh International Airport. The
20 Proposed Route is the best alternative from an environmental resources perspective. It has
21 the least impact to most of the environmental resources including forest land cleared, core
22 RTE habitat, land trust protected areas, and perennial streams crossed, but has some of the
23 higher impact to other criteria such as wetlands crossed and recreational areas. The

1 Proposed Route is the second-best alternative from a cultural resources perspective. It has
2 the second most historical sites within its views shed and tied for the least archaeological
3 sites crossed. As a general matter, the two Alternative Route would require acquisition of
4 new ROW, which means that the environmental, human/built, cultural, and engineering
5 impact scores attributable to impacts for each of the Alternatives Routes are new impacts
6 on those resources as each of these routes. The Proposed Route is the shortest and does
7 not require new ROW and has the least impacts from an environmental, human/built,
8 cultural, and engineering perspective.

9
10 **IV. COMPLIANCE WITH POTENTIAL PERMIT AND MITIGATION**
11 **REQUIREMENTS**

12 **Q. Please summarize Duquesne Light's efforts to minimize the anticipated impacts and**
13 **potential permit and mitigation requirements of the proposed Project.**

14 A. Efforts were made during the siting process to minimize impacts on existing and future
15 land uses, as well as avoid sensitive natural resources such as wetlands and streams. Where
16 potential impacts are unavoidable, Duquesne Light will obtain any necessary permits and
17 comply with the best management practices laid out within during construction. Best
18 management practices may include fencing sensitive resources to protect them during
19 construction, use of timber matting equipment for crossings of streams and wetlands, and
20 utilizing erosion and sedimentation controls.

21 As part of the permitting process, any required waterway, wetland, or floodplain
22 encroachment permits will be obtained from the applicable jurisdictional state and federal
23 agencies prior to construction and Duquesne Light will comply with all special conditions
24 placed on the permits. In addition, to address water quality standards within watersheds

1 along the Project corridor, Duquesne Light will comply with the regulations of the National
2 Pollutant Discharge and Elimination System permit program, obtain the required soil
3 erosion and sedimentation control permits, and follow the specified conditions required for
4 the permit.

5 A detailed discussion of Duquesne Light's efforts to minimize the anticipated impacts and
6 potential permit and mitigation requirements of the proposed Project is provided in Section
7 5 to the Report, including potential impacts to: land use; natural features; rare, threatened,
8 and endangered species; cultural resources; community features and conserved lands; and
9 agency requirements and permits.

10

11 **Q. Does this conclude your testimony at this time?**

12 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
13 course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Aimee Kay, GAI Consultants, Inc., hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).

Aimee Kay

Aimee Kay
Environmental Manager in Power
Delivery

Date: August 10, 2020

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-_____
Subchapter G, for Approval of the Siting and :
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 3

**Written Direct Testimony of
Meenah Shyu**

Topics Addressed: Design and Safety Features of the Project

1 **Q. Please state your name and business address.**

2 A. My name is Meenah Shyu, and my business address is 2841 New Beaver Avenue
3 Pittsburgh, PA 15233.

4

5 **Q. By whom are you employed?**

6 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as
7 Manager of the Civil & Transmission Line Engineering Group.

8

9 **Q. What are your current responsibilities?**

10 A. I lead a team of civil engineers to support capital and maintenance projects. I also
11 oversee the design of transmission projects and structural projects in substation that are
12 engineered by Duquesne Light and Duquesne Light’s engineering contractors.

13

14 **Q. Please provide a summary of your education and professional work experience.**

15 A. In 2008, I received a Bachelor of Science degree in Civil Engineering from Carnegie
16 Mellon University in Pittsburgh, PA. In 2009, I received a Master of Science degree in
17 Civil and Environmental Engineering from Carnegie Mellon University in Pittsburgh,
18 PA.

19 My first professional occupation was at GAI Consultants in Homestead, PA,
20 where I worked as a civil engineer in the Structural and Lines Group from July 2009 to
21 May 2011. My second professional occupation was at DiGioia Gray & Associates in
22 Monroeville, PA, where I worked as a transmission line engineer in the Transmission
23 Line Engineering group from June 2011 to January 2016. My third and current

1 occupation is with Duquesne Light Company in Pittsburgh, PA. I have been working in
2 the Civil & Transmission Line Engineering group with DLC since January 2016.

3
4 **Q. What are your responsibilities in connection with the proposed Project?**

5 A. In my role as Manager of Civil & Transmission Line Engineering, I am responsible for
6 overseeing the overall engineering design development of the proposed Brunot Island –
7 Crescent 138 kV Transmission Line Project.

8
9 **Q. What is the purpose of your direct testimony in this proceeding?**

10 A. My testimony addresses several issues. First, I will explain the major design features of
11 the Brunot Island – Crescent 138 kV project. Second, I will explain the safety features
12 incorporated into the design of the Brunot Island – Crescent 138 kV project. Third, I will
13 explain Duquesne Light’s Magnetic Field Management Program and how it has been
14 incorporated into the design of the Brunot Island – Crescent 138 kV project.

15
16 **Q. Please describe the portions of the Siting Application that you are sponsoring.**

17 A. I am sponsoring Attachment 11, Duquesne Light Company Engineering Design Criteria,
18 Electromagnetic Field Policy and Application, and Safety Practices.

19
20 **Q. Please provide an overview of the proposed Project.**

21 A. As explained in the written direct testimony of Company witness Mr. Jason A. Harchick
22 (Duquesne Light Statement No. 1), the Brunot Island – Crescent corridor has some of
23 Duquesne Light’s oldest in-service steel lattice towers. Structural evaluations have

1 determined that the structures are approaching end of useful life. Based on current
2 conditions, structure deterioration, and the use of industry-standard transmission line
3 modeling software, Power Line Systems – Computer Aided Design and Drafting (“PLS-
4 CADD”), to model the line at current design codes, all results indicate these structures are
5 beyond permanent repair and require replacement. Duquesne Light proposes to rebuild
6 the Brunot Island – Crescent 138 kV Transmission Line that will extend approximately
7 14.5 miles between the Brunot Island Substation in the City of Pittsburgh and the
8 Crescent Substation in Crescent Township, the line will tie into the Montour Substation
9 along its route. The Ohio River crossing double-monopole structure 6634 in Attachment
10 7, which currently supports four circuits—Brunot Island – Montour (Z-43) 138kV,
11 Brunot Island – Crescent (Z-44) 138kV, Brunot Island – Collier (304) 345kV, Brunot
12 Island – Crescent (331) 345kV—will be replaced with two single-monopole structures.
13 One monopole will support the proposed Brunot Island – Montour (Z-43) 138kV circuit
14 and the proposed Brunot Island – Crescent (Z-44) 138kV circuit. The second monopole
15 will support the existing Brunot Island – Collier (304) 345kV circuit and the existing
16 Brunot Island – Crescent (331) 345kV circuit.

17
18 **Q. Please describe the design of the proposed Brunot Island – Crescent 138 kV**
19 **Transmission Line.**

20 A. The proposed new Brunot Island – Crescent 138 kV Transmission Line will be designed
21 as a double-circuit 138 kV/345 kV transmission line, but initially will be operated as a
22 double-circuit 138 kV transmission line until load growth makes it necessary to increase
23 the voltage of the second circuit and necessary approvals are acquired. This proposed

1 rebuild will also accommodate connections to Neville, Montour and Sewickley
2 Substations. The existing and proposed circuits that will be supported by the line
3 structures are Z-24, Z-43, Z-44 and Z-143. A short portion of a single circuit (Z-45) 138
4 kV line will also be rerouted to a new termination bay within Montour Substation. The
5 overhead 345 kV (initially energized at 138 kV) circuit design will utilize one (1) double
6 bundle power conductor per phase for each of the three (3) phases in the circuit. The
7 overhead 138 kV circuit will utilize three (3) single conductors, one for each of three
8 phases. The power conductors utilized for this project will be 795 kcmil,¹ 20/7 ACSS-
9 TW-HS² (Drake) conductors. The shield wire will primarily be fiber optic ground wire
10 and will provide lightning protection and a communication path between the substations.
11 This communication path could be used for communication between the protective relays
12 at the station operate circuit breakers in order to remove the line from service should a
13 fault in the line be detected.

14
15 **Q. Please describe the principal types of structures that will be used for the new Brunot**
16 **Island – Crescent 138 kV Transmission Line.**

17 A. Based on preliminary engineering, the new Brunot Island – Crescent Transmission line
18 will require approximately 108 new double-circuit support structures, which will consist
19 of self-supporting weathering steel single poles on drilled concrete pier foundations.

20 The steel structures will largely consist of tubular steel monopole structures that
21 will range from 60 to 200 feet in height, with an average height of approximately 180

¹ Kcmil stands for thousand circular mils. Kcmil wire size is the equivalent cross sectional area in thousands of circular mils. A circular mil is the area of a circle with a diameter of a thousandth (0.001) of an inch.

² ACSS-TW-HS stands for aluminum conductor steel supported, trapezoidal-shaped aluminum strands, high strength conductors

1 feet. All steel poles will be placed on drilled concrete shaft foundations. Due to the
2 landslide prone nature of a portion of the project area, the drilled concrete shaft
3 foundations will be designed, when necessary, such that they provide sufficient resistance
4 against landslides. The average span between these structures will be approximately 900
5 feet. The longest span is approximately 2,500 feet across the Ohio River.

6 The minimum insulation distance from an energized live part to any of the line
7 supporting structures is 5 feet. The minimum conductor-to-ground clearance for the
8 proposed Brunot Island – Crescent Transmission Line will be 30 feet where possible
9 under maximum electrical load and operating temperature.³ Typical design diagrams
10 similar to those that will be installed are included in Attachment 4.

11
12 **Q. What is the National Electrical Safety Code?**

13 A. The National Electrical Safety Code (“NESC”) is a set of rules designed to safeguard
14 people during the installation, operation, and maintenance of electric power lines. The
15 NESC contains the basic provisions considered necessary for the safety of employees and
16 the public. Although it is not intended as a design specification, its provisions establish
17 minimum design requirements.

18
19 **Q. Will the proposed Project comply with the NESC standards?**

20 A. Yes.
21

³ The maximum operating temperature is considered to be 392 degrees Fahrenheit.

1 **Q. Please explain the safety features that will be incorporated into the design of the**
2 **proposed Project.**

3 A. In addition to the safety features incorporated by designing the line in accordance with
4 the NESC, DLC’s design loading conditions for structures, wires, and clearances exceed
5 NESC standards. The line is designed for conductor-to-conductor clearances and
6 conductor-to-ground clearances, which support maintenance and inspection activities.
7 Work procedures and an Employee Safety Handbook have been developed to allow work
8 to be performed in a safe manner. Personnel are furnished with appropriate Personal
9 Protection Equipment for the performance of construction or maintenance activities in a
10 safe manner.

11 A description of the safety features incorporated into the design of the proposed
12 Project is provided in Attachment 11 to the Siting Application.

13
14 **Q. Please explain Duquesne Light’s electric and magnetic field (“EMF”) program and**
15 **how it will be incorporated into the design of the proposed Project.**

16 A. Duquesne Light has adopted a program to mitigate the potential impacts from EMFs.
17 This EMF program is applied to all new and reconstructed transmission lines. In order to
18 lower magnetic field exposures, the program generally prescribes the use of a line design
19 that provides ground clearances that meet or exceed the minimum NESC ground
20 clearance and reverses phasing of new double circuit lines where it is feasible to do so at
21 low or no cost. The implementation of additional modifications will be considered,
22 provided those modifications can be made at low or no cost and will not interfere with the

1 operation of the line. Duquesne Light's EMF program for this Project is provided in the
2 Safety and Design Criteria Attachment 11 to the Siting Application.

3 The Brunot Island – Crescent 138 kV Transmission Line will be designed for a
4 minimum vertical ground clearance of 30 feet where feasible, which is greater than the
5 clearance required by the NESC, 2017 edition.

6 As explained above, the Brunot Island – Crescent 138 kV Transmission Line will
7 be designed as a double-circuit 138 kV/345 kV transmission line, but initially will be
8 operated as a double-circuit 138 kV transmission line until load growth makes it
9 necessary to increase the voltage of the second circuit and necessary approvals are
10 acquired.

11

12 **Q. Does this complete your direct testimony?**

13 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues
14 arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-3008589
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008652
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 3-R

**Written Rebuttal Testimony of
Meenah Shyu**

Topics Addressed: Design and Safety Features of the Project

1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Meenah Shyu, and my business address is 2841 New Beaver Avenue
4 Pittsburgh, PA 15233.

5
6 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light
7 Company (“Duquesne Light” or the “Company”)?**

8 A. Yes. On March 15, 2019, I submitted my direct testimony regarding the “Application of
9 Duquesne Light Company filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for
10 Approval of the Siting and Construction of the 138 kV Transmission Lines Associated
11 with the Brunot Island-Crescent Project in the City of Pittsburgh, McKees Rocks
12 Borough, Kennedy Township, Robinson Township, Moon Township, and Crescent
13 Township, Allegheny County Pennsylvania” at Docket No. A-2019-3008589 (“BI-
14 Crescent Project”).

15
16 **Q. What is the purpose of your rebuttal testimony?**

17 A. My testimony responds to certain issues related to specific design and safety features
18 associated with the BI-Crescent Project, which were raised by several of the Protestants
19 in their oral testimony at the September 10, 2019 lay witness hearing. Specifically, I will
20 respond to the Protestants’ concerns regarding: (1) the BI-Crescent Project’s proposed
21 design, including the proposed reconstruction of one 138 kV circuit to be capable of
22 operating at 345 kV; (2) the Company’s ability to fit the proposed design within existing
23 25-foot wide rights-of-way; (3) the Company’s compliance with applicable National

1 Electrical Safety Code (“NESC”) rules; and (4) how the Company proposed to mitigate
2 the potential impacts of electromagnetic fields (“EMFs”) as a part of the project.

3
4 **Q. How is the remainder of your rebuttal testimony organized?**

5 A. Section II of my rebuttal testimony summarizes and responds to the Protestants’ concerns
6 regarding the Company’s proposed design for the BI-Crescent Project, including
7 Protestants’ claims that the BI-Crescent Project cannot be safely located in existing
8 rights-of-way. I note that Duquesne Light witness John Hilderbrand (Duquesne Light St.
9 5-R) will explain that it is possible to safely design and locate a transmission line capable
10 of operating at 345 kV within a 25-foot wide right-of-way, and that the BI-Crescent
11 Project is designed to accomplish this possibility. In addition, Section III will address
12 concerns regarding the steps Duquesne Light has taken to mitigate the potential impact of
13 EMFs.

14
15 **Q. Are you sponsoring any exhibits with your rebuttal testimony?**

16 A. No.

17
18 **II. REBUTTAL TO CRITICISMS OF DESIGN FEATURES**

19 **Q. Did you describe the primary design features of the BI-Crescent Project in your
20 direct testimony?**

21 A. Yes. On pages 3 to 5 of my direct testimony (Duquesne Light St. 3), I describe the
22 engineering design of the Project and also provide an overview of the typical structures
23 used in the project. In addition, I sponsored Attachment 11 to the initial Application,

1 which is the Duquesne Light Company Engineering Design Criteria, Electromagnetic
2 Field Policy and Application, and Safety Practices.

3
4 **Q. Do any of the Protestants raise concerns regarding the design features of the BI-
5 Crescent Project?**

6 A. Yes, albeit indirectly in many cases. Mr. Gable asserts that the BI-Crescent Project is
7 designed to “eliminate” the existing 138 kV facilities. (Tr. 140) In addition, Mr. Zona
8 testified regarding the typical structure designs and submitted several associated exhibits.
9 (See Tr. 172-181; see also Exhibits Zona 1-3, 5, 6) I will respond to each of these
10 Protestants below.

11
12 **Q. Please respond to Mr. Gable’s assertion that the BI-Crescent Project seeks to
13 “eliminate” existing 138 kV facilities and substitute those facilities with facilities
14 providing service at 345 kV.**

15 A. The BI-Crescent Project will be designed to one 138 kV circuit and one 345 kV circuit.
16 However, it will be constructed and installed as a double circuit 138 kV line. Therefore,
17 the BI-Crescent Project will be operating as a double circuit 138 kV line. Duquesne Light
18 witness Jason Harchick discusses the need for designing these facilities to be capable of
19 345 kV operation at some point in the future after all necessary approvals have been
20 obtained. (See Duquesne Light St. 1-R)

21
22 **Q. Please summarize Mr. Zona’s testimony regarding the design features of the BI-
23 Crescent Project.**

1 A. Mr. Zona first testifies regarding the average height of the typical towers to be used for
2 the Project and the tower that is planned to be located on his property, and asserts that
3 Duquesne Light has increased the height of these structures from preliminary
4 engineering. (Tr. 173-174) Next, Mr. Zona testifies that the BI-Crescent Project will
5 result in an increase in the maximum conductor height and in additional increases in the
6 heights of other conductors. (Tr. 174-175) Mr. Zona then testifies regarding the design
7 of certain of the circuits to be capable of operating at 345 kV, and asserts that Duquesne
8 Light is going to operate those facilities at 345 kV. (Tr. 177-178) Mr. Zona then testifies
9 that regarding the dimensions of each structure and asserts that Duquesne Light cannot
10 locate these structures within a 25 foot right-of-way, and that attempting to locate these
11 structures in a right-of-way narrower than 150 feet violates accepted industry practices
12 “worldwide”, including the NESC. (Tr. 179-181) Finally, Mr. Zona appears to assert
13 these design issues render the design of the BI-Crescent Project unsafe. (*See* Tr. 181)

14
15 **Q. Please respond to Mr. Zona’s assertion that an increase in average height of the**
16 **typical towers to be used for the Project and/or an increase in average height of the**
17 **tower planned to be located on his property has increased from preliminary**
18 **engineering (Tr. 173-174).**

19 A. The existing tower located on Mr. Zona’s property is at a height of 90.8 feet with a
20 double circuit configuration that is side-by-side. This existing tower is proposed to be
21 replaced with an approximately 185 foot tall monopole with a double circuit
22 configuration, stacked on top, and not as a side-by-side configuration. The stacked
23 configuration ensures that the monopole can safely operate at rest within the 25-foot

1 width right-of-way because it is narrower in width compared to a side-by-side
2 configuration. As a result of moving to a stacked configuration and in order to meet the
3 required NESC clearances from wire to ground and NESC clearances wire to wire, the
4 new structure would increase in height to approximately 185 feet.

5
6 **Q. Does Duquesne Light regularly re-evaluate and update the preliminary engineering**
7 **design of its transmission line projects, if it is necessary to do so?**

8 A. Yes, Duquesne Light regularly evaluates and updates the preliminary engineering design
9 of its transmission line projects throughout the course of each project. Typically,
10 Duquesne Light hires expert transmission line engineering consultants to design these
11 projects. Throughout the course of the design process, Duquesne Light and the consultant
12 meet specifically to discuss design details, for example at a 30% design completion, 60%
13 design completion, and 90% design completion. These meetings are in addition to
14 regularly scheduled design meetings to discuss any design details and changes. It is
15 necessary for Duquesne Light to review and understand that the design meets industry
16 standard codes before going into construction.

17
18 **Q. Why is it necessary to increase the average tower height, as compared to the existing**
19 **structures?**

20 A. In order to meet the NESC Code and stay within the existing right-of-way, Duquesne
21 Light is proposing to increase the existing structure height on Mr. Zona's property from
22 90.8 feet to approximately 185 feet. The existing tower is a side-by-side configuration,
23 which explains the lower tower height. By going to a stacked configuration, the circuits

1 would be on top of each other. The benefit of this configuration is that the structure will
2 be inside the right-of-way. In order to meet the NESC wire to ground clearances and
3 NESC wire to wire clearances, the monopole height increased to approximately 185 feet.

4
5 **Q. Is the average tower height accurately described in the Application?**

6 A. Yes.

7
8 **Q. Please respond to Mr. Zona's assertion that the BI-Crescent Project will result in an
9 increase in conductor heights along the existing transmission corridor (Tr. 174-175).**

10 A. Yes, the conductor heights along the existing transmission corridor will increase for two
11 reasons. One, the configuration will change from side-by-side to a stacked configuration.
12 Two, Duquesne Light follows industry standard codes, such as the NESC Code, which
13 outlines the required clearances that must be met such as clearances from wire to ground
14 and wire to wire. In order to comply with these requirements, the height of the structure
15 increased.

16
17 **Q. Why is the increase in conductor height necessary from an engineering design
18 standpoint?**

19 A. Duquesne Light follows industry standard codes, such as the NESC Code. The current
20 code is the NESC 2017 edition, which outlines the required clearances that must be met
21 such as clearances from wire to ground and wire to wire. In order to comply with these
22 requirements, the height of the structure increased.

1 **Q. Please respond to Mr. Zona's assertion that the BI-Crescent Project will include 345**
2 **kV transmission facilities (Tr. 177-178).**

3 A. Duquesne Light previously responded to a similar concern raised by Mr. Gable. Witness
4 Jason Harchick discusses the necessity basis for designing these facilities to be capable of
5 345 kV operation at some point in the future after all necessary approvals have been
6 obtained. (See Duquesne Light St. 1-R)

7
8 **Q. From an engineering design standpoint, is there any benefit to designing the BI-**
9 **Crescent Project to include facilities capable of operating at 345 kV at some point in**
10 **the future?**

11 A. From an engineering design standpoint, there is a significant benefit to designing the BI-
12 Crescent Project to include facilities capable of operating at 345 kV. If the need arises to
13 upgrade to 345 kV, very minimal construction will be needed and the cost to upgrade will
14 be minimal. If however the BI-Crescent Project is designed to only be capable of 138 kV,
15 if the need should arise in the future for 345 kV, then the entire line must be taken down
16 and new foundations and structures must be erected. The cost to upgrade the line to 345
17 kV would be significant at that point in the future. It would be necessary to take down the
18 line and construct new foundations and structures because the NESC Code may have
19 increased clearances requirements for 345 kV. Additionally, the NESC Code has required
20 structural load requirements that transmission structures must pass. The bundled
21 conductor capable of carrying 345 kV voltage would increase the structural load on the
22 138 kV structures and would likely overstress the 138 kV structures.

23

1 **Q. Is the design and proposed operation of the conductors associated with the BI-**
2 **Crescent Project accurately described in the Application?**

3 A. Yes.

4

5 **Q. Please respond to Mr. Zona’s assertion that the installation of the proposed facilities**
6 **within a 25-foot wide right-of-way violates “worldwide” industry practices and/or**
7 **the NESC (Tr. 179-181).**

8 A. As described in Mr. John Hilderbrand’s Testimony, Duquesne Light is not aware of what
9 Mr. Zona is referring to as worldwide industry practices. It is our understanding that each
10 utility determines the appropriate rights-of-way for safe operation of transmission lines.
11 Duquesne Light agrees that the NESC Code is an industry standard code applicable to the
12 BI-Crescent Line. The new BI-Crescent design meets all NESC Codes. While the NESC
13 gives minimum safety clearance requirements, there is no requirement that governs the
14 width of the prescribed right-of-way.

15

16 **Q. Is Mr. Zona correct that the proposed design of the BI-Crescent Project violates**
17 **accepted industry standards?**

18 A. No, Mr. Zona is not correct that the proposed design of the BI-Crescent Project violates
19 accepted industry standards. An accepted industry standard is the NESC Code. The
20 proposed BI-Crescent Project meets and/or exceed the requirements of the NESC Code.
21 Details of this can be found in Attachment 11 to the BI-Crescent Application.

22

1 **Q. Is Mr. Zona correct that the proposed design of the BI-Crescent Project violates the**
2 **NESC?**

3 A. No, Mr. Zona is not correct that the proposed design of the BI-Crescent Project violates
4 the NESC Code. The proposed BI-Crescent Project meets and/or exceed the requirements
5 of the NESC Code. Details of this can be found in Attachment 11 to the BI-Crescent
6 Application.

7
8 **Q. Is Mr. Zona correct regarding his description of the location of facilities extending**
9 **beyond existing 25-foot wide right-of-way (Tr. 179-181)?**

10 A. No, Mr. Zona is not correct regarding his description of the location of facilities
11 extending beyond existing 25-foot wide right-of-way. Attachment 4B to the BI-Crescent
12 Application, which Mr. Zona is referring to (Exhibit Zona 3), is only a typical cross
13 section of a suspension structure that was developed during the early stages of the
14 Project. Attachment 4A to the BI-Crescent Application shows a typical cross section of a
15 dead-end structure, which is another possible structure that can be used on the property.
16 This type of structure does not have any steel arms and has a total width that is inside the
17 right-of-way. Specific structure types, designs, and dimensions on every part of the line
18 are still under review by the design team and the final design will be such that the
19 structures and at-rest conductors will be fully within the right-of-way.

20
21 **Q. Is Mr. Zona correct regarding his concern that conductor blow-out may extend**
22 **beyond the bounds of Duquesne Light's rights-of-way?**

1 A. Duquesne Light has designed the BI-Crescent Project to meet all NESC Codes, including
2 the design blowout condition clearances. The NESC Code does not give guidance on how
3 any of the clearance requirements is related to right-of-way widths. In addition, I have
4 been advised by counsel that Duquesne Light asserts that its existing rights accommodate
5 blowout for transmission lines.
6

7 **Q. Where a 25-foot wide right-of-way is used, how will the transmission facilities be**
8 **safely located inside the right-of-way?**

9 A. As stated in Mr. John Hilderbrand’s testimony, the footprint of the new monopoles and
10 the conductors are designed to rest inside the 25-foot wide rights-of-way. Additionally,
11 the increased height of the new structure ensures that NESC clearances will be met. We
12 also have the rights to construct the new line using ingress/egress rights. The right-of-way
13 agreement applicable to the Zona property states “thereunto belonging, or necessary or
14 proper for use in connection therewith, with the right, privilege and authority to erect,
15 construction, use, operate, maintain, repair, renew and finally remove the same, and to
16 enter upon said premises at any time for said purposes, together with the further right to
17 trim or remove any trees or shrubbery which, at any time, may interfere or threaten to
18 interfere with the construction, maintenance and operation of such electric transmission
19 system...”.

20
21 **Q. Does the design of the BI-Crescent Project comply with all applicable NESC safety**
22 **standards?**

1 A. Yes, while all NESC Codes must be met, the following NESC Codes are applicable and
2 relevant to the customer:

- 3 • NESC Rule 232B1 for vertical clearances to grade for 138 kV is 20.6ft
- 4 • NESC Rule 234B2 for vertical clearances to a building for 138 kV is 6.6ft.
- 5 • NESC Rule 234B1a for horizontal clearances to a building for 138 kV during at
6 rest conditions is 9.6ft.
- 7 • NESC Rule 234B1b for horizontal clearance to a building for 138 kV during wind
8 displacement is 6.6ft + NESC 6psf blowout.

9
10 **Q. Does the design of the BI-Crescent Project comply with any safety standards more**
11 **stringent than the NESC?**

12 A. Yes, the BI-Crescent Project complies with Duquesne Light's current design practices
13 and criteria that are more stringent than the NESC Code. To account for any slight
14 changes during construction that would change clearances slightly, the BI-Crescent
15 Project's design has all NESC required clearances increased by 10%. Additionally, as
16 stated in the Application's design Attachment 11, the design ground clearance is 30 feet
17 which exceeds the 20.6 feet clearance required by NESC Rule 232B1 for vertical
18 clearances to grade for 138 kV transmission lines.

19
20 **Q. To be clear, does the design of the BI-Crescent Project and the associated facilities**
21 **violate any accepted industry standards for the location and construction of electric**
22 **transmission facilities?**

1 A. No, the design of the BI-Crescent Project and the associated facilities do not violate the
2 NESC Code, which is an industry standard code.

3

4 **III. REBUTTAL TO CONCERNS REGARDING MITIGATION OF EMFS**

5 **Q. Did any of the Protestants testify regarding concerns related to electromagnetic field**
6 **(“EMF”) exposure?**

7 A. Mr. Gable, Mr. Rabosky, and Mr. Zona raised concerns regarding exposure to EMFs
8 associated with the BI-Crescent Project. Mr. Gable alleged that the Project would
9 increase EMF exposure on his property and along the route generally. (Tr. 140-141, 145)
10 In addition, Mr. Rabosky alleged health concerns related to EMF exposure. (Tr. 163-
11 164) I specifically note, however, that Mr. Rabosky testified that it is his understanding
12 “that there’s no scientific link between electrical transmission and cancer.” (Tr. 163-164)
13 Lastly, Mr. Zona testified that the Proposed Route will expose the public to “EMI from
14 the increased voltage...and increased current” along the Proposed Route. (Tr. 186)

15

16 **Q. Did any of these Protestants specifically reference or contest Duquesne Light’s**
17 **Electromagnetic Field Policy and Application, and Safety Practices, which was**
18 **included with the BI-Crescent Project as Attachment 11?**

19 A. No, they did not.

20

21 **Q. Please describe how Duquesne Light applied its Electromagnetic Field Policy to the**
22 **BI-Crescent Project.**

23 A. A large body of scientific evidence does not demonstrate that exposure to EMF are
24 harmful, although guidelines have been set. The EMF exposure standard for the United

1 States is the IEEE Standard C95.6 “Safety Levels with Respect to Human Exposure to
2 Electromagnetic Fields, 0-3 kHz,” which specifies maximum permissible exposure
3 (MPE) limits for the general public of 9040mG (60 Hz) for magnetic fields and 10kV/m
4 (60 Hz) for electric fields within in the right-of-way and 5 kV/m off the right-of-way.
5 Internally, the World Health Organization does not produce an EMF standard, but
6 recognizes the International Council on Non-Ionizing Radiation Protection (ICNIRP)
7 standard. The 2010 ICNIRP standard “ICNIRP Guidelines for Limiting Exposure to
8 Time-varying Electric and Magnetic Fields (1 hZ to 100 kHz)” lists general public
9 reference levels of 2000mG (60Hz) for magnetic fields and 4.167 kV/m (60Hz) for
10 electric fields. Duquesne Light’s transmission lines have EMF levels that are under the
11 reference levels as indicated in these standards and guidelines. Duquesne Light also
12 takes additional steps in its transmission line planning and design processes to identify
13 and minimize any potential EMF impacts on the surrounding area. Duquesne Light
14 balances circuit loads where practical to maximize the EMF-mitigating effects of reverse
15 phasing. Also, the above-ground lines have been designed with a minimum conductor
16 clearance of 30 feet in most areas. This establishes a wide “buffer area” in which EMF
17 emitted by the line will rapidly dissipate.

18
19 **Q. In addition to applying the Electromagnetic Field Policy to the BI-Crescent Project,**
20 **did Duquesne Light take any additional steps to study the potential for EMF**
21 **exposure as a result of this Project?**

22 A. Yes, because EMF decrease significantly with distance from the source, any potential
23 EMF emitted by a new transmission line is highly localized. Duquesne Light therefore

1 first identified the point(s) in a new transmission line with highest potential for EMF
2 exposure. This point is usually a span with (i) lowest ground clearance, (ii) in densely
3 populated neighborhoods; and (iii) in close proximity to publically-accessible areas (such
4 as public sidewalks). An EMF study was conducted on select areas on the BI-Crescent
5 Project to confirm that Duquesne Light's transmission lines have EMF levels that are
6 under the reference levels as indicated in the standards and guidelines listed in the
7 previous question.

8
9 **Q. Was an analysis comparing existing EMF calculations to prospective EMF**
10 **calculations under the configuration of the Brunot Island-Crescent 138 kV proposed**
11 **in the Application conducted?**

12 A. Yes, select areas were selected and studied for EMF levels on the Project. Duquesne
13 Light's BI-Crescent Project has EMF levels that are under the acceptable levels as
14 indicated in the standards and guidelines in the above paragraphs.

15
16 **Q. Have you reviewed this analysis and relied upon it for the purposes of your rebuttal**
17 **testimony?**

18 A. Yes.

19
20 **Q. Please explain the scope and purpose of the analysis.**

21 A. The purpose of the EMF analysis is to understand the electric and magnetic field levels
22 on the BI-Crescent Project and compare them to the standards and guidelines recognized

1 by WHO, since there is no standard guideline that Duquesne Light is aware of for
2 acceptable EMF levels in the state of Pennsylvania.

3

4 **Q. What does the analysis conclude?**

5 A. The analysis concluded that Duquesne Light's BI-Crescent Project has EMF levels that
6 are under the reference levels as indicated in the standards and guidelines recognized by
7 WHO.

8

9 **Q. Does this complete your rebuttal testimony?**

10 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues
11 arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter : Docket No. A-2019-3008589
G, for Approval of the Siting and Construction : Docket No. A-2019-3008652
of the 138 kV Transmission Lines Associated :
with the **Brunot Island – Crescent Project** in :
the City of Pittsburgh, McKees Rocks Borough, :
Kennedy Township, Robinson Township, :
Moon Township, and Crescent Township, :
Pennsylvania

Duquesne Light Company

Statement No. 3-A

**Written Amended Direct Testimony of
Meenah Shyu**

Topics Addressed: Design and Safety Features of the Amended Project



1 **Q. Please state your name and business address.**

2 A. My name is Meenah Shyu, and my business address is 2841 New Beaver Avenue
3 Pittsburgh, PA 15233.

4

5 **Q. By whom are you employed?**

6 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as
7 Manager of the Civil & Transmission Line Engineering Group.

8

9 **Q. What are your current responsibilities?**

10 A. I lead a team of civil engineers to support capital and maintenance projects. I also oversee
11 the design of transmission projects and structural projects in substations that are engineered
12 by Duquesne Light and Duquesne Light’s engineering contractors.

13

14 **Q. Please provide a summary of your education and professional work experience.**

15 A. In 2008, I received a Bachelor of Science degree in Civil Engineering from Carnegie
16 Mellon University in Pittsburgh, PA. In 2009, I received a Master of Science degree in
17 Civil and Environmental Engineering from Carnegie Mellon University in Pittsburgh, PA.
18 My first professional occupation was at GAI Consultants in Homestead, PA, where I
19 worked as a civil engineer in the Structural and Lines Group from July 2009 to May 2011.
20 My second professional occupation was at DiGioia Gray & Associates in Monroeville, PA,
21 where I worked as a transmission line engineer in the Transmission Line Engineering group
22 from June 2011 to January 2016. My third and current occupation is with Duquesne Light

1 Company in Pittsburgh, PA. I have been working in the Civil & Transmission Line
2 Engineering group with Duquesne Light Company since January 2016.

3
4 **Q. What are your responsibilities in connection with the proposed Amended Project?**

5 A. In my role as Manager of Civil & Transmission Line Engineering, I am responsible for
6 overseeing the overall engineering design development of the proposed Brunot Island –
7 Crescent 138 kV Transmission Line Project.

8
9 **Q. Have you previously provided testimony in this matter?**

10 A. Yes, on March 15, 2019, I submitted Direct Testimony (“Duquesne Light Statement No.
11 3”), and on October 10, 2019, I submitted Rebuttal Testimony (“Duquesne Light Statement
12 No. 3-R”).

13
14 **Q. What is the purpose of your amended direct testimony in this proceeding?**

15 A. My amended testimony addresses several issues. First, I will explain the major design
16 features of the Brunot Island – Crescent 138 kV project (“BI-Crescent Amended Project”
17 or “Amended Project”). Second, I will explain the safety features incorporated into the
18 design of the Amended Project. Third, I will explain Duquesne Light’s Magnetic Field
19 Management Program and how it has been incorporated into the design of the Project.

20
21 **Q. Please describe the portions of the Siting Application that you are sponsoring.**

22 A. I am sponsoring Attachment 11, Duquesne Light Company Engineering Design Criteria,
23 Electromagnetic Field Policy and Application, and Safety Practices.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

Q. Please provide an overview of the proposed Amended Project.

A. As explained in the written amended direct testimony of Company witness Mr. Jason A. Harchick (Duquesne Light Statement No. 1-A), the Brunot Island – Crescent corridor has some of Duquesne Light’s oldest in-service steel lattice towers. Structural evaluations have determined that the structures are approaching end of useful life. Based on current conditions and structure deterioration, these structures are beyond permanent repair and require replacement. Duquesne Light proposes to rebuild the Brunot Island – Crescent 138 kV Transmission Line, which will extend approximately 14.5 miles between the Brunot Island Substation in the City of Pittsburgh and the Crescent Substation in Crescent Township, the line will tie into the Montour Substation along its route. The Ohio River crossing double-monopole structure 6634, which is depicted in Attachment 7 and currently supports four circuits—Brunot Island – Sewickley (Z-43) 138kV, Brunot Island – Montour (Z-44) 138kV, Brunot Island – Collier (304) 345kV, Brunot Island – Crescent (331) 345kV—will be replaced with two single-monopole structures. One monopole will support the proposed Brunot Island – Montour (Z-43) 138kV circuit and the proposed Brunot Island – Crescent (Z-44) 138kV circuit. The second monopole will support the existing Brunot Island – Collier (304) 345kV circuit and the existing Brunot Island – Crescent (331) 345kV circuit.

Q. Please describe the design of the proposed Brunot Island – Crescent 138 kV Transmission Line, as amended by the Amended Application.

1 A. The amended Brunot Island – Crescent 138 kV Transmission Line Project, will be
2 designed, constructed, and operated as a double-circuit 138 kV transmission line. This
3 proposed rebuild will also accommodate connections to Neville, Montour and Sewickley
4 Substations. The existing and proposed circuits that will be supported by the line structures
5 are Z-24, Z-43, Z-44 and Z-143. A short portion of a single circuit (Z-45) 138 kV line will
6 also be rerouted to a new termination bay within Montour Substation. The two (2) overhead
7 138kV circuits will utilize three (3) single conductors per circuit, one for each of three (3)
8 phases. The power conductors utilized for this Amended Project will be 795 kcmil,¹ 20/7
9 ACSS-TW-HS² (Drake) conductors. The shield wire will primarily be fiber optic ground
10 wire and will provide lightning protection and a communication path between the
11 substations. This communication path could be used for communication between the
12 protective relays at the station to operate circuit breakers in order to remove the line from
13 service should a fault in the line be detected.

14
15 **Q. How is the design of the Amended BI-Crescent Project different from the initial**
16 **proposal?**

17 A. The initial proposal submitted in March 2019 involved designing, constructing, and
18 operating the Brunot Island – Crescent Transmission line as a 138 kV double-circuit
19 transmission line, with the second circuit being designed and constructed to 345 kV
20 standards, until load growth made it necessary to increase the voltage of the second circuit
21 to 345 kV. The amended proposal does not contemplate increasing the voltage of the

¹ Kcmil stands for thousand circular mils. Kcmil wire size is the equivalent cross sectional area in thousands of circular mils. A circular mil is the area of a circle with a diameter of a thousandth (0.001) of an inch.
² ACSS-TW-HS stands for aluminum conductor steel supported, trapezoidal-shaped aluminum strands, high strength conductors

1 second circuit to 345 kV standards. In short, the Amended Project maintains the double-
2 circuit 138 kV voltage that exists today. Both proposals were (and are) designed to meet
3 all applicable NESC requirements. As explained by Mr. Jason A. Harchick in Duquesne
4 Light Statement No. 1-A, Duquesne Light amended the initial proposal based on recent
5 generator deactivations and after receiving feedback from its customers through multiple
6 channels and forums, including the feedback received at the public input hearing on
7 October 9, 2019.

8
9 **Q. Please describe the principal types of structures that will be used for the Brunot**
10 **Island – Crescent 138 kV Transmission Line.**

11 A. Based on preliminary engineering, the Brunot Island – Crescent Transmission Line will
12 require approximately 99 new double-circuit support structures, which will consist of self-
13 supporting weathering steel single poles on drilled concrete pier foundations.

14 The steel structures will largely consist of tubular steel monopole structures that
15 will range from 100 to 199 feet in height, with an average height of approximately 155
16 feet. All steel poles will be placed on drilled concrete shaft foundations. Due to the
17 landslide prone nature of a portion of the project area, the drilled concrete shaft foundations
18 will be designed, when necessary, such that they provide sufficient resistance against
19 landslides. The average span between these structures will be approximately 900 feet. The
20 longest span is approximately 2,500 feet across the Ohio River.

21 The minimum conductor-to-ground clearance for the proposed Brunot Island –
22 Crescent Transmission Line will be 23 feet where possible under maximum electrical load

1 and operating temperature.³ Typical design diagrams similar to those that will be installed
2 are included in Attachment 4.

3
4 **Q. How do the structure heights for the proposed Amended Project differ from the initial
5 proposal, if at all?**

6 A. The initial proposal contemplated structure heights ranging from 60 to 200 feet to
7 accommodate the portion of the proposal to build to 345kV standards. The amended
8 proposal, which eliminates the request to build to 345kV standards, reduces the structure
9 height by 35 feet, on average, as compared to the initial proposal. As stated above, the
10 current proposal contemplates structure heights ranging from 100 to 199 feet tall.

11
12 **Q. What is the National Electrical Safety Code?**

13 A. The National Electrical Safety Code (“NESC”) is a set of rules designed to safeguard
14 people during the installation, operation, and maintenance of electric power lines. The
15 NESC contains the basic provisions considered necessary for the safety of employees and
16 the public. Although it is not intended as a design specification, its provisions establish
17 minimum design requirements.

18
19 **Q. Will the proposed Amended Project comply with the NESC standards?**

20 A. Yes.
21

³ The maximum operating temperature is considered to be 392 degrees Fahrenheit.

1 **Q. Does Duquesne Light Company need to acquire additional land rights to build the**
2 **proposed Project in compliance with NESC standards?**

3 A. No. The Amended Project can be safely located and constructed within the rights-of-way
4 currently secured. The footprint of the new monopoles and the conductors are designed to
5 rest inside the 25-foot wide rights-of-way. Additionally, the increased height of the new
6 structures (as compared to the existing structures) ensures that NESC clearances will be
7 met. The narrowest right-of-way in the Amended Project area is 25-feet wide. The right
8 of way agreements in the Amended Project area allow the Company to construct, maintain,
9 repair, renew and remove the transmission line, in addition to, the further right to trim or
10 remove any trees or shrubbery which, at any time, may interfere or threaten to interfere
11 with the construction, maintenance and operation of the electric transmission system. The
12 Company also has the rights to conduct construction activities for the Amended Project
13 using ingress and egress rights provided for in the existing agreements. The Company is
14 increasing the heights of the structures as compared to the existing structures in order to
15 accommodate the narrow rights-of-way and be compliant with NESC standards.

16
17 **Q. Please explain the proposed Project as it relates to NESC blowout clearances.**

18 A. Duquesne Light has designed the BI-Crescent Amended Project to meet all NESC
19 standards, including the design blowout condition clearances. The NESC does not give
20 guidance on how any of the clearance requirements is related to right-of-way widths. In
21 addition, I have been advised by counsel that Duquesne Light asserts that its existing rights
22 accommodate blowout for transmission lines.

23

1 **Q. How do NESC clearances apply to a typical customer subject to a 25-foot wide right-**
2 **of-way agreement on his or her property?**

3 A. The following NESC Codes are applicable and relevant to a customer subject to a 25-foot
4 wide right-of-way on his or her property:

- 5 • NESC Rule 232B1 for vertical clearances
- 6 • NESC Rule 234B2 for vertical clearances to a building.
- 7 • NESC Rule 234B1a for horizontal clearances to a building for 138 kV during
8 at rest conditions.
- 9 • NESC Rule 234B1b for horizontal clearance to a building for 138 kV during
10 wind displacement plus NESC 6psf blowout.

11 The Amended Project will be constructed, maintained, and operated in accordance with all
12 NESC clearance requirements, including those listed above.

13

14 **Q. Does the design of the Amended Project comply with any safety standards more**
15 **stringent than the NESC?**

16 A. Yes, the Amended Project complies with Duquesne Light's current design practices and
17 criteria that are more stringent than the NESC Code. To account for any slight changes
18 during construction that would change clearances slightly, the BI-Crescent Amended
19 Project's design has all NESC required clearances increased by 10%. Additionally, as
20 stated in the Amended Application's design Attachment 11, the design ground clearance is
21 23 feet which exceeds the 20.6 feet clearance required by NESC Rule 232B1 for vertical
22 clearances to grade for 138 kV transmission lines.

23

1 **Q. Does the design of the BI-Crescent Amended Project and the associated facilities**
2 **violate any accepted industry standards for the location and construction of electric**
3 **transmission facilities?**

4 A. No, the design of the Amended Project and the associated facilities do not violate the NESC
5 Code, which is an industry standard code.

6
7 **Q. Please explain the safety features that will be incorporated into the design of the**
8 **proposed Amended Project.**

9 A. In addition to the safety features incorporated by designing the line in accordance with the
10 NESC, Duquesne Light's design loading conditions for structures, wires, and clearances
11 exceed NESC standards. The line is designed for conductor-to-conductor clearances and
12 conductor-to-ground clearances, which support maintenance and inspection activities.
13 Work procedures and an Employee Safety Handbook have been developed to allow work
14 to be performed in a safe manner. Personnel are furnished with appropriate Personal
15 Protection Equipment for the performance of construction or maintenance activities in a
16 safe manner.

17 A description of the safety features incorporated into the design of the proposed
18 Amended Project is provided in Attachment 11 to the Amended Application.

19
20 **Q. Please explain Duquesne Light's electric and magnetic field ("EMF") program and**
21 **how it will be incorporated into the design of the proposed Amended Project.**

22 A. Duquesne Light has adopted a program to mitigate the potential impacts from EMFs. This
23 EMF program is applied to all new and reconstructed transmission lines. In order to lower

1 magnetic field exposures, the program generally prescribes the use of a line design that
2 provides ground clearances that meet or exceed the minimum NESC ground clearance and
3 reverses phasing of new double circuit lines where it is feasible to do so at low or no cost.
4 The implementation of additional modifications will be considered, provided those
5 modifications can be made at low or no cost and will not interfere with the operation of the
6 line. Duquesne Light's EMF program for this Amended Project is provided in the Safety
7 and Design Criteria Attachment 11 to the Amended Application.

8 The Brunot Island – Crescent 138 kV Transmission Line will be designed for a
9 minimum vertical ground clearance of 23 feet where feasible, which is greater than the
10 clearance required by the NESC, 2017 edition.

11 As explained above, the Brunot Island – Crescent 138 kV Transmission Line will
12 be designed as a double-circuit 138 kV transmission line.

13
14 **Q. In addition to applying the Electromagnetic Field Policy to the BI-Crescent Amended**
15 **Project, did Duquesne Light take any additional steps to study the potential for EMF**
16 **exposure as a result of this Amended Project?**

17 A. Yes, because EMF decreases significantly with distance from the source, any potential
18 EMF emitted by a new transmission line is highly localized. Duquesne Light therefore
19 first identified the point(s) in a new transmission line with highest potential for EMF
20 exposure. This point is usually a span with (i) lowest ground clearance, (ii) in densely
21 populated neighborhoods; and (iii) in close proximity to publically-accessible areas (such
22 as public sidewalks). An EMF study was conducted on select areas in the Amended Project
23 area to confirm that Duquesne Light's transmission lines have EMF levels that are under

1 the reference levels as indicated in the standards and guidelines listed in the previous
2 question.

3
4 **Q. Was an analysis comparing existing EMF calculations to prospective EMF**
5 **calculations under the configuration of the Brunot Island-Crescent 138 kV proposed**
6 **in the Amended Application conducted?**

7 A. Yes, select areas were selected and studied for EMF levels on the Amended Project.
8 Duquesne Light's BI-Crescent Project has EMF levels that are under the acceptable levels
9 as indicated in the standards and guidelines in the above paragraphs.

10

11 **Q. Does this complete your direct testimony?**

12 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues arise
13 during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY
COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter :
G, for Approval of the Siting and Construction of : Docket No. A-2019-3008589
the 138 kV Transmission Lines Associated with : Docket No. A-2019-3008652
the **Brunot Island – Crescent Project** in the :
City of Pittsburgh, McKees Rocks Borough, :
Kennedy Township, Robinson Township, Moon :
Township, and Crescent Township, Allegheny :
County, Pennsylvania :
:
:
:
:

VERIFICATION

I, Meenah Shyu, being the Manager of Civil Transmission Line Engineering at Duquesne Light Company hereby state that the facts set forth above 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, P.E., P.M.P.
Manager of Civil Transmission Line Engineering

Date: 08/10/2020

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-3008589
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008652
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 3A-R

**Written Rebuttal Testimony of
Meenah Shyu**

Topics Addressed: Design and Safety Features of the Project



1 **I. INTRODUCTION**

2 **Q. Please state your name, title, and business address.**

3 A. My name is Meenah Shyu, and I am the Manager of the Civil & Transmission Line
4 Engineering Group at Duquesne Light Company (“Duquesne Light” or the “Company”).
5 My business address is 2841 New Beaver Avenue Pittsburgh, PA 15233.
6

7 **Q. Have you previously submitted testimony in this proceeding on behalf of Duquesne
8 Light?**

9 A. Yes. On March 15, 2019, I submitted my direct testimony regarding the “Application of
10 Duquesne Light Company filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for
11 Approval of the Siting and Construction of the 138 kilovolt (“kV”) Transmission Lines
12 Associated with the Brunot Island-Crescent Project in the City of Pittsburgh, McKees
13 Rocks Borough, Kennedy Township, Robinson Township, Moon Township, and
14 Crescent Township, Allegheny County Pennsylvania” at Docket No. A-2019-3008589
15 (“BI-Crescent Project”). On October 10, 2019, I submitted rebuttal testimony
16 (“Duquesne Light Statement 3-R”). On August 10, 2020, I submitted amended direct
17 testimony (“Duquesne Light Statement 3-A”).
18

19 **Q. What is the purpose of your rebuttal testimony?**

20 A. My testimony responds to certain issues related to specific design and safety features
21 associated with the BI-Crescent Project, which were raised by the Allegheny County
22 Sanitary Authority (“ALCOSAN”) in its written direct testimony submitted on December
23 9, 2020 sponsored by Michael Lichte, P.E. and by Protestants at the telephonic hearing on
24 December 21, 2020. Specifically, I will respond to ALCOSAN’s concerns regarding the

1 BI-Crescent Project’s proposed design, including the existing and proposed transmission
2 infrastructure near ALCOSAN’s existing and proposed wastewater facilities in the
3 Chartiers Creek and Sheraden Park areas. I also respond to the safety of the existing
4 structure and proposed replacement tower on or near Protestant Richard I. Gable’s
5 property as it relates to recent landslides in the BI-Crescent Project area, and to Protestant
6 Dennis Zona’s concerns related to viewshed impacts.

7
8 **Q. How is your rebuttal testimony organized?**

9 A. Section II of my rebuttal testimony provides an overview of Duquesne Light’s efforts to
10 coordinate the location of facilities associated with the BI-Crescent Project with
11 ALOCSAN, and generally responds to the requirements proposed in ALOCSAN’s direct
12 testimony. Section III more specifically addresses Company’s proposed design for the
13 BI-Crescent Project, and responds to ALCOSAN’s concerns related to the proposed and
14 existing electric infrastructure on and near Chartiers Creek. Section IV of my rebuttal
15 testimony addresses Company’s proposed design for the BI-Crescent Project, and
16 responds to ALCOSAN’s concerns related to the proposed and existing electric
17 infrastructure on and near Sheraden Park. Section V of my testimony summarizes and
18 responds to design and safety concerns made by one or more Protestants at the telephonic
19 hearing on December 21, 2020. I will note that Duquesne Light witness Lesley Gannon
20 (Duquesne Light St. 4A-R) will respond to ALCOSAN’s concerns about easement
21 impacts near Chartiers Creek and/or Sheraden Park, and Duquesne Light witness Jason
22 Hartle (Duquesne Light St. 5A-R) will respond to outreach, communication, and
23 coordination with ALCOSAN. Throughout the course of this Project, Duquesne Light

1 has been committed to working with ALCOSAN. Duquesne Light has provided the
2 information that ALCOSAN has requested through Discovery Requests on October 22,
3 2020. On November 11, 2020, Duquesne Light provided the requested civil engineering
4 drawings of access roads, proposed and existing structure locations, as well as foundation
5 depth information. The Project is currently at 90% design completion and Duquesne
6 Light has provided all 90% preliminary designs related to ALCOSAN's proposed
7 facilities. Construction in this area is anticipated to begin in the fall of 2023. Although
8 Duquesne Light does not have ALCOSAN's 90% drawings nor their tentative
9 construction schedule, Duquesne Light is committed to working with ALCOSAN to
10 ensure the design and construction schedules of both projects move forward smoothly.

11
12 **Q. Are you sponsoring any exhibits with your rebuttal testimony?**

13 A. Yes, I am sponsoring Duquesne Light Exhibits MS-1, MS-2, MS-3, and MS-4. I will also
14 refer to Attachment 11 of the Full Siting Application.

15
16 **II. OVERVIEW OF ALCOSAN'S DIRECT TESTIMONY REGARDING**
17 **DUQUESNE LIGHT'S BI-CRESCENT PROJECT**

18 **Q. Have you had an opportunity to review the direct testimony of ALCOSAN witness**
19 **Mr. Lichte?**

20 A. Yes.

21
22 **Q. Please describe the concerns ALCOSAN has raised regarding the Company's BI-**
23 **Crescent Project.**

1 A. Mr. Lichte states that ALCOSAN has existing and planned facilities located in the
2 vicinity of the Company's planned transmission route. ALCOSAN St. 1 at 3. Mr. Lichte
3 further states that Duquesne Lights proposed transmission facilities "may have" an
4 adverse impact on ALCOSAN's existing and planned wastewater facilities, if the
5 Amended Application is approved without modification. ALCOSAN St. 1 at 3.

6

7 **Q. At any point in Mr. Lichte's testimony does he affirmatively state that the Proposed**
8 **Route for the BI-Crescent Project will adversely impact ALCOSAN's existing or**
9 **planned facilities?**

10 A. No. Although Mr. Lichte raises concerns regarding the proposed route throughout his
11 testimony, he does not go beyond saying that Duquesne Light's proposed route and the
12 associated facilities "may" adversely impact ALCOSAN's wastewater facilities. I
13 specifically note that Mr. Lichte confirms the speculative nature of his concerns when he
14 testifies that ALCOSAN has not finalized their engineering plans for the projects and has
15 not determined the exact location of future facilities. ALCOSAN St. 1 at 8. Duquesne
16 Light's design, which is 90% complete, is in close proximity to ALCOSAN's existing and
17 planned facilities, but with appropriate construction techniques the BI-Crescent Project is
18 unlikely to impact ALCOSAN's existing or planned facilities.

19

20 **Q. Why is it important for the Commission to recognize that ALCOSAN has not**
21 **finalized the engineering plans associated with their respective projects that are the**
22 **subject of Mr. Lichte's testimony?**

1 A. It is important to recognize this fact because, until the engineering plans are finalized, it
2 is not possible to know whether ALCOSAN’s facilities may be adversely impacted.
3 Importantly, the potential for changes in the design and construction of contemplated
4 facilities is not an abnormal occurrence in the context of public utility construction
5 projects. Duquesne Light actively engages with other nearby public utilities throughout
6 the design and construction phases of its projects—as it has with ALCOSAN—in order to
7 coordinate the safe and reasonable location of public utility facilities. However, this is an
8 ongoing process. Mr. Lichte appears to recognize the ongoing nature of this process, but
9 essentially asks Duquesne Light to be required to locate its facilities (*i.e.*, the location of
10 which have not been finalized) based upon the possible future location of ALCOSAN
11 facilities (*i.e.*, the location of which have also not been finalized). This is not a reasonable
12 or practical request.

13
14 **Q. Does another Duquesne Light witness describe the Company’s efforts to coordinate
15 with ALCOSAN to date, regarding the BI-Crescent Project?**

16 A. Yes. Duquesne Light witness Mr. Jason Hartle describes the Company’s coordination
17 efforts in his rebuttal testimony, Duquesne Light St. No. 5A-R.

18
19 **Q. At this time, has ALCOSAN provided Duquesne Light with sufficient information
20 to understand how the proposed route and location of facilities associated with the
21 BI-Crescent Project will impact ALCOSAN’s existing or planned facilities around
22 Chartiers Creek or Sheraden Park?**

1 A. With respect to ALCOSAN's existing facilities near Chartiers Creek and Sheradan Park,
2 we have received preliminary designs, but only at 20% status. At this time, Duquesne
3 Light does not have sufficient information to understand the impacts that ALCOSAN has
4 on Duquesne Light's proposed facilities. Duquesne Light also understands that utility
5 designs may change throughout the course of the design phase and that ALCOSAN's
6 90% designs would be desired to understand whether there would be impacts most likely
7 to occur to Duquesne Light's facilities. Duquesne Light will need proposed coordinates
8 of manholes, final route of the pipe, diameter of pipe, and depth of pipe to determine if
9 ALCOSAN's proposed facilities near Chartiers Creek or Sheraden Park will be impacted
10 by the BI-Crescent Project. As previously mentioned, Duquesne Light's facilities are
11 90% designed and the proposed locations of the BI-Crescent structures are not anticipated
12 to change.

13 In addition, Duquesne Light has performed preliminary and final design One-
14 Calls to verify existing utilities will not be impacted. Any individual, including utilities,
15 must perform design One-Calls and construction One-Calls related to excavating.
16 Duquesne Light is not aware of design One-Calls made by ALCOSAN to indicate their
17 plans to excavate in the area near Duquesne Light's existing assets.

18 I respond in greater detail to the concerns raised by Mr. Lichte about
19 ALCOSAN's planned and existing facilities around Chartiers Creek in Section III, below.
20 I respond in greater detail to the specific concerns raised by Mr. Lichte about
21 ALCOSAN's existing facilities around Sheraden Park in Section IV, below.
22

1 **Q. Does Duquesne Light regularly re-evaluate and update the preliminary engineering**
2 **design of its transmission line projects, if it is necessary to do so?**

3 A. Yes, Duquesne Light regularly evaluates and updates the preliminary engineering design
4 of its transmission line projects throughout the course of each project. Typically,
5 Duquesne Light hires expert transmission line engineering consultants to design these
6 projects. Throughout the course of the design process, Duquesne Light and the consultant
7 meet specifically to discuss design details, for example at a 30% design completion, 60%
8 design completion, and 90% design completion. These meetings are in addition to
9 regularly scheduled design meetings to discuss any construction methods, design details
10 and potential modifications. It is necessary for Duquesne Light to review and understand
11 that the design meets industry standard codes before going into construction.

12
13 **Q. Does the design of the BI-Crescent Project comply with all applicable NESC safety**
14 **codes or regulations?**

15 A. Yes, all NESC Codes must be met. The NESC Rules that are applicable and relevant to
16 the Duquesne Light facilities addressed by ALCOSAN, include (but are not limited to):

- 17 • NESC Rule 232B1 for vertical clearances to grade for 138 kV is 20.6ft
- 18 • NESC Rule 234B2 for vertical clearances to a building for 138 kV is 6.6ft.
- 19 • NESC Rule 234B1a for horizontal clearances to a building for 138 kV during at
20 rest conditions is 9.6ft.
- 21 • NESC Rule 234B1b for horizontal clearance to a building for 138 kV during wind
22 displacement is 6.6ft + NESC 6psf blowout.

23

1 **Q. Does the design of the BI-Crescent Project comply with any safety codes more**
2 **stringent than the NESC?**

3 A. Yes, the BI-Crescent Project complies with Duquesne Light's current design practices
4 and criteria that are more stringent than the NESC. For example, to account for any slight
5 changes during construction that would change clearances slightly, the BI-Crescent
6 Project's design has all NESC required clearances increased by 10%. Please refer to
7 Attachment 11 of the Full Siting Application for further details. Duquesne Light also
8 adheres to Occupational Safety and Health Administration ("OSHA") regulations on
9 electrical safety.

10

11 **Q. To be clear, does the design of the BI-Crescent Project and the associated facilities**
12 **violate any accepted industry standards for the location and construction of electric**
13 **transmission facilities?**

14 A. No, the design of the proposed BI-Crescent Project and the associated facilities do not
15 violate the NESC, which is an industry standard code.

16

17 **Q. Do you agree with Mr. Lichte's proposal that the Commission should condition**
18 **approval of the Amended Application upon Duquesne Light siting its transmission**
19 **line "in a manner that does not interfere with ALCOSAN's existing wastewater**
20 **facilities or ALCOSAN's planned facilities?" ALCOSAN St. 1 at 13.**

21 A. Duquesne Light is already committed to siting and constructing its utility facilities in a
22 manner that does not interfere with other public utility's facilities. As such, Mr. Lichte's
23 requested condition upon approval of the BI-Crescent Project is unnecessary and

1 redundant. Importantly, as described above, ALCOSAN's engineering designs for
2 proposed facilities are not yet finalized. As such, it is unreasonable to ask Duquesne
3 Light to specifically commit to engineering design criteria that may or may not ultimately
4 impact the ALCOSAN's facilities. Rather than adopt the requirement proposed by Mr.
5 Lichte, Duquesne Light submits that it is more reasonable for the parties to commit to
6 continue collaborative efforts to design and locate their respectively contemplated
7 projects. As explained in the rebuttal testimony of Duquesne Light witness Mr. Jason
8 Hartle (Duquesne Light St. No. 5A-R), the Company looks forward to continuing its
9 coordination efforts with ALCOSAN.

10
11 **Q. What is the significance of the BI-Crescent Project being at 90% design?**

12 A. At 90% design, Duquesne Light cannot make any significant changes without delaying
13 the construction schedule or increasing Project costs. At this point, the proposed
14 structure locations are defined, the foundations are designed and construction prints have
15 been finalized. Being at 90% design means that the Project is in its final review phase
16 before beginning construction.

17 For most replacement structures throughout the 14.5 mile line, most structures
18 will either be located inside the base of the existing structure or be located approximately
19 20 to 30 feet from the existing structure location, yet still on the centerline. Duquesne
20 Light is not making any significant changes in location between the existing and
21 proposed facilities, but Duquesne Light is making reasonable design decisions for
22 constructability and reliability purposes. This includes the areas of ALCOSAN's interest
23 mentioned in Mr. Lichte's testimony.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

III. REBUTTAL TO OVERLAP BETWEEN DUQUESNE’S EXISTING OR PROPOSED FACILITIES WITH ALCOSAN’S EXISTING OR PLANNED FACILITIES AROUND CHARTIERS CREEK

Q. Please describe the existing electric infrastructure on Parcels 43-L-130 and 43-L-150, near Chartiers Creek.

A. There are currently no existing facilities on the parcels mentioned. Please refer to Duquesne Light Exhibit labeled MS-1 for civil engineering drawings in the area near parcels Parcels 43-L-130 and 43-L-150, near Chartiers Creek.

Q. Please describe the proposed electric infrastructure related to the BI-Crescent Project on Parcels 43-L-130 and 43-L-150, near Chartiers Creek.

A. There are no proposed structures or access roads on the parcels mentioned, but the proposed lines will cross aerially over the southeast corner of the 43-L-130 parcel. See Duquesne Light Exhibit MS-1.

Q. Please respond to Mr. Lichte’s assertion that the BI-Crescent Project will potentially overlap with ALCOSAN’s proposed facilities on Parcels 43-L-130 and 43-L-150.

A. Duquesne Light’s BI-Crescent Project involves installing a double circuit 138 kV line in close proximity to Duquesne Light’s existing infrastructure. There are currently no existing or proposed structures on Parcels 43-L-130 or 43-L-150. As proposed, the Project involves an aerial crossing of two 138kV lines on a small portion of the southeast corner of parcel 43-L-130. The proposed line and structures were designed based on One-Call information to avoid potential impacts.

1 Based on the proposed plans, the overhead wires on parcel 43-L-130 will run
2 above planned ALCOSAN underground pipe.

3
4 **Q. Please respond to Mr. Lichte's assertion that the proposed BI-Crescent Project will
5 overlap with ALCOSAN's proposed Tunnel Boring Machine Construction.**

6 A. The proposed overhead wires will run above the ALCOSAN underground pipe.
7 Clearances for the proposed line during the maximum operating temperature will be 20.6
8 feet at minimum, which meets the NESC Code. However, clearances will be higher
9 during normal operations when the temperature is lower. ALCOSAN will have to follow
10 clearances to overhead energized lines for approach distances of unqualified workers and
11 machinery as indicated by OSHA Regulations during the construction of the line. As of
12 date, Duquesne Light does not have detailed construction information from ALCOSAN
13 to assess whether construction activities would be in conflict. Duquesne Light's existing
14 facilities are currently energized and in operation, which means that ALCOSAN would
15 always have had to coordinate with Duquesne Light as needed on these activities.

16
17 **Q. Mr. Lichte specifically states that ALCOSAN's Tunnel Boring Machine
18 Construction project will involve the use of "huge cranes" other excavation
19 equipment. ALCOSAN St. 1 at 10-11. Will Duquesne Light's facilities impact
20 ALCOSAN's use of this equipment?**

21 A. ALCOSAN will have to adhere to OSHA clearances to energized lines with equipment
22 and unqualified workers as indicated by OSHA Regulations. It would be required for
23 ALCOSAN to adhere to OSHA clearances to energized lines for the proposed line as well

1 as the existing line, which is currently energized and in operation. As such, ALCOSAN is
2 in no different position with respect to its Tunnel Boring Machine Construction project
3 today than it will be if the proposed structures associated with the BI-Crescent Project are
4 constructed; in either case ALCOSAN will have to adhere to OSHA clearances. I also
5 note that the proposed line will have increased clearances compared to the existing line,
6 which will provide more clearance and flexibility for construction work of other utilities
7 in the area.

8
9 **Q. Mr. Lichte further claims that “the ability of ALCOSAN to carry out its
10 construction depends on the exact siting of Duquesne’s transmission lines within its
11 easement.” ALCOSAN St. 1 at 11. Please respond.**

12 A. The Duquesne Light proposed structure locations are near final design and coincide with
13 PA One-Call data that was provided to Duquesne Light. Duquesne Light cannot further
14 define impacts to ALCOSAN’s proposed facilities when ALCOSAN’s design is not near
15 completion.

16
17 **IV. REBUTTAL TO OVERLAP BETWEEN DUQUESNE’S EXISTING OR
18 PROPOSED FACILITIES WITH ALCOSAN’S EXISTING OR PLANNED
19 FACILITIES AROUND SHERADEN PARK**

20 **Q. Please describe the existing electric infrastructure on Parcel 43-P-1-0-1, near
21 Sheraden Park.**

22 A. There are a total of five existing structures on parcel 43-P-1-0-1 that were installed in
23 1978. Duquesne Light is willing to provide ALCOSAN with the structure heights and
24 foundation depths for the existing structures as may be necessary to facilitate the safe and
25 timely construction of each utility’s projects.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

Q. Please respond to Mr. Lichte’s assertion that the existing Duquesne Light facilities currently lay atop ALCOSAN’s existing facilities on Parcel 43-P-1-0-1, near Sheraden Park.

A. The existing structures are currently located overtop of ALCOSAN lines, but are not interfering. The transmission line also aerially crosses over the existing underground ALCOSAN facilities in various places along parcel 43-P-1-0-1. Please refer to the Exhibit labeled MS-2 for civil engineering drawings in the area near parcel 43-P-1-0-1, near Sheraden Park.

Q. Please describe the BI-Crescent Project’s proposed electric infrastructure on Parcel 43-P-1-0-1, near Sheraden Park.

A. As previously mentioned, there are five existing structures on parcel 43-P-1-0-1 that were installed in 1978. Two existing structures (6636 & 6637) will remain on this parcel and are not part of the BI-Crescent project. However, as a part of the BI-Crescent Project, the Company is proposing to replace three of the five existing structures on parcel 43-P-1-0-1 (6873, 6874, and 6875) with steel monopoles. The proposed foundation depths for the proposed monopoles were designed based on the flood plain elevation and the soil data parameters that were used from the soil borings. The heights for proposed structures 6873, 6874, and 6875 are approximately 148, 147, and 140ft above grade, respectively. The new monopoles are being installed to meet NESC clearances with the 795 ACSS/TW conductor. Construction necessary for the three structure replacements is currently scheduled for the fall of 2023.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30

Q. How did Duquesne Light design the Project’s proposed electric infrastructure on Parcel 43-P-1-0-1, near Sheraden Park?

A. The proposed line and structure locations for Parcel 43-P-1-0-1 were designed based on PA One-Call information to avoid potential impacts with new structure locations. Proposed access roads will be built at ground surface and will be improved to help accessibility during construction and will be restored to approximate existing contours. Timber matting and air bridges are planned in areas where an underground sanitary line is located to help disperse any point loading on ALCOSAN’s facilities.

Using the Pennsylvania One-Call system, the typical construction practice is to submit a design One-Call application during the design phase in order to identify underground conflicts and a construction One-Call application prior to excavation activities. Duquesne Light is committed to following the PA One-Call system and working with customers and other utilities to identify underground lines and ensure safe construction practices. A timeline of PA One-Calls made by Duquesne Light during the design phase near Sheraden Park is shown below:

- 5/30/2019 – Preliminary Design One-Call
 - PA One Call Ticket # 20191503128 – Duquesne Light received a response e-mail from ALCOSAN on 6/13/2019, which contained an interceptor sewer plan and depth profile extending from approx. W. Carson Street to approx. Chartiers Creek existing west of Duquesne Light structure (“Str.”) 3.
 - PA One Call Ticket # 20191503128 – Duquesne Light received a response from Pittsburgh Water & Sewer Authority (“PWSA”) on June 13, 2019, which contained a representation of sewer collector lines in the immediate vicinity of the intersection of Youghiogheny St and Wind Gap Ave only.
 - PA One Call Ticket # 20191503130 – Duquesne Light received a response e-mail from ALCOSAN on June 13, 2019, which contained an interceptor sewer plan and depth profile in area of Chartiers Creek west of Duquesne Light Str 3.
 - PA One Call Ticket # 20191503131 – Duquesne Light received a response from PWSA on August 31, 2020, which contained a representation of sewer collector

1 lines in the vicinity of the intersection of Youghioghenny St and Wind Gap Ave
2 only. This response included similar mapping as to what was received in response
3 to Ticket # 20191503128.
4

- 5 • 8/21/2020 – Final Design One-Call
 - 6 ○ PA One Call Ticket # 20202340592 – Duquesne Light received a response e-mail
7 from ALCOSAN on 9/10/2020, which contained an interceptor sewer plan and
8 depth profile extending from approx. W. Carson Street to approx. Chartiers Creek
9 existing west of Duquesne Light Str 3.
 - 10 ○ PA One Call Ticket # 20202340599 – Duquesne Light received a response from
11 PWSA on August 31, 2020, which contained a representation of sewer collector
12 lines extending from approx. W. Carson Street to approx. Chartiers Creek existing
13 west of Duquesne Light Str 3.
 - 14 ○ PA One Call Ticket # 20202340600 – ALCOSAN responded to this ticket on
15 09/05/20 with a design conflict, but did not provide any additional mapping.
16

17 **Q. Mr. Lichte claims that ALCOSAN has not been provided detailed foundation plans**
18 **and that it has structural concerns with Duquesne Light’s proposed use of**
19 **foundations or pads. ALCOSAN St. 1 at 12-13. Please respond.**

20 A. Duquesne Light has provided the proposed foundation depths to ALCOSAN, and
21 Duquesne Light does not expect that the foundations will impact ALCOSAN’s facilities.
22 The proposed foundation depths are not proposed to change. Moreover, the proposed
23 foundations have been designed with the use of boring logs and a drilled caisson will be
24 installed, which is an industry standard for monopole structures.
25

26 **V. REBUTTAL TO CRITICISMS OF DESIGN AND SAFETY FEATURES RAISED**
27 **BY PROTESTANT(S)**

28 **Q. Did you describe the primary design features of the BI-Crescent Project in your**
29 **direct testimony?**

30 A. Yes. On pages 3 to 5 of my direct testimony (Duquesne Light St. 3), I describe the
31 engineering design of the Project and also provide an overview of the typical structures
32 used in the project. In addition, I sponsored Attachment 11 to the initial Application,

1 which is the Duquesne Light Company Engineering Design Criteria, Electromagnetic
2 Field Policy and Application, and Safety Practices.

3
4 **Q. Do any of the Protestants raise concerns regarding the design features of the BI-**
5 **Crescent Project?**

6 A. Yes. Mr. Gable raises concerns about the depth of the foundation proposed for
7 replacement tower on his property (Str. # 6950). Tr. 354-355. Mr. Zona raises concerns
8 about the structure type and viewshed impacts for the proposed Project. Tr. 349.

9
10 **Q. Please summarize Mr. Gable's testimony regarding the design features of the BI-**
11 **Crescent Project.**

12 A. Mr. Gable expresses concerns about landslides on or near his property, and allege the
13 landslides have already, or will, affect the existing tower located on his property or the
14 replacement tower on his property proposed as a part of the BI-Crescent Project. Tr. 354-
15 355. Mr. Gable asserts that the existing structure (Str. #83-84) "sits on a shelf of shale
16 and rock, and the State has already told me that the hill's been fractured." Tr. 354. He
17 further asserts that the proposed replacement monopole may not be safe because the
18 depth of the foundation required to support a monopole may further compromise the
19 rock. Tr. 354. Mr. Gable suggests that the existing structure's foundation is in suitable
20 condition and implies that replacement of the existing structure is not required. Tr. 354-
21 355.

1 **Q. Please respond to Mr. Gable’s assertion that the depth of the foundations for the**
2 **towers proposed in the BI-Crescent Project “could cause an adverse reaction” and**
3 **the proposed “pole could come down.” Tr. 354.**

4 A. Duquesne Light uses engineering data with expert geologists to make conclusions on the
5 soil characteristics of the proposed monopole - this includes the characteristics of the
6 rock. By collecting soil borings, which is an industry accepted practice, there is
7 sufficient information to make scientific assessments of the soil in order to design a
8 suitable foundation. Foundations can be made deeper and/or wider based on the soil data
9 characteristics collected.

10 Based on the data collected, the landslide occurred in an area where there was a
11 section of weathered rock that has been exposed to weather conditions for years, causing
12 fractures. However, the proposed foundation will be socketed to intact rock that has not
13 been exposed to weather conditions, located deep in the earth.

14
15 **Q. Please respond to Mr. Gable’s assertion that the existing structure and its**
16 **foundation is suitable. Tr. 354.**

17 A. The existing four foundations were constructed in 1936 as concrete pier foundations. The
18 proposed foundation will consist of one reinforced concrete foundation, which will be
19 able to withstand any surface movement and will be embedded in rock. This type of
20 foundation is a widely constructed and industry accepted method for foundation
21 construction. Duquesne Light does not have concerns with the soil data and foundation
22 design of the proposed structure.

23

1 **Q. Please describe prior landslides, if any, that have occurred on or near Mr. Gable's**
2 **property.**

3 A. There was one landslide near (but not on) Mr. Gable's property in January of 2020. The
4 landslide did not impact the foundations of the existing tower located on Mr. Gable's
5 property foundations. The landslide occurred on the opposite side of a deep ravine, away
6 from where the new foundation will be located. Duquesne Light does not anticipate that
7 the most current landslide would affect the proposed foundation.

8
9 **Q. Has Duquesne Light evaluated the integrity of its existing facilities since the**
10 **landslide in or around January 2020?**

11 A. Duquesne Light has increased the frequency of foot patrol and helicopter inspections in
12 order to maintain the existing BI-Crescent Transmission Line until the proposed BI-
13 Crescent Transmission can be constructed. During a foot patrol inspection, a visual
14 inspection is made from the ground. Foundation conditions, steel member conditions, and
15 connection conditions are assessed and pictures are taken. During a helicopter inspection,
16 a person conducts visual inspection aurally. The conductor condition, insulator hardware
17 conditions, steel member conditions, and connection conditions are assessed and pictures
18 are taken.

19
20 **Q. Has Duquesne Light evaluated the BI-Crescent Project, and specifically the**
21 **proposed replacement tower on Mr. Gable's property, since the landslide in or**
22 **around January 2020?**

1 A. The proposed structure on Mr. Gable's property will have a foundation that will
2 withstand surface movement. The proposed foundation will be embedded in 13 feet of
3 soil and affixed to 17 feet of rock, providing a stable design. The recent landslide activity
4 around does not impact the proposed design, which already accounts for the soil
5 characteristics into the foundation design.

6

7 **Q. To be clear, do the recent landslide events pose a risk to the existing or replacement**
8 **transmission facilities on or near Mr. Gable's property?**

9 A. No, recent surface movements do not pose a risk to the replacement transmission
10 facilities. For the replacement transmission facilities, the soil boring data collected,
11 included with my testimony as Duquesne Light Exhibits MS-3 and MS-4, provides
12 detailed information in order to design a suitable foundation for the proposed facility.
13 The proposed foundation will be embedded deep into the soil and affixed to rock,
14 providing a stable design.

15

16 **Q. Please summarize Mr. Zona's testimony regarding the design features of the BI-**
17 **Crescent Project.**

18 A. Mr. Zona expresses concerns about the existing lattice tower near his property and
19 recommends it be replaced with same height monopole with two side circuit arrangement
20 rather than single stacked structure. Tr. 349. Mr. Zona believes that the viewshed in his
21 neighborhood will be impacted by monopole in the proposed vertically stacked
22 arrangement. Tr. 349.

1 **Q. Please respond to Mr. Zona’s assertion that the existing structure be replaced with a**
2 **monopole of the same height. Tr. 349.**

3 A. The existing BI-Crescent transmission line was built in 1914 as a 69kV line and upgraded
4 as 138kV in 1964. The lines were built according to the NESC in effect at that time.
5 However, the NESC Code has changed and increased its requirements over the years.
6 Because of these changes, all heights and clearances must be increased for Duquesne
7 Light to meet the requirements of newest edition of the National Electric Safety Code.
8 Replacing the existing structure with a monopole of the same height would create
9 violations in the NESC Code, newest edition. Some of the NESC Rules that apply to Mr.
10 Zona’s property, include (but are not limited to):

- 11 • NESC Rule 232B1 for vertical clearances to grade for 138 kV is 20.6ft
- 12 • NESC Rule 234B2 for vertical clearances to a building for 138 kV is 6.6ft.
- 13 • NESC Rule 234B1a for horizontal clearances to a building for 138 kV during at
14 rest conditions is 9.6ft.
- 15 • NESC Rule 234B1b for horizontal clearance to a building for 138 kV during
16 wind displacement is 6.6ft + NESC 6 pounds per square feet (“psf”) blowout.
- 17 • NESC Rule 235C for phase to phase vertical clearance for 138kV anywhere
18 along the span for 138 kV is 5.2ft.
- 19 • NESC Rule 235C for phase to support vertical clearance on 138 kV is 5.9ft.

20
21 **Q. Please respond to Mr. Zona’s assertion that the existing structure be replaced by a**
22 **monopole with horizontally stacked circuits. Tr. 349.**

23 A. The proposed BI-Crescent transmission line with the stacked circuits is designed to limit
24 the blowout of the line as defined by the NESC as 6 psf. By staying in the horizontally

1 stacked configuration, this blowout would become greater compared to a stacked
2 configuration.

3
4 **Q. Please respond to Mr. Zona's concerns regarding the impact the Project will have
5 on his neighborhood.**

6 A. The existing BI-Crescent Transmission Line has existed since 1914 and has been part of
7 the neighborhood since the neighborhood's creation. The proposed BI-Crescent
8 Transmission Line will replace that existing line. Any impacts from construction
9 activities will be temporary in nature and the finished BI-Crescent Transmission line will
10 not require maintenance as frequently. In terms of viewshed, the new monopole will be of
11 a weathering steel material, which will blend into the surrounding environment. In
12 addition, although the monopoles will increase structure height, they will have a smaller
13 base footprint compared to the existing structures. In this regard the new monopoles will
14 diminish certain impacts associated with the current lattice steel structures, which are
15 wider and shinier and, therefore, do not blend well into the surrounding environment.

16
17 **Q. Does this complete your rebuttal testimony?**

18 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues
19 arise during the course of this proceeding.

Duquesne Light Exhibit MS-1

Duquesne Light Exhibit MS-2

Duquesne Light Exhibit MS-3



Civil & Environmental Consultants, Inc.
4000 Triangle Lane, Suite 200
Export, Pennsylvania 15632

BORING NUMBER BIC-83-1

PAGE 1 OF 2

CLIENT Duquesne Light Company	PROJECT NAME Brunot Island to Crescent Transmission Circuit - Phase II
PROJECT NUMBER 183-074	PROJECT LOCATION Allegheny County, PA
DATE STARTED 5/31/19	COMPLETED 5/31/19
DRILLING CONTRACTOR Test Boring Services, Inc.	GROUND ELEVATION 907 ft
DRILLING METHOD HSA, SPT & NQ-Core	BACKFILL Auger Cuttings
CEC REP EK	CHECKED BY KAQ
NOTES 40.54437214, -80.21989063	WATER LEVELS:
	BEFORE CORING --- / Dry
	▼ AT END OF DRILLING 14.2 ft / Elev 892.8 ft
	24hrs AFTER DRILLING --- / Backfilled Immediately

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	▲ SPT N VALUE ▲			
								PL	MC	LL	
								20	40	60	80
								20	40	60	80
								□ FINES CONTENT (%) □			
								20	40	60	80
905		Topsoil - 4 in. Brown, Silty CLAY, Trace Gravel-Sized Rock Fragments, Trace Organics, Moist, Very Soft (COLLUVIAL SOIL) <i>Bag sample of auger cuttings obtained from approximately 0 to 12 ft.</i>	0	SS 1	80	1-1-1 (2)	1.5				
		Brown, Completely Weathered, Shaley SANDSTONE, Some Clay, Very Soft (WEATHERED ROCK)	5	SS 2	100	7-12-16 (28)					
900		Brown, Trace Dark Brown, Completely Weathered, Clayey SHALE, Very Soft (WEATHERED ROCK)	10	SS 3	100	10-14-13 (27)					
		Light Brown, Trace Orangish Brown, Completely Weathered CLAYSTONE, Very Soft (WEATHERED ROCK)	10	SS 4	100	12-7-7 (14)					
895		<i>Trace reddish brown and some shale encountered from approximately 12.0 to 12.8 ft.</i>		SS 5	100	21-50/0.3					50/0.3
		Grey LIMESTONE, Slightly to Highly Weathered, Broken to Very Broken, Hard to Soft (BEDROCK) <i>Slightly broken from approximately 13.9 to 14.4 ft.</i> (PINE CREEK LIMESTONE)	15	SS 6 NQ 1	100 93 (27)	50/0.1					50/0.1
890		Grey, Trace Orangish Brown, Shaley SANDSTONE, Completely to Highly Weathered, Very Broken to Broken, Soft to Medium Hard (BEDROCK) <i>Clay seam encountered from approximately 15.5 to 15.6 ft.</i>		NQ 2	100 (0)						
		<i>Clay seam encountered from approximately 19.3 to 19.4 ft.</i> (BUFFALO SANDSTONE)	20								
885		Grey, Trace Orangish Brown, Clayey SHALE, Highly to Completely Weathered, Broken to Very Broken, Very Soft to Soft (BEDROCK)		NQ 3	100 (0)						
		Grey to Reddish Brown CLAYSTONE, Highly to Completely Weathered, Broken to Very Broken, Very Soft (BEDROCK)	25								
880				NQ	100						

CEC CUSTOM LOG 183-074 FINAL BORING LOGS.GP.J CEC.GDT 8/22/19

(Continued Next Page)



Civil & Environmental Consultants, Inc.
 4000 Triangle Lane, Suite 200
 Export, Pennsylvania 15632

BORING NUMBER BIC-83-1

PAGE 2 OF 2

CLIENT Duquesne Light Company

PROJECT NAME Brunot Island to Crescent Transmission Circuit - Phase II

PROJECT NUMBER 183-074

PROJECT LOCATION Allegheny County, PA

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	▲ SPT N VALUE ▲						
								20	40	60	80			
		Grey to Reddish Brown CLAYSTONE, Highly to Completely Weathered, Broken to Very Broken, Very Soft (BEDROCK) <i>(continued)</i>	30	4	(0)									
875		Grey LIMESTONE, Slightly Weathered, Moderately to Slightly Broken, Hard (BEDROCK) <i>Broken from approximately 32.9 to 33.1 ft.</i> (BRUSH CREEK LIMESTONE)		NQ 5	100 (28)									
		Grey, Trace Brown, Clayey SHALE, Moderately to Highly Weathered, Broken to Very Broken, Soft to Very Soft (BEDROCK)	35											
870		Grey, Some Brown SANDSTONE, Trace Shale, Slightly to Moderately Weathered, Moderately Broken to Broken, Medium Hard to Soft (BEDROCK) <i>Slightly broken from approximately 37.0 to 37.8 ft.</i> (BUFFALO SANDSTONE)	40	NQ 6	100 (34)									
		Bottom of boring at 40.4 feet.												

CEC CUSTOM LOG 183-074 FINAL BORING LOGS.GPJ CEC.GDT 8/22/19



Civil & Environmental Consultants, Inc.
4000 Triangle Lane, Suite 200
Export, Pennsylvania 15632

BORING NUMBER BIC-83-2
PAGE 1 OF 1

CLIENT Duquesne Light Company
PROJECT NAME Brunot Island to Crescent Transmission Circuit - Phase II
PROJECT NUMBER 183-074
PROJECT LOCATION Allegheny County, PA
DATE STARTED 5/31/19 **COMPLETED** 5/31/19
GROUND ELEVATION 887 ft **BACKFILL** Auger Cuttings
DRILLING CONTRACTOR Test Boring Services, Inc.
WATER LEVELS:
DRILLING METHOD HSA and SPT **BEFORE CORING** --- / Not Applicable
CEC REP EK **CHECKED BY** KAQ **AT END OF DRILLING** --- / Dry
NOTES 40.54455812, -80.21968854 **24hrs AFTER DRILLING** --- / Backfilled Immediately

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	▲ SPT N VALUE ▲			
								PL	MC	LL	
								□ FINES CONTENT (%) □			
								20	40	60	80
885	Topsoil - 4 in.	Brown, Trace Dark Brown, Gravel-Sized ROCK FRAGMENTS, Some Clay, Moist, Very Loose (FILL)	0	SS 1	60	1-1-3 (4)	<0.5				
			5	SS 2	100	12-10-12 (22)					
880		Light Brown, Some Orangish Brown, Completely Weathered, Shaley CLAYSTONE, Very Soft (WEATHERED ROCK)		SS 3	100	32-27-34 (61)					
			10	SS 4	100	16-24-19 (43)					
875		Light Brown to Grey, Trace Reddish Brown, Completely to Highly Weathered CLAYSTONE, Very Soft (WEATHERED ROCK)		SS 5	100	12-15-24 (39)					
			15	SS 6	100	11-17-29 (46)					
870		Light Brown, Some Reddish Brown, Highly Weathered, Clayey SHALE, Soft (WEATHERED ROCK)		SS 7	100	22-50/0.1					50/0.1
			20	SS 8	100	27-50/0.3					50/0.3
		Bottom of boring at 21.8 feet.									

CEC CUSTOM LOG 183-074 FINAL BORING LOGS.GPJ CEC.GDT 8/22/19



Civil & Environmental Consultants, Inc.
4000 Triangle Lane, Suite 200
Export, Pennsylvania 15632

BORING NUMBER BIC-83-3
PAGE 1 OF 1

CLIENT Duquesne Light Company
PROJECT NAME Brunot Island to Crescent Transmission Circuit - Phase II
PROJECT NUMBER 183-074
PROJECT LOCATION Allegheny County, PA
DATE STARTED 6/3/19 **COMPLETED** 6/3/19
GROUND ELEVATION 862 ft **BACKFILL** Auger Cuttings
DRILLING CONTRACTOR Test Boring Services, Inc.
WATER LEVELS:
DRILLING METHOD HSA and SPT **BEFORE CORING** --- / Not Applicable
CEC REP EK **CHECKED BY** KAQ **AT END OF DRILLING** --- / Dry
NOTES 40.54386051, -80.22156835 **24hrs AFTER DRILLING** --- / Backfilled Immediately

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	▲ SPT N VALUE ▲		
								20	40	60
860		Orangish Brown CLAY, Some to Trace Gravel-Sized Rock Fragments, Trace Organics, Moist, Medium Stiff to Stiff (COLLUVIAL SOIL)	0	SS 1	100	2-2-4 (6)	1.5			
			5	SS 2	100	7-6-7 (13)	3.5			
855		Grey, Trace Brown, Highly to Completely Weathered SANDSTONE, Trace to Some Clay, Very Soft to Soft (WEATHERED ROCK) <i>Trace reddish brown encountered from approximately 6.0 to 7.5 ft.</i> (BUFFALO SANDSTONE)		SS 3	100	12-30-21 (51)				
			10	SS 4	100	50/0.4				50/0.4
850				SS 5	100	13-13-10 (23)				
		Bottom of boring at 15.4 feet.	15	SS 6	100	50/0.4				50/0.4

CEC CUSTOM LOG 183-074 FINAL BORING LOGS.GPJ CEC.GDT 8/22/19



Civil & Environmental Consultants, Inc.
4000 Triangle Lane, Suite 200
Export, Pennsylvania 15632

BORING NUMBER BIC-83-4
PAGE 1 OF 2

CLIENT Duquesne Light Company
PROJECT NAME Brunot Island to Crescent Transmission Circuit - Phase II
PROJECT NUMBER 183-074
PROJECT LOCATION Allegheny County, PA
DATE STARTED 6/3/19 **COMPLETED** 6/3/19
GROUND ELEVATION 918 ft **BACKFILL** Auger Cuttings
DRILLING CONTRACTOR Test Boring Services, Inc.
WATER LEVELS:
DRILLING METHOD HSA, SPT & NQ-Core **BEFORE CORING** --- / Dry
CEC REP EK **CHECKED BY** KAQ **AT END OF DRILLING** 42.1 ft / Elev 875.9 ft
NOTES 40.54371092, -80.22106363 **24hrs AFTER DRILLING** --- / Backfilled Immediately

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	▲ SPT N VALUE ▲			
								PL	MC	LL	
								20	40	60	80
								□ FINES CONTENT (%) □			
								20	40	60	80
915		Topsoil - 4 in. Orangish Brown CLAY, Some to Trace Gravel-Sized Rock Fragments, Moist, Medium Stiff (RESIDUAL SOIL) <i>Bag sample of auger cuttings obtained from approximately 0 to 9.4 ft.</i>	0	SS 1	100	4-2-5 (7)	1.5				
910		Light Brown, Trace Orangish Brown, Completely Weathered, Shaley CLAYSTONE, Very Soft (WEATHERED ROCK)	5	SS 2	100	10-30-36 (66)					
910		Grey and Brown, Completely Weathered, Shaley SANDSTONE, Very Soft (WEATHERED ROCK)		SS 3	100	35-50/0.4					50/0.4
905		Dark Grey, Trace Orangish Brown, Sandy SHALE, Trace Clay, Completely to Moderately Weathered, Very Broken to Broken, Very Soft to Medium Hard (BEDROCK)	10	SS 4 NQ 1	100 53 (0)	50/0.4					50/0.4
900			15	NQ 2	100 (0)						
900		Grey, Some Brown SANDSTONE, Trace Clay, Moderately to Highly Weathered, Broken to Very Broken, Medium Hard to Soft (BEDROCK) <i>Moderately broken from approximately 18.6 to 19.0 ft.</i>	20	NQ 3	100 (8)						
895		Grey CLAYSTONE, Completely to Highly Weathered, Very Broken to Broken, Very Soft (BEDROCK)	25	NQ 4	96 (0)						
890		Brown to Grey, Clayey SANDSTONE, Highly to Moderately Weathered, Broken to Very Broken, Soft to Medium Hard (BEDROCK)									

CEC CUSTOM LOG 183-074 FINAL BORING LOGS.GPJ CEC.GDT 8/22/19

(Continued Next Page)

Duquesne Light Exhibit MS-4



FIELD BORING LOG

BORING NO.	83-84
SHEET	1 OF 3
DATE: START	4/28/17
APPX. END	4/28/17
ELEV.	900.0

PROJECT NAME DLC: B.I. to Crescent T-Line Rebuild PROJECT NUMBER Allegheny County, PA
 STR. NO. 83-84 NORTHING 450683.513 EASTING 1282365.155 (As Staked Coordinates)

INSPECTOR Andrew Smeltzer

DRILLERS NAME/COMPANY Craig Hormel/Pennsylvania Drilling Company

EQUIPMENT USED CME 45C Track Rig with Automatic Hammer

DRILLING METHODS 3-1/4" Inside Diameter Hollow Stem Auger in conjunction with Standard Penetration Testing and NQ Wireline Coring

CASING: SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: _____ TIME: _____ DATE: _____

CHECKED BY: TCH DATE: 7/26/17 ; DEPTH: _____ TIME: _____ DATE: _____

NOT ENCOUNTERED

DEPTH (FT)	SAMPLE NO./TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (FT.)	RECOVERY (%)	RQD (%)	POCKET PENT/TORVANE (TSF)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0.0		1								Silty CLAY, trace sand, brown, hard [Fill]	Boring offset 18' ahead.
1.5	S-1	1	0.8'	-	4.75		cl		Dry		
3.0		1									
4.5	S-2	6	1.5'	-	4.5		cl		Dry	4.0	HIGHLY WEATHERED ROCK (Siltstone), tan, soft, highly weathered, laminated flat bedding, laminated flat fractures
6.0		5									
7.5	S-3	9	1.5'	-	-				Dry		
9.0		11									
10.5	S-4	35	1.5'	-	-				Dry		
11.9		45									
12.0	S-5	35	1.4'	-	-				Dry		
13.3		40									
13.3	S-6	15	1.3'	-	-				Dry	13.3	SILTSTONE, tan, soft, highly weathered, thin flat bedding, close flat to medium-steep fractures
16.5	R-1	50/0.4	3.2'		100						
16.5		40									
19.5	R-2	50/0.3	5.0'		100					19.5	

Note: Soil classification symbols above that are determined by visual observation are shown with lowercase letters (e.g. sm) while classification symbols determined by laboratory testing are shown in capital letters (e.g. SM).

FIELD BORING LOG

BORING NO.	83-84
SHEET	2 OF 3
DATE: START	4/28/17
APPX. END	4/28/17
ELEV.	900.0

PROJECT NAME DLC: B.I. to Crescent T-Line Rebuild PROJECT NUMBER Allegheny County, PA
 STR. NO. 83-84 NORTHING 450683.513 EASTING 1282365.155 (As Staked Coordinates)

INSPECTOR Andrew Smeltzer

DRILLERS NAME/COMPANY Craig Hormel/Pennsylvania Drilling Company

EQUIPMENT USED CME 45C Track Rig with Automatic Hammer

DRILLING METHODS 3-1/4" Inside Diameter Hollow Stem Auger in conjunction with Standard Penetration Testing and NQ Wireline Coring

CASING: SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: _____ TIME: _____ DATE: _____

CHECKED BY: TCH DATE: 7/26/17 ; DEPTH: _____ TIME: _____ DATE: _____

NOT ENCOUNTERED

DEPTH (FT)	SAMPLE NO./TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (FT.)	RECOVERY (%)	RQD (%)	POCKET PENT/TORVANE (TSF)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
21.5					0		-		-	CLAYSTONE, red to dark purple, very soft, highly weathered, no apparent bedding, close to medium spaced, shallow to steep fractures <i>(continued)</i>	
	R-3	-	5.0'	100		-			-		
26.5					0		-		-	SILTSTONE, grey-olive, hard to medium-hard, weathered, thin flat bedding, close shallow to steep fractures	
	R-4	-	5.0'	100		-			-		
31.5					0		-		-	SILTSTONE, blue-grey, hard, minor weathering, thin flat bedding, close to wide shallow to medium-steep fractures	
	R-5	-	5.0'	100		-			-		
36.5					50		-		-	SILTSTONE, blue-grey, hard, minor weathering, thin flat bedding, close to wide shallow to medium-steep fractures	
	R-6	-	5.0'	100		-			-		

Note: Soil classification symbols above that are determined by visual observation are shown with lowercase letters (e.g. sm) while classification symbols determined by laboratory testing are shown in capital letters (e.g. SM).

FIELD BORING LOG

BORING NO.	83-84
SHEET	3 OF 3
DATE: START	4/28/17
APPX. END	4/28/17
ELEV.	900.0

PROJECT NAME DLC: B.I. to Crescent T-Line Rebuild PROJECT NUMBER Allegheny County, PA
 STR. NO. 83-84 NORTHING 450683.513 EASTING 1282365.155 (As Staked Coordinates)

INSPECTOR Andrew Smeltzer

DRILLERS NAME/COMPANY Craig Hormel/Pennsylvania Drilling Company

EQUIPMENT USED CME 45C Track Rig with Automatic Hammer

DRILLING METHODS 3-1/4" Inside Diameter Hollow Stem Auger in conjunction with Standard Penetration Testing and NQ Wireline Coring

CASING: SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: _____ TIME: _____ DATE: _____

CHECKED BY: TCH DATE: 7/26/17 ; DEPTH: _____ TIME: _____ DATE: _____

NOT ENCOUNTERED

DEPTH (FT)	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (FT.)	RECOVERY (%) RQD (%)	POCKET PENT/ TORVANE (TSF)	USCS AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
41.5				44		-	-	SILTSTONE, blue-grey, hard, minor weathering, thin flat bedding, close to wide shallow to medium-steep fractures (<i>continued</i>)	
	R-7	-	5.0'	100	-	-	-		
46.5				84		-	-	- calcite deposits in steep fracture	
	R-8	-	5.0'	100	-	-	-	- steep vertical fracture approximately 3" wide	Loss of core water.
51.5				80		-	-		
	R-9	-	4.8'	96	-	-	-		
56.5				94		-	-	56.5	
								End of Boring at 56.5'	

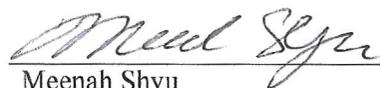
Note: Soil classification symbols above that are determined by visual observation are shown with lowercase letters (e.g. sm) while classification symbols determined by laboratory testing are shown in capital letters (e.g. SM).

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Meenah Shyu, Manager of the Civil & Transmission Line Engineering Group, hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).



Meenah Shyu
Manager of Civil & Transmission Line
Engineering Group

Date: January 21, 2021

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-_____
Subchapter G, for Approval of the Siting and :
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island-** :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 4

Written Direct Testimony of

Lesley Gannon

Topics Addressed: Right of Way Acquisition on the Project

1 **INTRODUCTION**

2

3 **Q. Please state your name and business address.**

4 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
5 Pittsburgh, PA 15233.

6

7 **Q. By whom are you employed and in what capacity?**

8 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as
9 the Senior Manager of Real Estate and Rights of Way. In my position, I am responsible
10 for managing all of the real estate-related acquisitions and divestitures for the Company.

11

12 **Q. What are your qualifications, work experience and educational background?**

13 A. I have been employed by Duquesne Light Company since 2013. In my current position, I
14 manage the Real Estate Department, which has one Real Estate Specialist, one Supervisor
15 of Survey and Right of Way, four surveying technicians, four right of way agents and a
16 clerk. The Real Estate Department was formed in late 2017, and I have been in my
17 current position for one year and 5 months. I am also Assistant Corporate Secretary for
18 the Company.

19 Prior to assuming my present position at Duquesne Light, I was Managing
20 Counsel, Commercial/General in the Company's Office of the General Counsel for 4
21 years and 9 months, in which position I managed all transactional work at the Company,
22 including any legal issues relating to real estate. Prior to being hired by the Company, I
23 performed similar work as contract counsel for the Company from May of 2008. From

1 2005 to 2013, in addition to representing the Company as set forth above, I managed my
2 law firm, Gannon Law Offices, which represented small and mid-sized businesses in the
3 Pittsburgh area in transactional and real estate matters. From 2001 to 2005, I was an
4 associate at Sherrard, German & Kelly, P.C. in their financial services and transactional
5 practice groups. Prior to 2001, I held various positions in the financial services industry.

6 I am an attorney licensed to practice law in the Commonwealth of Pennsylvania
7 since 2001. I graduated from Duquesne University School of Law in 2001 and was
8 admitted to the Pennsylvania Bar in 2001. I also hold a Bachelor of Arts in Business and
9 Communications from Carlow University.

10
11 **Q. What are your responsibilities in connection with the Brunot Island-Crescent**
12 **Project?**

13 A. The Company's Supervisor of Survey and Rights of Way, who is no longer with the
14 Company, worked with Burns and McDonnell to identify the parcel owners on and
15 adjacent to the proposed Project line, identify any areas in which the Company will
16 require new or enhanced rights-of-way for the Project, and acquire such rights of way. In
17 October 2017, the Company's Rights of Way and Survey groups came under the new
18 Real Estate Department and my supervision. The proposed Project involves the
19 replacement of infrastructure located on easements that had been in place for decades and
20 that were not reflective of modern electrical infrastructure easement requirements.
21 Therefore, the Company needed to acquire property rights on 122 properties along the
22 length of the proposed Project line. To do so, the Company engaged Burns and

1 McDonnell to serve as the Company's agent in the acquisition of the needed property
2 rights.

3

4 **Q. What is the purpose of your direct testimony in this proceeding?**

5 A. First, I will identify the portions of the above-captioned Siting Application that I am
6 sponsoring. Second, I will summarize our process for identifying new right-of-way
7 required for the Project and the property owners that would be affected. Third, I will
8 explain the process we employed to attempt to acquire rights of way and easements for
9 the Brunot Island-Crescent Transmission Line. Fourth, I will explain the Company's
10 policy regarding the property owner's use of the right-of-way area, and will provide
11 examples of measures the Company employs to mitigate the impacts of the Transmission
12 Lines on property owners' present and future uses of their properties. Fifth, I will explain
13 the status of our efforts to acquire the rights-of-way and easements needed for the
14 Project.

15

16 **Q. Please describe the portions of the Siting Application that you are sponsoring.**

17 A. I am responsible for Attachment 9, comprising a series of aerial survey maps that show
18 the owners of property that will be traversed by the proposed Brunot Island-Crescent
19 Transmission Line.

20

21 **Q. Please describe the Company's process for identifying the owners of property that**
22 **will be traversed by Project facilities.**

1 A. Starting in 2014, Company personnel and contractors researched the Project routes for
2 property owner names, property records, and mapping. They then collected boundary and
3 physical evidence from the field to determine or confirm property boundaries. Members
4 of my department prepared mapping for the contract right-of-way agents when they met
5 with the property owners to show them where the proposed right of way was being
6 requested.

7

8 **Q. Please explain the Company’s policy regarding dealing with owners of property to**
9 **be traversed by Project facilities.**

10 A. The Company’s policy regarding dealing with property owners is described in the
11 informational packet provided to property owners along the Proposed Route, included as
12 Attachment 13. Among other information, described in more detail below, this packet
13 provides that Duquesne Light representatives are to: act with integrity at all times; treat
14 everyone courteously and in a professional manner; be forthright and honest in all actions
15 and communications; comply with all laws and regulations; avoid any conflicts of
16 interest; accept responsibility for any actions or decisions; be good stewards of the
17 environment; and place a high priority on safety for the public, as well as Company
18 employees and representatives.

19

20 **Q. Did the Company provide information to owners of land that may be subject to a**
21 **right-of-way or easement for the Project?**

22 A. Yes. As mentioned above, prior to contacting property owners to negotiate right-of-way
23 agreements, the Company provided informational packets to notify property owners of

1 the Company's plans to negotiate to acquire rights of way and easements across their
2 land. This packet discloses to the property owner information including the name,
3 purpose, and general location of the Project; Duquesne Light's standards of employee
4 and agent conduct; and notices of eminent domain power and right-of-way management
5 practices; and also includes a permission form for landowners to grant Duquesne Light
6 access to their property.

7 This packet contains the notices required by the Pennsylvania Public Utility
8 Commission in its regulations at 52 Pa. Code § 57.91. The first notice discusses the
9 Company's power of eminent domain with respect to the Project, and the associated
10 rights of the property owner. The second notice provides information regarding the right-
11 of-way maintenance practices for the Project facilities. An example of this informational
12 packet is included as Attachment 13 to the Siting Application.

13 Additionally, the Company held public meetings on February 21, 2017, February 28,
14 2017, and March 2, 2017 at the Crescent Municipal Building, VFW Post 418 Hall in
15 McKees Rocks, and Kennedy Township Fire Department to provide information about the
16 Project to owners of property in the area. At this meeting, Company representatives
17 delivered informational presentations about the Project need, route, design, and
18 operational characteristics; answered questions from attendees; and provided
19 informational literature regarding property owner rights, eminent domain, and a
20 surveying permission form.

21
22 **Q. What does the Company do after providing the information and notices to property**
23 **owners?**

1 A. Pursuant to 52 Pa. Code § 57.91, the Company waits at least 15 days following
2 landowner's receipt of the informational packet provided in Attachment 13 to the Siting
3 Application. We then contact the property owner(s) via telephone or in person to
4 schedule a convenient time to meet so that we can explain the details of the Project and
5 answer any questions they may have. At such meeting, we usually make a monetary
6 offer to the property owner(s) for the right-of-way sought. The amount of the offer is
7 based on the fair market value of the property interests the Company wishes to acquire.

8
9 **Q. Please explain the Company's policy regarding the property owner's use of the**
10 **right-of-way area.**

11 A. Following the Company's acquisition of a right of way and easement, the property owner
12 can continue to use the right-of-way area, so long as such use is compatible with the safe
13 and reliable operation and maintenance of Company facilities. Compatible uses that
14 require no prior review or approval from the Company include farming and gardening.
15 The Company also allows compatible development within the right-of-way area,
16 provided that the design and work in the area does not interfere with the safe and reliable
17 operation and maintenance of Company facilities. Such uses can include: grading,
18 installation of roadways or parking lots, and installation of underground infrastructure
19 (such as utilities).

20
21 **Q. Please identify methods and/or examples the Company has worked with property**
22 **owners along the Proposed Route to mitigate effects of the Project on their present**
23 **and future land uses.**

1 A. The Proposed Route was tailored to the extent feasible to keep the existing transmission
2 line right-of-way throughout the siting process.

3

4 **Q. Please explain the status of the Company's efforts to acquire right-of-way and**
5 **easements for the Project.**

6 A. There are a total of 461 deeded properties along the Proposed Route, owned by a total of
7 391 property owners. The Company required additional easements from 122 property
8 owners for this Project. One hundred and twenty (120) of these easements have been
9 obtained.

10 The Company is separately filing for approval of the condemnation of rights of
11 way and easements across certain portions of one (1) parcel pursuant to Section 1511(c)
12 of the Business Corporation Law of 1988, 15 Pa.C.S. 1511(c). The Company is
13 continuing to pursue negotiations with all owners of the remaining properties along the
14 Proposed Route.

15

16 **Q. Does this complete your direct testimony?**

17 A. Yes.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter : Docket No. A-2019-3008589
G, for Approval of the Siting and Construction of :
the 138 kV Transmission Lines Associated with :
the **Brunot Island-Crescent Project** in the City :
of Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :

Application of Duquesne Light Company Under :
15 Pa.C.S. § 1511(c) For A Finding and :
Determination That the Service to be Furnished :
by the Applicant Through Its Proposed Exercise :
of the Power of Eminent Domain to Acquire a :
Certain Portion of the Lands of **George N.** :
Schaefer of Moon Township, Allegheny County, : Docket No. A-2019-3008652
Pennsylvania for the Siting and Construction of :
Transmission Lines Associated with the Proposed :
Brunot Island – Crescent Project is Necessary or :
Proper for the Service, Accommodation, :
Convenience, or Safety of the Public :

Duquesne Light Company

**Statement No. 4-R (A-2019-3008589)
Statement No. 1-R (A-2019-3008652)**

Written Rebuttal Testimony of

Lesley Gannon

**Topics Addressed: Right Of Way Acquisition
Landowner And Public Outreach
Notice Of Schaefer Condemnation Application**



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
4 Pittsburgh, PA 15233.

5
6 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light
7 Company (“Duquesne Light” or the “Company”)?**

8 A. Yes. On March 15, 2019, I submitted my direct testimony, Duquesne Light Statement
9 No. 4, relative to the “Application of Duquesne Light Company filed Pursuant to 52 Pa.
10 Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138
11 kV Transmission Lines Associated with the **Brunot Island-Crescent Project** in the City
12 of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon
13 Township, and Crescent Township, Allegheny County Pennsylvania” at Docket No. A-
14 2019-3008589 (“BI-Crescent Project”). I also submitted direct testimony, labeled
15 Duquesne Light Statement No. 1 (Schaefer), regarding the “Application of Duquesne
16 Light Company Under 15 Pa.C.S. § 1511(c) For A Finding and Determination That the
17 Service to be Furnished by the Applicant Through Its Proposed Exercise of the Power of
18 Eminent Domain to Acquire a Certain Portion of the Lands of **George N. Schaefer** of
19 Moon Township, Allegheny County, Pennsylvania for the Siting and Construction of
20 Transmission Lines Associated with the Proposed Brunot Island – Crescent Project is
21 Necessary or Proper for the Service, Accommodation, Convenience, or Safety of the
22 Public” at Docket No. A-2019-3008652 (“Schaefer Condemnation Application”).

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Q. What is the purpose of your rebuttal testimony?

A. My testimony responds to certain issues raised by several of the Protestants in their oral testimony at the September 10, 2019 lay witness hearing. Specifically, I will respond to the Protestants’ concerns regarding: (1) how the Company determined what right-of-way acquisitions were required for the project; (2) the Company’s interactions with and notices provided to landowners whose properties would be traversed by right-of-way associated with the project; (3) the Company’s public outreach efforts before the filing of the project; and (4) the Company’s efforts to identify and provide notice to potential holders of property interests in the property associated with the Schaefer Condemnation Application.

Q. How is the remainder of your rebuttal testimony organized?

A. Section II of my rebuttal testimony summarizes and responds to the Protestants’ concerns regarding the Company’s analysis and determination of what rights-of-way needed to be acquired for the Project. Importantly, as discussed in my direct testimony (Duquesne Light St. No. 4) much of the project is located on existing rights-of-way that are already traversed by Duquesne Light transmission facilities. Finally, Section III will address issues that arose regarding notice of the Schaefer Condemnation Application.

Q. Are you sponsoring any exhibits associated with your rebuttal testimony?

1 A. Yes. Included with my testimony are the following exhibits: (1) Duquesne Light Exhibit
2 LG-1, which depicts the location of the proposed facilities relative to the 306 Konter
3 Road property and the 205 Purdy Road property; (2) Duquesne Light Exhibit LG-2,
4 which depicts the location of existing transmission facilities right-of-way over the
5 original parcel (including the property located at 304 Konter Road) for which Duquesne
6 Light obtained an easement that will be used for the BI-Crescent Project; and (3)
7 Duquesne Light Exhibit LG-3, which depicts the location of the proposed facilities
8 relative to the 1123 Juanita Drive property.

9 In addition, specific to the Schaefer Condemnation Application, I am also
10 sponsoring Duquesne Light Exhibit LG-5 (Schaefer), which is the proof of publication of
11 notice by the Company in the Pittsburgh Post-Gazette regarding the BI-Crescent Project
12 and the Schaefer Condemnation Application.

13

14 **II. RIGHT OF WAY ACQUISITION**

15 **Q. Ms. Gannon, did you describe the Company’s right-of-way acquisition efforts in**
16 **your direct testimony?**

17 A. Yes.

18

19 **Q. Have any of the Protestants challenged the Company’s right-of-way acquisition**
20 **efforts in this proceeding?**

21 A. Yes. Mrs. Adams and Mrs. Crowe asserted that the Company has not obtained
22 necessary right-of-way with respect to the property located at 306 Konter Road. (See Tr.

1 77-78; 119-120) In addition, Mrs. Marinkovic asserted that Duquesne Light has not
2 obtained necessary rights-of-way with respect to her property located at 205 Purdy Road,
3 specific to the alleged enlargement of a private road. (Tr. 149-150) In addition, Mrs.
4 Crowe asserts that the Company has not obtained necessary right-of-way from properties
5 near her residence, located at 1123 Juanita Drive. (Tr. 125) Finally, Mrs. Wilson alleged
6 that the Company has not property obtain an easement for the section of right-of-way that
7 traverses her property at 9 McGovern Boulevard. (Tr. 168) I will respond to these
8 assertions below, based on the relative locations of these properties.

9
10 **A. PROPERTIES NEAR KONTER ROAD**

11
12 **Q. Please respond to Mrs. Adams' and Mrs. Crowe's assertions that the Company has**
13 **not obtained necessary rights-of-way regarding the 306 Konter Road property.**

14 A. Mrs. Adams' and Mrs. Crowes' assertion that Duquesne Light must obtain rights-of-way
15 from them to complete the BI-Crescent Project is incorrect. No existing Duquesne Light
16 transmission facilities traverse the property located at 306 Konter Road today and no
17 transmission facilities are planned to traverse this property as a part of the BI-Crescent
18 Project. As such, the Company does not need and does not intend to acquire any rights-
19 of-way to locate any transmission facilities associated with the BI-Crescent Project on the
20 property located at 306 Konter Road.

1 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
2 **of-way relative to the property located at 306 Konter Road?**

3 A. Again, none of the right-of-way or the associated facilities traverse this property. A map
4 depicting the location of these facilities is attached as Duquesne Light Exhibit LG-1. As
5 can be seen on the map, the edge of the easement acquired on Mr. Gable's property is
6 more than 650 feet from the closest property line of the parcel located at 306 Konter
7 Road.

8
9 **Q. What is the basis for Mrs. Adams' and Mrs. Crowe's assertions in this proceeding**
10 **that the Company must obtain an easement from them?**

11 A. Mrs. Adams and Mrs. Crowe believe that the Company must obtain an easement to use
12 Konter Road to access a construction road located on the property of Mr. Richard Gable,
13 their neighbor, located at 304 Konter Road. I note that the Company obtained an
14 easement from Mr. Gable in connection with the BI-Crescent Project in 2018 (*see* Tr.
15 140, 144-145; *see also* Exhibit Gable 4) and that the Company possesses an additional
16 easement associated with the existing transmission facilities right-of-way that will be
17 used for the BI-Crescent Project (as depicted in Duquesne Light Exhibit LG-2).

18
19 **Q. Is Duquesne Light required to obtain an easement to use Konter Road?**

20 A. I am advised by counsel that Duquesne Light is not. On November 14, 1914, Alpha
21 Light Company, predecessor-in-interest to Duquesne Light, purchased an easement from

1 Ebenezer and Susannah Worth and Samuel P. and Mary E. Worth across their
2 undeveloped property in Coraopolis (the "Worth Property"). This easement was
3 documented in an Indenture (the "Worth Agreement"), which is filed of record, and the
4 Worth Property and associated easement are depicted in Duquesne Light Exhibit LG-2.
5 The Worth Property was later subdivided into several parcels and Konter Road was
6 constructed; however, the Worth Agreement is still in the chain of title for all parcels
7 subdivided from the Worth Property and on Konter Road, including 304 Konter Road.
8 The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair,
9 renew and finally remove..." the electric transmission system and "*to enter upon said*
10 *premises at any time for said purposes*" (emphasis added). Because Konter Road is part
11 of the Worth Property, Duquesne Light has the right to utilize it to access its
12 infrastructure, including repairing and renewing that infrastructure.

13
14 **Q. Mrs. Adams and Mrs. Crowe also point to supposed plans to widen Konter Road as**
15 **a part of the Project. (Tr. 93-96; Exhibit Adams 16A) Please identify what Exhibit**
16 **Adams 16A is and explain what it depicts.**

17 A. Exhibit Adams 16A appears to be a depiction of boundary of the Worth Property, as
18 defined above, at the time the Worth Easement was acquired by Duquesne Light and of
19 which Konter Road was a part. There are no current plans to widen Konter Road, which
20 was part of the original Worth Property; however, there are ruts and holes in the road that
21 Duquesne Light will need to repair in order to drive construction vehicles on the road.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Q. Are Mrs. Adams and Mrs. Crowe correct that Duquesne Light intends to widen Konter Road as a part of the BI-Crescent Project?

A. No. Duquesne Light's current construction plans do not involve the widening of Konter Road; however, Duquesne Light will repair ruts and potholes in the road so that construction vehicles can utilize the road. Duquesne Light also plans to create a construction entrance to Mr. Gable's property, as permitted under Duquesne Light's agreement with Mr. Gable.

Q. Does the Company have the right to legally access Konter Road and conduct construction activities associated with the BI-Crescent Project?

A. Yes. As advised by counsel, the Worth Agreement is still in the chain of title for all parcels subdivided from the Worth Property, including the portion that is now Konter Road. The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair, renew and finally remove..." the electric transmission system and "to enter upon said premises at any time for said purposes" (emphasis added).

Q. Do Mrs. Adams and Mrs. Crowe raise any other issues regarding Duquesne Light's right-of-way acquisition activities with respect to 306 Konter Road?

A. Yes. Both Mrs. Adams and Mrs. Crowe assert that Duquesne Light, its employees and/or its agents: (1) have trespassed on this property (*see e.g.*, Tr. 74-75, 123); (2) have

1 harassed Mrs. Adams, Mrs. Crowe or other landowners during the course of right-of-way
2 acquisition activities (*see e.g.*, Tr. 82, 101-102); and (3) have not communicated with the
3 attorney retained by Mrs. Adams and Mrs. Crowe regarding 306 Konter Road (*see e.g.*,
4 Tr. 81-82).

5
6 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions that Duquesne Light is trespassing**
7 **on the property located at 306 Konter Road correct?**

8 A. No. The real property known as 306 Konter Road, Allegheny County Tax Parcel
9 Number 0701-L-00126-0000-00, is not impacted by the existing BI-Crescent Line nor by
10 the BI-Crescent Project. That parcel is also not impacted by any related Duquesne Light
11 construction plans or construction-related activities. I am unaware of any circumstance
12 in which Duquesne Light's agents or employees trespassed upon the parcel located at 306
13 Konter Road.

14
15 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions correct that Duquesne Light, its**
16 **employees or its agents have harassed Mrs. Adams, Mrs. Crowe or other**
17 **landowners during the course of right-of-way acquisition activities?**

18 A. No. Contrary to Mrs. Adams' and Mrs. Crowe's assertions, I am unaware of any
19 circumstances in which Duquesne Light agents or employees harassed any landowners in
20 the course of right of way acquisition activities. Duquesne Light agents are required to
21 comply by the Code of Conduct provided to all property owners prior to negotiation of a

1 transmission line easement, which Code of Conduct was included in the notices attached
2 to the Application as Attachment 13. Further, Duquesne Light did not seek an easement
3 from either Mrs. Adams or Mrs. Crowe in connection with the BI-Crescent Project as 306
4 Konter Road is not impacted by the BI-Crescent Project and no further easement was
5 required on the property located at 1123 Juanita Drive beyond the easement currently in
6 place.

7
8 **Q. Are Mrs. Adams' and Mrs. Crowe's assertions correct that Duquesne Light, its**
9 **employees or its agents have not properly communicated through their attorney?**

10 A. No. Except as related to Mrs. Crowe and Mrs. Adams' PUC Complaints, Duquesne Light
11 counsel worked directly with Mrs. Adams and Mrs. Crowe's attorney in connection with
12 all questions raised by these property owners. Protestants' counsel advised Duquesne
13 Light counsel that she did not represent Mrs. Adams or Mrs. Crowe in connection with
14 their PUC Complaints

15
16 **Q. Please respond to Mrs. Marinkovic's assertion that the Company has not obtained**
17 **necessary rights-of-way regarding the 205 Purdy Road property.**

18 A. As with the property located at 306 Konter Road, no existing Duquesne Light
19 transmission facilities traverse the property located at 205 Purdy Road today and no
20 transmission facilities are planned to traverse this property as a part of the BI-Crescent
21 Project. As such, the Company does not need and does not intend to acquire any rights-

1 of-way to locate any transmission facilities associated with the BI-Crescent Project on the
2 property located at 205 Purdy Road.

3
4 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
5 **of-way relative to the property located at 205 Purdy Road?**

6 A. Again, none of the right-of-way or the associated facilities traverse this property. A map
7 depicting the location of these facilities is attached as Duquesne Light Exhibit LG-1. As
8 can be seen on the map, the BI-Crescent Line is more than 200 feet from the closest
9 boundary line of the parcel at 205 Purdy Road.

10
11 **Q. Similar to Mrs. Adams and Mrs. Crowe, Mrs. Marinkovic also points to supposed**
12 **plans to widen the point where Purdy Road meets Konter Road as a part of the**
13 **Project. (Tr. 150-151; Exhibit Adams 16A) Please respond.**

14 A. There are no current plans to widen Konter Road in connection with the BI-Crescent
15 Project; however, there are ruts and holes in the road that Duquesne Light will need to
16 repair in order to drive construction vehicles on the road.

17
18 **Q. Does the Company have the right to legally access Purdy Road and conduct**
19 **construction activities associated with the BI-Crescent Project?**

20 A. Yes. As noted above, as I am advised by counsel, the Worth Agreement is still in the
21 chain of title for all parcels subdivided from the Worth Property, including Konter Road.

1 The Worth Agreement permits Duquesne Light "to erect, use, operate, maintain, repair,
2 renew and finally remove..." the electric transmission system and "*to enter upon said*
3 *premises at any time for said purposes*" (emphasis added).

4
5 **Q. Does Mrs. Marinkovic raise any other issues regarding Duquesne Light's right-of-**
6 **way acquisition activities?**

7 A. Yes. Mrs. Marinkovic asserts that Duquesne Light, its employees and/or its agents: (1)
8 have trespassed on this property (*see e.g.*, Tr. 153); and/or (2) have harassed and bullied
9 other landowners during the course of right-of-way acquisition activities (*see e.g.*, Tr.
10 153).

11
12 **Q. Are Mrs. Marinkovic's assertions correct that Duquesne Light is trespassing on**
13 **properties at or near Purdy Road, or other properties?**

14 A. No. As noted previously, I am advised by counsel that the properties that are within the
15 original Worth Property are subject to the original Worth Agreement. The Worth
16 Agreement permits Duquesne Light "to erect, use, operate, maintain, repair, renew and
17 finally remove..." the electric transmission system and "*to enter upon said premises at*
18 *any time for said purposes*" (emphasis added).

1 **Q. Are Mrs. Marinkovic's assertions correct that Duquesne Light, its employees or its**
2 **agents have harassed her or other landowners during the course of right-of-way**
3 **acquisition activities?**

4 A. No. I am unaware of any circumstances in which Duquesne Light agents or employees
5 harassed any landowners in the course of right-of-way acquisition activities. Duquesne
6 Light agents are required to comply by the Code of Conduct provided to all property
7 owners prior to negotiation of a transmission line easement, which Code of Conduct was
8 included in the notices attached to the Application as Attachment 13. However,
9 Duquesne Light did not attempt to acquire easements or other rights from Mrs.
10 Marinkovic in connection with the BI-Crescent Project, as the BI-Crescent Line is not on
11 the parcel located at 205 Purdy Road, Allegheny Tax Parcel Number 0701-L-00195-
12 0000-00, and the BI-Crescent Project does not impact that property.

13

14 **B. PROPERTIES NEAR JUANITA DRIVE**

15

16 **Q. Mrs. Crowe also appears to assert that the Company has not obtained easements**
17 **necessary for for the BI-Crescent from properties near 1123 Juanita Drive. Please**
18 **respond.**

19 A. The only property located near 1123 Juanita Drive that will be traversed by right-of-way
20 associated with the BI-Crescent Project is the property located at 1123 Junanita Drive.
21 The Company already possesses as easement for transmission facilities on this property.

1 As such, the Company does not need and does not intend to acquire any rights-of-way to
2 from other nearby properties.

3

4 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
5 **of-way relative to the property located at 1123 Juanita Drive?**

6 A. Unlike the other properties addressed hereunder, the existing BI-Crescent Line does
7 traverse Mrs. Crowe's property located at 1123 Juanita Drive, Allegheny County Tax
8 Parcel ID Number 0209-A-00089-0000-00. A map depicting the location of these
9 facilities is attached as Duquesne Light Exhibit LG-3. As can be seen on the map, the
10 BI-Crescent Line is right along the border between Mrs. Crowe's property and properties
11 owned by Mr. and Mrs. Schneider, Mr. and Mrs. Mascellino, and Mr. and Mrs. Grimes.
12 The dotted line along the BI-Crescent Line indicates the distance that Duquesne Light has
13 historically managed vegetation along the corridor.

14

15 **Q. Does Mrs. Crowe raise any additional issues with Duquesne Light's right-of-way**
16 **acquisition activities with respect to the 1123 Juanita Drive property?**

17 A. Yes. Mrs. Crowe asserts Duquesne Light employees may have trespassed on her
18 property, near Zenoba Drive. (Tr. 129-130; *see also* Exhibit Crowe 8)

19

20 **Q. Has Duquesne Light, its employees or its agents trespassed on the property located**
21 **at 1123 Juanita Drive?**

1 A. I am unaware of any Duquesne Light employee or agent who has entered the property
2 located at 1123 Juanita Drive in furtherance of the BI-Crescent Project. The blue tag on a
3 stake depicted in Crowe Exhibit 8 is not a Duquesne Light survey tag. Notwithstanding
4 this, I am advised by counsel that Duquesne Light does have the legal right to enter the
5 property located at 1123 Juanita Drive by virtue of its existing easement on this property.
6 By way of further explanation, on November 30, 1914, Southern Heat, Light and Power
7 Company, predecessor-in-interest to Duquesne Light, purchased an easement from R. H.
8 and Mary McKown across their undeveloped property in Robinson Township,
9 Pennsylvania (the "McKown Property"). This easement was documented in an Indenture
10 (the "McKown Agreement") which was filed of record in the Allegheny County Real
11 Estate Office. The McKown Property was later subdivided into many parcels; however,
12 the McKown Agreement is still in the chain of title for all parcels subdivided from the
13 McKown Property and on Konter Road. The McKown Agreement permits Duquesne
14 Light "to erect, use, operate, maintain, repair, renew and finally remove..." the electric
15 transmission system and "*to enter upon said premises at any time for said purposes*"
16 (emphasis added).

17

18 **C. THE WILSON PROPERTY**

19 **Q. Mrs. Wilson asserts that the Company has not obtained a sufficient easement for the**
20 **portion of the Project that will traverse her property at 9 McGovern Boulevard.**
21 **Please respond.**

1 A. Mrs. Wilson's assertion is twofold. First, she states that the Company has cleared beyond
2 the existing 25 foot wide easement on her property. (Tr. 168). Second, she asserts that
3 the Company should be required to obtain a 150 foot wide easement to cross her
4 property. (Tr. 168).

5 Mrs. Wilson is correct that the 1914 easement burdening Mrs. Wilson's property provides
6 that the right of way itself is 25 feet in width; however, the Indenture of record also gives
7 Duquesne Light right to "enter upon said premises at any time, for said [electric
8 transmission system] purposes, together with the *further right to trim or remove any trees*
9 *or shrubbery which, at any time, may interfere or threaten to interfere with the*
10 *construction, maintenance or operation of such electric transmission system."* [Emphasis
11 added.] It is on this basis that Duquesne Light has been pruning or removing vegetation
12 on Mrs. Wilson's property for over 100 years. To the best of my knowledge, Mr. Moore
13 attempted to acquire an additional easement in the hope to expand the vegetation work on
14 Mrs. Wilson's property beyond what has been managed historically. When negotiations
15 between Mrs. Wilson's counsel and counsel for Duquesne Light proved unsuccessful,
16 Duquesne Light redesigned the pole on Mrs. Wilson's property so that the BI-Crescent
17 Line, as re-engineered, would comply with appropriate safety codes and remain within
18 the existing cleared corridor. As re-engineered, Duquesne Light no longer requires an
19 easement 150 feet in width on Mrs. Wilson's property.

20

1 **III. NOTICE OF SCHAEFER CONDEMNATION APPLICATION**

2 **Q. As a part of this proceeding, did you testify regarding the Company's Schaefer**
3 **Condemnation Application?**

4 A. Yes.

5
6 **Q. Please explain the Company's efforts to investigate the ownership of the property**
7 **that is the subject of the Schaefer Condemnation Application.**

8 A. George Schaefer died in 1946 and his wife Alice died in 1952, leaving six (6) surviving
9 children: (1) Herbert William Schaefer; (2) Alice Elizabeth Schaefer; (3) Edna
10 Marguerite Schaefer; (4) Jean Whitting Smith; (5) Beatrice Eleanor Sullivan; and (6)
11 Glenn Abbot Schaefer. At the time of Duquesne Light's search efforts, Beatrice Eleanor
12 Sullivan was the only one of Mr. Schaefer's six surviving children still living. Our
13 counsel contacted attorney Chris Beall, husband to one of Mrs. Sullivan's daughters.
14 During that conversation, Mr. Beall advised Duquesne Light counsel that the Schaefer
15 heirs were not interested in entering into an agreement, acknowledgement or acceptance
16 of ownership of the Schaefer property, would have any negative consequences for the
17 Schaefer heirs. Mr. Beall further advised that the Schaefer heirs had no interest in
18 assisting DLC clear title to the Property. Our counsel was later contacted by Michael
19 Syme, who declared himself to be counsel for the Schaefer heirs and asserted that all
20 Schaefer children died intestate. Duquesne Light counsel searched available records
21 from the Counties of the last known residences of each Schaefer child and found record

1 of the wills of two of Mr. Schaefer's children and it is presumed that the remaining three
2 died intestate.

3 Through review of intestacy law and those estates of record, Duquesne Light
4 believes that the heirs ultimately served were those who could claim an interest in the
5 Schaefer property. Roger E. Smith, Wayne Allen Smith, and Gary Lee Smith are
6 descendants of Jean Witting Smith and are beneficiaries under will of Alice Elizabeth
7 Schaefer. Teri Sue Phoenix, Steven Lambert Schaefer, and David Abbott Schaefer are
8 the children of Glenn Abbott Schaefer and are beneficiaries under will of Alice Elizabeth
9 Schaefer. Beatrice Eleanor Sullivan is the daughter of George and Alice Schaefer and
10 her children, Gail Dodge and Jean Louise Sullivan-Bell are beneficiaries under will of
11 Alice Elizabeth Schaefer.

12
13 **Q. Upon whom did the Company serve the BI-Crescent Project Application and the**
14 **Schaefer Condemnation Application with respect to the Schaefer Property?**

15 A. Based upon the representation of Attorney Syme, that he was acting as counsel to the
16 Schaefer Estate, Duquesne Light initially served the BI-Crescent Project Application and
17 the Schaefer Condemnation Application upon Attorney Syme.

18
19
20 **Q. Did the Company also publish a notice of both Applications in a newspaper of**
21 **general circulation in the area in which the property is located?**

1 A. Yes. Duquesne Light filed a proof of publication on April 30, 2019, a copy of which is
2 attached hereto as Duquesne Light Exhibit LG-5 (Schaefer).

3

4 **Q. Did the Company subsequently serve the known, potential heirs of the Schaefer**
5 **property?**

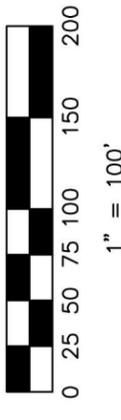
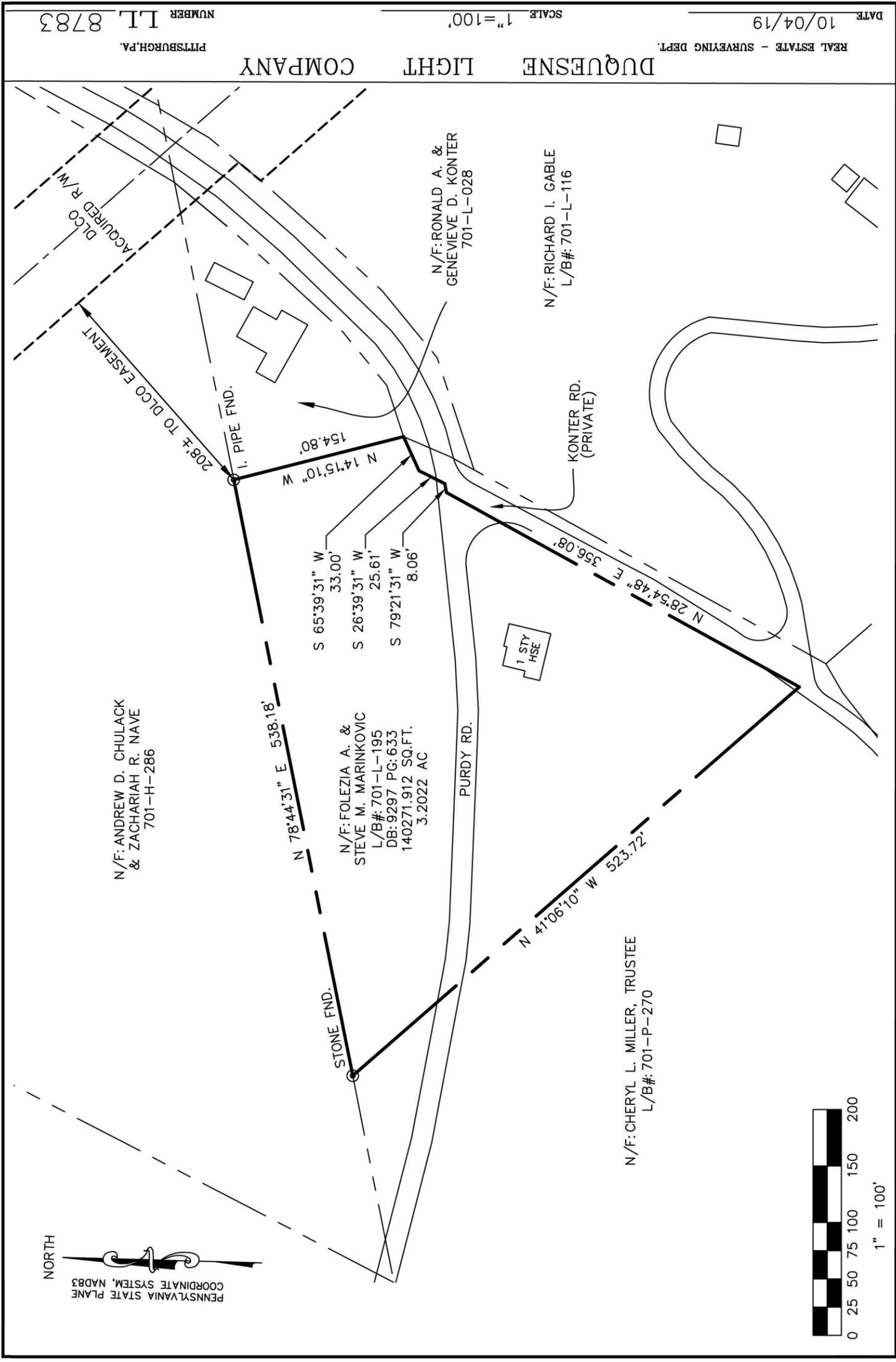
6 A. Yes. After receiving correspondence from Mr. Beall and the Administrative Law Judge
7 with respect to the Schaefer property and associated condemnation application, the
8 Company served the BI-Crescent Project Application and the Schaefer Condemnation
9 Application upon Roger E. Smith, Wayne Allen Smith, Gary Lee Smith, Teri Sue
10 Phoenix, Steven Lambert Schaefer, David Abbott Schaefer, Beatrice Eleanor Sullivan,
11 Gail Dodge, and Jean Louise Sullivan-Bell on August 15, 2019.

12

13 **Q. Does this complete your rebuttal testimony at this time?**

14 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
15 course of this proceeding.

Duquesne Light Exhibit LG-1



NOTES:
• ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

REVISIONS:

SURVEY NOTES:
DATE OF SURVEY: 2/28/17
○ SET IRON ROD UNLESS OTHERWISE NOTED
● FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
● TAX IDENTIFICATION FOUND
○ IRON PIN
● CONCRETE
○ RIGHT-OF-WAY
● POINT OF BEGINNING

A R STY PBV PG
ARC RADIUS STORY PLAN BOOK VOLUME
DUQUESNE LIGHT POLE (EXISTING)
DUQUESNE LIGHT POLE (PROPOSED)

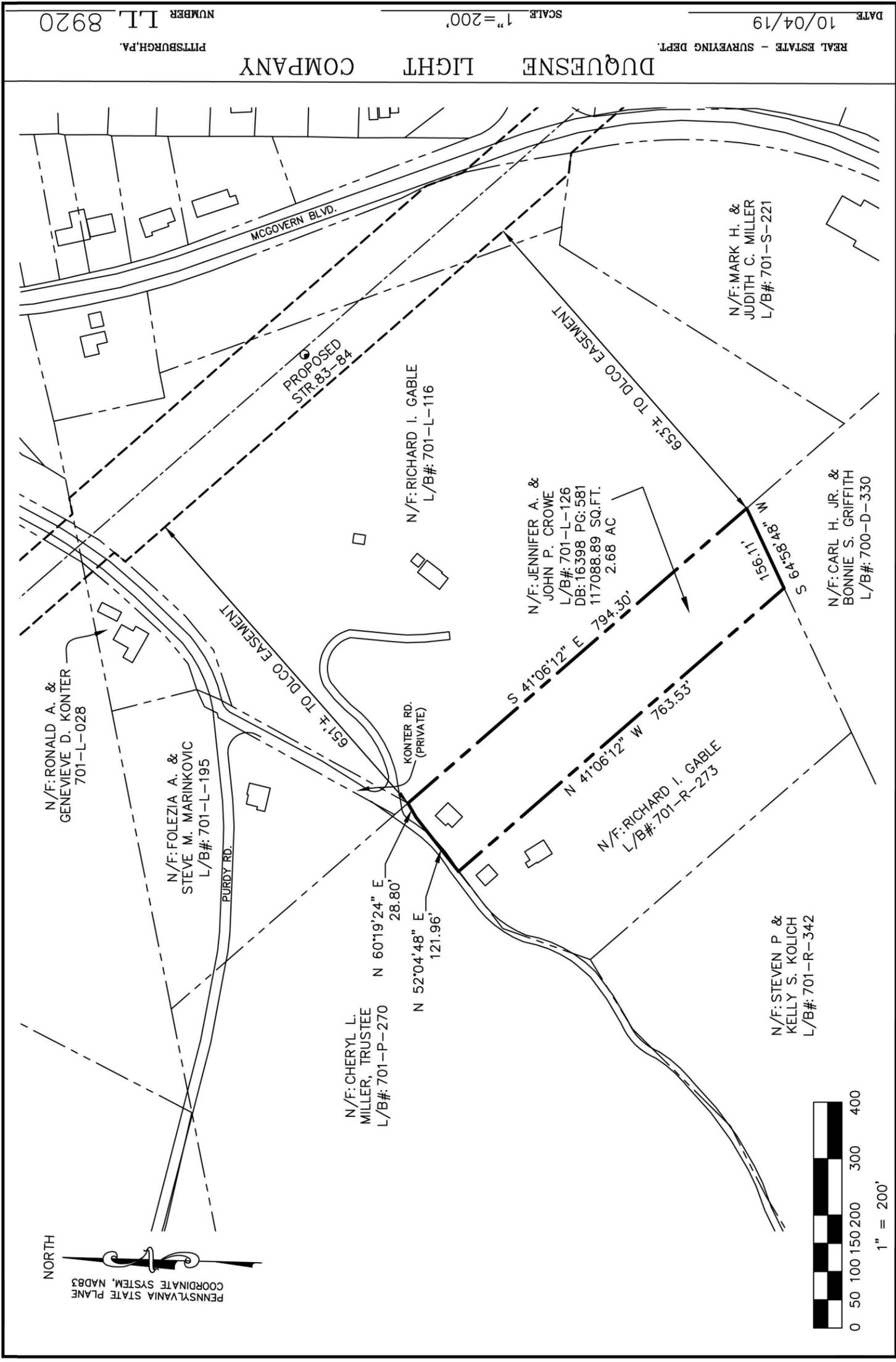
DLCO
DUQUESNE LIGHT CO.
DUQUESNE LIGHT COMPANY
Real Estate/Surveying Dept. Pittsburgh, PA

DATE 10/04/19 ARCH. APP.
DRAWN JLS ELECT. APP.
CHECKED MECH. APP.
INSPECTED STRUCT. APP.

SCALE 1" = 100'

BI-CRESCENT	
FOLEZIA A. & STEVE M. MARINKOVIC L/B#: 701-L-195/DB: 9297 PG: 633 MOON TWP/ALLEGHENY COUNTY	O.F.E. No. C.O. No.
APP. COMPLETE WHEN PAID HERE	LL 8783

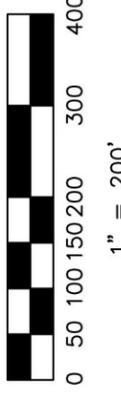
DUQUESNE LIGHT COMPANY
REAL ESTATE - SURVEYING DEPT.
PITTSBURGH, PA.
DATE 10/04/19
SCALE 1" = 100'
NUMBER LL 8783



PITTSBURGH, PA. NUMBER LT. 8920 DATE 10/04/19 SCALE 1"=200'

DUQUESNE LIGHT COMPANY
REAL ESTATE - SURVEYING DEPT.

NORTH
PENNSYLVANIA STATE PLANE
COORDINATE SYSTEM, NAD83



NOTES:
• ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

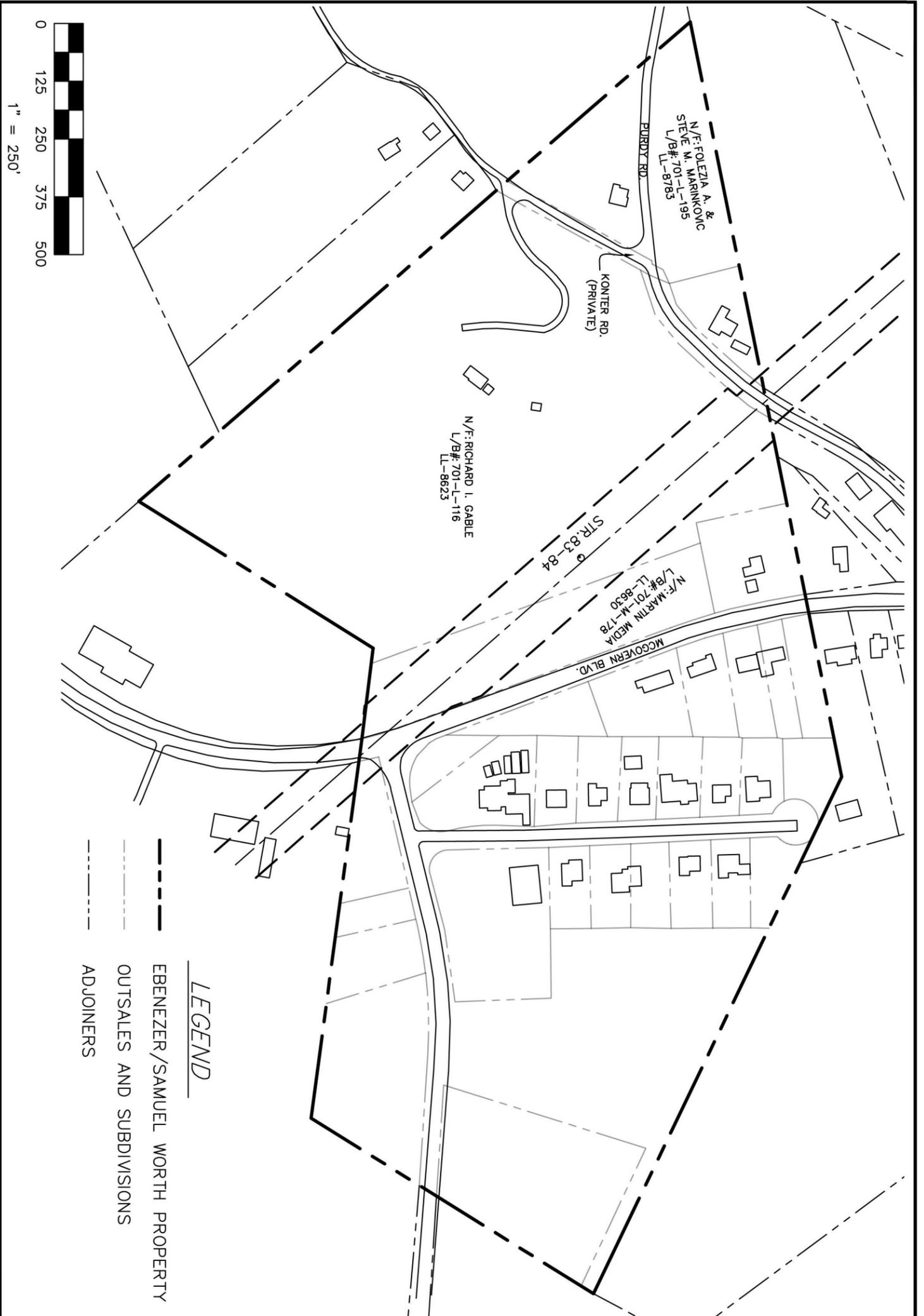
REVISIONS:

- SURVEY NOTES:
DATE OF SURVEY: 2/28/17
○ SET IRON ROD UNLESS OTHERWISE NOTED
● FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
● TAX IDENTIFICATION FOUND
○ IRON PIN
● CONCRETE
○ RIGHT-OF-WAY
● POINT OF BEGINNING

- ARC RADIUS
STORY PLAN BOOK VOLUME
PAGE DUQUESNE LIGHT POLE (EXISTING)
DUQUESNE LIGHT POLE (PROPOSED)
- A R STY PBV PG
○ ●

 DUQUESNE LIGHT COMPANY <i>Real Estate/Surveying Dept. Pittsburgh, PA</i>		BI-CRESCENT	
DATE 10/04/19 ARCH. APP.	JENNIFER A. & JOHN P. CROWE L/B#: 701-L-126/DB: 16398 PG: 581 MOON TWP./ALLEGHENY COUNTY	APP. COMPLETE WHEN PAID HERE	O.F.E. No. C.O. No.
DRAWN JLS CHECKED	ARCH. APP.	ELECT. APP.	MECH. APP.
INSPECTED	STRUCT. APP.	LL 8920	LL 8920

Duquesne Light Exhibit LG-2



LEGEND

----- EBENEZER/SAMUEL WORTH PROPERTY

----- OUTSALES AND SUBDIVISIONS

----- ADJOINERS

DUQUESNE LIGHT COMPANY PITTSBURGH, PA.

REAL ESTATE - SURVEYING DEPT. NUMBER **LL SKETCH**

DATE **10/04/19** SCALE **1" = 250'**

REVISIONS:

SURVEY NOTES:
DATE OF SURVEY: 2/28/17

○ SET IRON ROD UNLESS OTHERWISE NOTED
● FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
○ TAX IDENTIFICATION

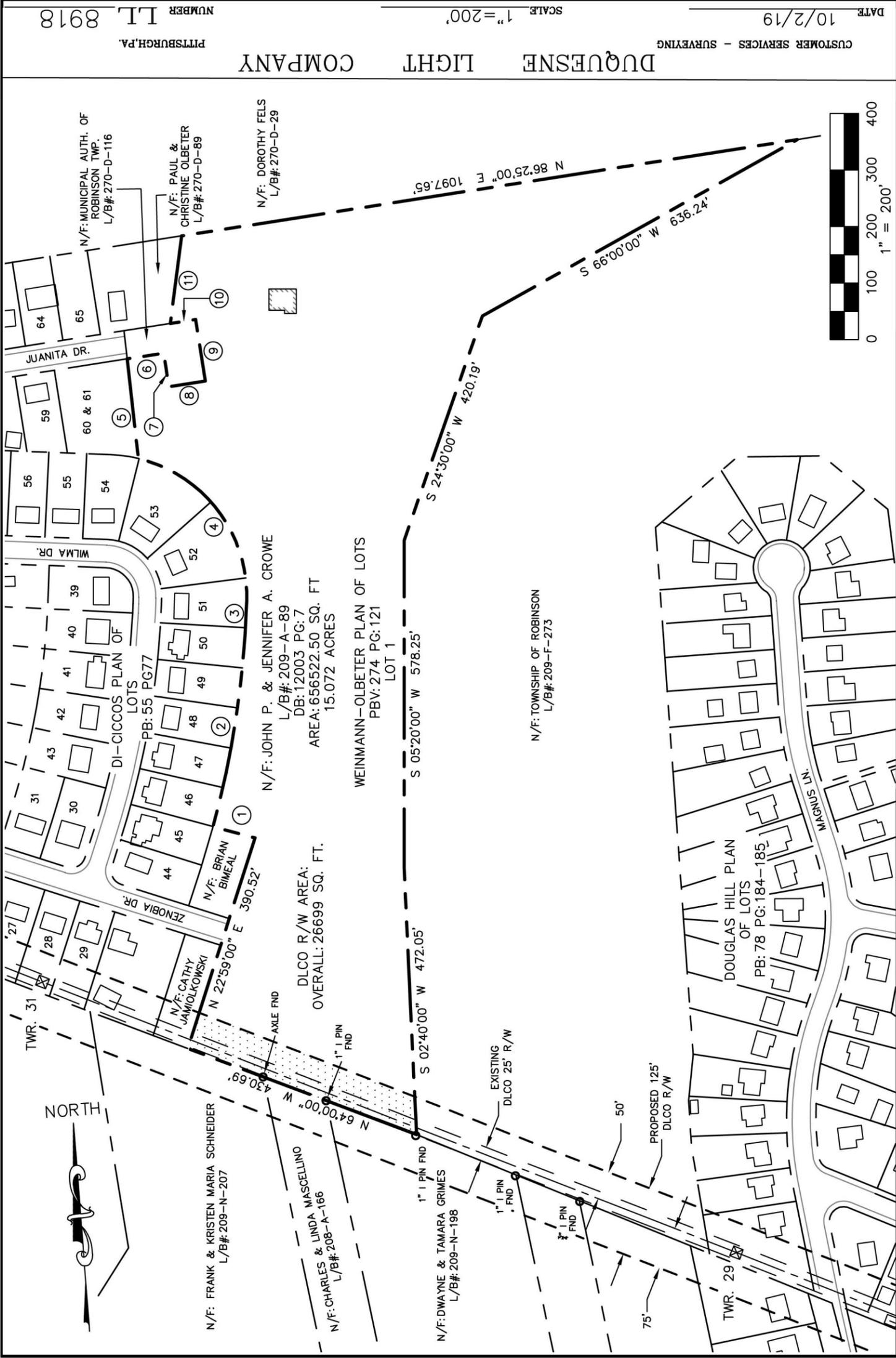
A ARC
R RADIUS
STY STORY
PBV PLAN BOOK
PG PAGE
● DUQUESNE LIGHT VOLUME
○ (EXISTING)
○ DUQUESNE LIGHT POLE
○ (PROPOSED)

○ POINT OF BEGINNING
○ RIGHT-OF-WAY
○ CONCRETE
○ IRON PIN
○ FOUND
○ L/B#
○ N/F
○ R/W
○ CONC
○ I.P.
○ FND
○ L/B#
○ N/F
○ SET IRON ROD UNLESS OTHERWISE NOTED
○ FOUND IRON ROD UNLESS OTHERWISE NOTED
○ NOW OR FORMERLY
○ TAX IDENTIFICATION

DUQUESNE LIGHT COMPANY Real Estate/Surveying Dept. Pittsburgh, PA		APP. COMPLETED WHEN HERE		O.F.E. No.	
				C.O. No.	
SCALE DATE 10/04/19	DRAWN JLS	ARCH. APP.	BI-CRESCENT EBENEZER/SAMUEL WORTH ORIGINAL PROPERTY SKETCH MOON TWP/ALLEGHENY COUNTY		
CHECKED	MECH. APP.	ELECT. APP.			
INSPECTED	STRUCT. APP.	ARCH. APP.			

SKETCH

Duquesne Light Exhibit LG-3



DATE 10/2/19
SCALE 1" = 200'
PITTSBURGH, PA. NUMBER LT. 8918

DUQUESNE LIGHT COMPANY

CUSTOMER SERVICES - SURVEYING

- COURSE DESCRIPTION:**
1. N 69°30'17" W 76.51'
 2. R=1724.38' 391.61'
 3. N 07°29'00" E 11.93'
 4. R=250.00' 342.58'
 5. N 01°02'20" W 177.24'
 6. N 86°25'00" W 65.00'
 7. S 03°35'00" E 60.00'
 8. N 86°25'00" E 65.00'
 9. N 03°35'00" W 110.00'
 10. S 86°25'00" W 169.82'
 11. N 03°35'00" W 149.87'

NOTES:

- ALL BUILDING AND ROAD LOCATIONS ARE FROM DUQUESNE LIGHT GIS DATA

REVISIONS:

SURVEY NOTES:

DATE OF SURVEY: 1/14/17

- SET IRON ROD UNLESS OTHERWISE NOTED
- FOUND IRON ROD UNLESS OTHERWISE NOTED
- NOW OR FORMERLY
- TAX IDENTIFICATION NUMBER
- FOUND
- IRON PIN
- CONCRETE
- R/W
- RIGHT-OF-WAY
- POINT OF BEGINNING

ARC	STY	PLAN BOOK	VOLUME
RADIUS	PBV	DUQUESNE LIGHT POLE (EXISTING)	DUQUESNE LIGHT POLE (PROPOSED)
STORY	PG		
PLAN PAGE			

DLC
DUQUESNE LIGHT CO.

DUQUESNE LIGHT COMPANY
Real Estate/Surveying Dept. Pittsburgh, PA

DATE 10/2/19 ARCH. APP.
DRAWN DND ELECT. APP.
CHECKED JLS MECH. APP.
INSPECTED STRUCT. APP.

BI-CRESCENT	
JOHN P. & JENNIFER A. CROWE L/B#209-A-89/DB:12003 PG:007 ALLEGHENY COUNTY	
APP. COMPLETE WHEN INITIALED HERE	O.F.E. No.
	C.O. No.
	LL 8918

Duquesne Light Exhibit LG-5
(Schaefer)



Emily M. Farah
Counsel, Regulatory

411 Seventh Avenue
Mail drop 15-7
Pittsburgh, PA 15219

Tel: 412-393-6431
efarah@duqlight.com

April 30, 2019

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Keystone Bldg. 2nd Floor W
400 N. Street
Harrisburg, PA 17120

RE: Application of Duquesne Light Company filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138 kV Transmission Lines Associated with the Brunot Island - Crescent Project in the City of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon Township, and Crescent Township, Allegheny County, Pennsylvania
Docket No. A-2019-3008589

Dear Secretary Chiavetta:

On March 15, 2019, Duquesne Light Company ("Duquesne Light" or the "Company") filed the above-captioned Line Siting Application, wherein the Company stated it would publish notice of the filing and other relevant information in newspapers of general circulation. On March 28, 2019 the Presiding Officer, Administrative Law Judge Mary D. Long, set a Prehearing Conference for June 6, 2019.

The newspaper of general circulation in the Brunot Island – Crescent 138 kV Transmission Line ("BI – Crescent") territory is the Pittsburgh Post-Gazette. On April 15, 2019 and April 24, 2019 Duquesne Light published notice of the project in the Pittsburgh Post-Gazette, pursuant to 52 Pa. Code § 57.75. As shown on the enclosed proof of publication, the notice included (but was not limited to) a description of the BI – Crescent project and its location, and information regarding the Prehearing Conference.

Please contact me if you have any questions, comments, or concerns.

Respectfully,

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
Duquesne Light Company

Enclosure

No. _____ Term, _____

Proof of Publication of Notice in Pittsburgh Post-Gazette

Under Act No 587, Approved May 16, 1929, PL 1784, as last amended by Act No 409 of September 29, 1951

Commonwealth of Pennsylvania, County of Allegheny, ss K. Flaherty, being duly sworn, deposes and says that the Pittsburgh Post-Gazette, a newspaper of general circulation published in the City of Pittsburgh, County and Commonwealth aforesaid, was established in 1993 by the merging of the Pittsburgh Post-Gazette and Sun-Telegraph and The Pittsburgh Press and the Pittsburgh Post-Gazette and Sun-Telegraph was established in 1960 and the Pittsburgh Post-Gazette was established in 1927 by the merging of the Pittsburgh Gazette established in 1786 and the Pittsburgh Post, established in 1842, since which date the said Pittsburgh Post-Gazette has been regularly issued in said County and that a copy of said printed notice or publication is attached hereto exactly as the same was printed and published in the regular editions and issues of the said Pittsburgh Post-Gazette a newspaper of general circulation on the following dates, viz:

15, 24 of April, 2019

Affiant further deposes that he/she is an agent for the PG Publishing Company, a corporation and publisher of the Pittsburgh Post-Gazette, that, as such agent, affiant is duly authorized to verify the foregoing statement under oath, that affiant is not interested in the subject matter of the afore said notice or publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

K. Flaherty

PG Publishing Company

Sworn to and subscribed before me this day of:
April 24, 2019

Elizabeth R. Chmura

Commonwealth of Pennsylvania - Notary Seal

Commonwealth of Pennsylvania - Notary Seal
Elizabeth R. Chmura, Notary Public
Allegheny County
My commission expires February 8, 2022
Commission number 1326781
Member, Pennsylvania Association of Notaries

STATEMENT OF ADVERTISING COSTS
Duquesne Light Co-LEGAL
411 SEVENTH AVE 16-1
ATTN: MARY JANE HAMMER
PITTSBURGH PA 15219-1919

To PG Publishing Company

Total _____ \$1,404.00

Publisher's Receipt for Advertising Costs

PG PUBLISHING COMPANY, publisher of the Pittsburgh Post-Gazette, a newspaper of general circulation, hereby acknowledges receipt of the aforesaid advertising and publication costs and certifies that the same have been fully paid.

Office
2201 Sweeney Drive
CLINTON, PA 15026
Phone 412-263-1338

PG Publishing Company, a Corporation, Publisher of
Pittsburgh Post-Gazette, a Newspaper of General Circulation

By _____

I hereby certify that the foregoing is the original Proof of Publication and receipt for the Advertising costs in the subject matter of said notice.

Attorney For

COPY OF NOTICE OR PUBLICATION

NOTICES
PENNSYLVANIA PUBLIC UTILITY COMMISSION
Transmission Lines
Prehearing Conference
A-2019-0008519 Duquesne Light Company Application of Duquesne Light Company Next Under 52 Pa. Code Chapter 67 Subchapter D relating to Commission review of filing and construction of electric transmission lines for approval of the filing and construction of the 138 KV transmission lines associated with the Brunot Island-Crescent Project in the City of Pittsburgh, MOORE, NICKS Borough, Kennedy Township, Robinson Township, Mason Township and Crooked Township, Allegheny County A-2019-0008522 Duquesne Light Company Application of Duquesne Light Company Next Under 52 Pa.C.S. § 1511(a) relating to additional powers of certain public utility corporations for a finding and determination that the service to be furnished by the applicant through its proposed exercise of the power of eminent domain to acquire a certain portion of the lands of George N. Schaefer of Moon Township, Allegheny County for the filing and construction of transmission lines associated with the proposed Brunot Island - Crescent Project is necessary or proper for the service, accommodation, convenience or safety of the public. Formal protests and petitions to intervene must be filed in accordance with 62 Pa. Code relating to public utility or on or before May 29, 2019. Filings must be made with the Secretary of the Pennsylvania Public Utility Commission, 400 North Street, Harrisburg, PA 17120, with a copy sent on the applicant. The documents filed in support of the application are available for inspection and copying at the Office of the Secretary between 8 a.m. and 4:30 p.m. Monday through Friday at the Pennsylvania Public Utility Commission's Commission web site at www.puc.pa.gov and at the applicant's business address.
Applicant: Duquesne Light Company-Through line by Counsel: Anthony D. Karsig; 1501 Square, 17 North Second Street, 12th Floor, Harrisburg, PA 17101-1601
Prehearing Conference An initial prehearing conference on the previously-captioned case will be held as follows:
Date: Thursday, June 4, 2019 at 10am
Location: 2nd Floor Murray Room Post Office, 221, 301 Fifth Avenue, Pittsburgh, PA 15222 (412) 565-3850 Fax: 412 565 3892
Presiding Administrative Law Judge: Mary D. Long Post Office Persons with a disability who want to attend the hearing should contact the Scheduling Office at the Commission at least 5 business days prior to the hearing.
For persons who require an interpreter to participate in the hearing, the Commission will make every reasonable effort to have an interpreter present. Call the Scheduling Office at the Commission at least 10 business days prior to the hearing.
Scheduling Office: (717) 787 1399
Pennsylvania AT&T Relay Service Number for persons who are deaf or hearing impaired: (800) 654-5988

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter G, : Docket No. A-2019-3008589
for Approval of the Siting and Construction of the : Docket No. A-2019-3008652
138 kV Transmission Lines Associated with the :
Brunot Island-Crescent Project in the City of :
Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :
:

Duquesne Light Company

Statement No. 4-A

Written Amended Direct Testimony of

Lesley Gannon

**Topics Addressed: Right of Way Acquisition on the Project
Landowner And Public Outreach**



1 **INTRODUCTION**

2

3 **Q. Please state your name and business address.**

4 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
5 Pittsburgh, PA 15233.

6

7 **Q. By whom are you employed and in what capacity?**

8 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as the
9 Senior Manager of Real Estate and Rights of Way. In my position, I am responsible for
10 managing all of the real estate-related acquisitions and divestitures for the Company.

11

12 **Q. What are your qualifications, work experience and educational background?**

13 A. I have been employed by Duquesne Light Company since 2013. In my current position, I
14 manage the Real Estate Department, which has one Real Estate Specialist, one Supervisor
15 of Survey and Right of Way, four surveying technicians, four right of way agents and a
16 clerk. The Real Estate Department was formed in late 2017, and I have been in my current
17 position for two years and 8 months. I am also Assistant Corporate Secretary for the
18 Company.

19 Prior to assuming my present position at Duquesne Light, I was Managing Counsel,
20 Commercial/General in the Company's Office of the General Counsel for 4 years and 9
21 months, in which position I managed all transactional work at the Company, including any
22 legal issues relating to real estate. Prior to being hired by the Company, I performed similar
23 work as contract counsel for the Company from May of 2008. From 2005 to 2013, in

1 addition to representing the Company as set forth above, I managed my law firm, Gannon
2 Law Offices, which represented small and mid-sized businesses in the Pittsburgh area in
3 transactional and real estate matters. From 2001 to 2005, I was an associate at Sherrard,
4 German & Kelly, P.C. in their financial services and transactional practice groups. Prior
5 to 2001, I held various positions in the financial services industry.

6 I am an attorney licensed to practice law in the Commonwealth of Pennsylvania
7 since 2001. I graduated from Duquesne University School of Law in 2001 and was
8 admitted to the Pennsylvania Bar in 2001. I also hold a Bachelor of Arts in Business and
9 Communications from Carlow University.

10
11 **Q. What are your responsibilities in connection with the Brunot Island-Crescent**
12 **Project?**

13 A. The Company's Supervisor of Survey and Rights of Way, who is no longer with the
14 Company, worked with Burns and McDonnell to identify the parcel owners on and adjacent
15 to the proposed Project line, identify any areas in which the Company will require new or
16 enhanced rights-of-way for the Project, and acquire such rights of way. In October 2017,
17 the Company's Rights of Way and Survey groups came under the new Real Estate
18 Department and my supervision. The proposed Project involves the replacement of
19 infrastructure located on easements that had been in place for decades and that were not
20 reflective of modern electrical infrastructure easement requirements. Therefore, the
21 Company needed to acquire property rights on 122 properties along the length of the
22 proposed Project line. To do so, the Company engaged Burns and McDonnell to serve as
23 the Company's agent in the acquisition of the needed property rights.

1 **Q. What is the purpose of your direct testimony in this proceeding?**

2 A. First, I will identify the portions of the above-captioned Siting Application that I am
3 sponsoring. Second, I will summarize our process for identifying new right-of-way
4 required for the Project and the property owners that would be affected. Third, I will
5 explain the process we employed to attempt to acquire rights of way and easements for the
6 Brunot Island-Crescent Transmission Line. Fourth, I will explain the Company’s policy
7 regarding the property owner’s use of the right-of-way area, and will provide examples of
8 measures the Company employs to mitigate the impacts of the Transmission Lines on
9 property owners’ present and future uses of their properties. Fifth, I will explain the status
10 of our efforts to acquire the rights-of-way and easements needed for the Project.

11
12 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light?**

13 A. Yes. On March 15, 2019, I submitted my direct testimony, Duquesne Light Statement No.
14 4, relative to the “Application of Duquesne Light Company filed Pursuant to 52 Pa. Code
15 Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138 kV
16 Transmission Lines Associated with the **Brunot Island-Crescent Project** in the City of
17 Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon
18 Township, and Crescent Township, Allegheny County Pennsylvania” at Docket No. A-
19 2019-3008589 (“BI-Crescent Project”). I also submitted direct testimony, labeled
20 Duquesne Light Statement No. 1 (Schaefer), regarding the “Application of Duquesne Light
21 Company Under 15 Pa.C.S. § 1511(c) For A Finding and Determination That the Service
22 to be Furnished by the Applicant Through Its Proposed Exercise of the Power of Eminent
23 Domain to Acquire a Certain Portion of the Lands of **George N. Schaefer** of Moon

1 Township, Allegheny County, Pennsylvania for the Siting and Construction of
2 Transmission Lines Associated with the Proposed Brunot Island – Crescent Project is
3 Necessary or Proper for the Service, Accommodation, Convenience, or Safety of the
4 Public” at Docket No. A-2019-3008652 (“Schaefer Condemnation Application”). On
5 October 10, 2019, I submitted rebuttal testimony regarding the BI-Crescent Project
6 (Statement No. 4-R) at Docket No. A-2019-3008589 and rebuttal testimony regarding the
7 Shaefer Condemnation Application (Statement No. 1-R) at Docket No A-2019-3008652).

8
9 **Q. Please describe the portions of the Siting Application that you are sponsoring.**

10 A. I am responsible for Attachment 9, comprising a series of aerial survey maps that show the
11 owners of property that will be traversed by the proposed Brunot Island-Crescent
12 Transmission Line from which DLC obtained or required additional rights.

13
14 **Q. Please describe the Company’s process for identifying the owners of property that
15 will be traversed by Project facilities.**

16 A. Starting in 2014, Company personnel and contractors researched the Project routes for
17 property owner names, property records, and mapping. They then collected boundary and
18 physical evidence from the field to determine or confirm property boundaries. Members
19 of my department prepared mapping for the contract right-of-way agents when they met
20 with the property owners to show them where the proposed right of way was being
21 requested.

1 **Q. Please explain the Company’s policy regarding dealing with owners of property to be**
2 **traversed by Project facilities.**

3 A. The Company’s policy regarding dealing with property owners is described in the
4 informational packet provided to property owners along the Proposed Route, included as
5 Attachment 13. Among other information, described in more detail below, this packet
6 provides that Duquesne Light representatives are to: act with integrity at all times; treat
7 everyone courteously and in a professional manner; be forthright and honest in all actions
8 and communications; comply with all laws and regulations; avoid any conflicts of interest;
9 accept responsibility for any actions or decisions; be good stewards of the environment;
10 and place a high priority on safety for the public, as well as Company employees and
11 representatives.

12
13 **Q. Did the Company provide information to owners of land that may be subject to a**
14 **right-of-way or easement for the Project?**

15 A. Yes. As mentioned above, prior to contacting property owners to negotiate right-of-way
16 agreements, the Company provided informational packets to notify property owners of the
17 Company’s plans to negotiate to acquire rights of way and easements across their land.
18 This packet discloses to the property owner information including the name, purpose, and
19 general location of the Project; Duquesne Light’s standards of employee and agent
20 conduct; and notices of eminent domain power and right-of-way management practices;
21 and also includes a permission form for landowners to grant Duquesne Light access to their
22 property.

1 This packet contains the notices required by the Pennsylvania Public Utility
2 Commission in its regulations at 52 Pa. Code § 57.91. The first notice discusses the
3 Company’s power of eminent domain with respect to the Project, and the associated rights
4 of the property owner. The second notice provides information regarding the right-of-way
5 maintenance practices for the Project facilities. An example of this informational packet is
6 included as Attachment 13 to the Siting Application.

7 Additionally, the Company held public meetings on February 21, 2017, February 28,
8 2017, and March 2, 2017 at the Crescent Municipal Building, VFW Post 418 Hall in McKees
9 Rocks, and Kennedy Township Fire Department to provide information about the Project
10 to owners of property in the area. At this meeting, Company representatives delivered
11 informational presentations about the Project need, route, design, and operational
12 characteristics; answered questions from attendees; and provided informational literature
13 regarding property owner rights, eminent domain, and a surveying permission form.

14 The Pennsylvania Public Utility Commission (“PUC” or “Commission”) held a
15 Public Input Hearing on October 9, 2019, where the Administrative Law Judge assigned to
16 this matter took testimony on the record from the general public about the BI-Crescent
17 Project. I attended the Public Input Hearing and fielded questions from the public about
18 the BI-Crescent Project off the record.

19 In July 2020, land agents under my supervision sent notices to property owners
20 indicating that the Company plans to execute on options for easements previously acquired
21 in furtherance of this Project.
22

1 **Q. What does the Company do after providing the information and notices to property**
2 **owners?**

3 A. Pursuant to 52 Pa. Code § 57.91, the Company waits at least 15 days following landowner's
4 receipt of the informational packet provided in Attachment 13 to the Siting Application.
5 We then contact the property owner(s) via telephone or in person to schedule a convenient
6 time to meet so that we can explain the details of the Project and answer any questions they
7 may have. At such meeting, we usually make a monetary offer to the property owner(s)
8 for the right-of-way sought. The amount of the offer is based on the fair market value of
9 the property interests the Company wishes to acquire.

10
11 **Q. Please explain the Company's policy regarding the property owner's use of the right-**
12 **of-way area.**

13 A. Following the Company's acquisition of a right of way and easement, the property owner
14 can continue to use the right-of-way area, so long as such use is compatible with the safe
15 and reliable operation and maintenance of Company facilities. Compatible uses that require
16 no prior review or approval from the Company include farming and gardening. The
17 Company also allows compatible development within the right-of-way area, provided that
18 the design and work in the area does not interfere with the safe and reliable operation and
19 maintenance of Company facilities. Such uses can include: grading, installation of
20 roadways or parking lots, and installation of underground infrastructure (such as utilities).

21

1 **Q. Please identify methods and/or examples the Company has worked with property**
2 **owners along the Proposed Route to mitigate effects of the Project on their present**
3 **and future land uses.**

4 A. The Proposed Route was tailored to the extent feasible to keep the existing transmission
5 line right-of-way throughout the siting process.
6

7 **Q. Please explain the status of the Company's efforts to acquire right-of-way and**
8 **easements for the Project.**

9 A. There are a total of 461 deeded properties along the Proposed Route, owned by a total of
10 391 property owners. The Company required additional easements from 118 property
11 owners for this Project. One hundred and twenty (116) of these easements have been
12 obtained.

13 As mentioned above, the Company has separately filed for approval of the
14 condemnation of rights of way and easements across certain portions of one (1) parcel
15 pursuant to Section 1511(c) of the Business Corporation Law of 1988, 15 Pa.C.S. 1511(c).
16 The Company is continuing to pursue negotiations with all owners of the remaining
17 properties on which the Company requires additional rights along the Proposed Route.
18

19 **Q. Does this complete your direct testimony?**

20 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
21 course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Lesley Cummings Gannon, Senior Manager of Real Estate and Rights of Way, hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).



Lesley Cummings Gannon
Senior Manager of Real Estate and
Rights of Way

Date: August 10, 2020

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter G, : Docket No. A-2019-3008589
for Approval of the Siting and Construction of the :
138 kV Transmission Lines Associated with the :
Brunot Island-Crescent Project in the City of :
Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :

Application of Duquesne Light Company Under :
15 Pa.C.S. § 1511(c) For A Finding and :
Determination That the Service to be Furnished :
by the Applicant Through Its Proposed Exercise :
of the Power of Eminent Domain to Acquire a :
Certain Portion of the Lands of **George N.** :
Schaefer of Moon Township, Allegheny County, : Docket No. A-2019-3008652
Pennsylvania for the Siting and Construction of :
Transmission Lines Associated with the Proposed :
Brunot Island – Crescent Project is Necessary or :
Proper for the Service, Accommodation, :
Convenience, or Safety of the Public :

Duquesne Light Company

**Statement No. 4A-R (A-2019-3008589)
Statement No. 1A-R (A-2019-3008652)**

**Written Rebuttal Testimony of
Lesley Gannon**

Topics Addressed: Easement and Condemnation



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Lesley Cummings Gannon. My business address is 1800 Seymour Street,
4 Pittsburgh, PA 15233.

5
6 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne Light
7 Company (“Duquesne Light” or the “Company”)?**

8 A. Yes. On March 15, 2019, I submitted my direct testimony, Duquesne Light Statement No.
9 4, relative to the “Application of Duquesne Light Company filed Pursuant to 52 Pa. Code
10 Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138 kV
11 Transmission Lines Associated with the **Brunot Island-Crescent Project** in the City of
12 Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson Township, Moon
13 Township, and Crescent Township, Allegheny County Pennsylvania” at Docket No. A-
14 2019-3008589 (“BI-Crescent Project”). I also submitted direct testimony, labeled
15 Duquesne Light Statement No. 1 (Schaefer), regarding the “Application of Duquesne Light
16 Company Under 15 Pa.C.S. § 1511(c) For A Finding and Determination That the Service
17 to be Furnished by the Applicant Through Its Proposed Exercise of the Power of Eminent
18 Domain to Acquire a Certain Portion of the Lands of **George N. Schaefer** of Moon
19 Township, Allegheny County, Pennsylvania for the Siting and Construction of
20 Transmission Lines Associated with the Proposed Brunot Island – Crescent Project is
21 Necessary or Proper for the Service, Accommodation, Convenience, or Safety of the
22 Public” at Docket No. A-2019-3008652 (“Schaefer Condemnation Application”). On

1 August 10, 2020, I submitted amended direct testimony (“Duquesne Light Statement No.
2 4A”).

3
4 **Q. What is the purpose of your rebuttal testimony?**

5 A. My testimony responds to certain issues raised by Allegheny County Sewer Authority
6 (“ALCOSAN”) in their direct testimony submitted on December 9, 2020 and sponsored by
7 Michael Lichte, P.E. Specifically, I will respond and rebut ALCOSAN’s concerns
8 regarding use of Company easements as it relates to ALCOSAN’s existing or proposed
9 facilities near Chartier’s Creek and Sheraden Park.

10
11 **Q. Are you sponsoring any exhibits associated with your rebuttal testimony?**

12 A. I am sponsoring as Duquesne Light Exhibit LG-1 a true and correct copy of the Special
13 Warranty Deed dated February 2, 2016 by and between the Company and ALCOSAN, in
14 which the Company conveyed title to ALCOSAN of the real property known as Tax
15 Parcels 43-P-1-0-01 and 43-P-100 in the tax records of Allegheny County, Pennsylvania
16 (the “ALCOSAN Deed”). I am also sponsoring as Duquesne Light Exhibit LG-2 a true
17 and correct copy of the Right-of-Way (“ROW”) Agreement by and between Crivelli
18 Limited Partnership and the Company dated October 9, 2020 (the “Crivelli Agreement”)
19 and recorded in the Real Estate Office of Allegheny County on October 15, 2020, in which
20 Crivelli Limited Partnership granted to the Company an easement and right of way over
21 the real property known as 43-L-130.

1 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
2 **of-way relative to the ALCOSAN facilities near Chartier’s Creek (Parcel 43-L-130)?**

3 A. As referenced on Duquesne Drawing No. LL-8676, which is attached to the Crivelli
4 Agreement, the Company plans to utilize the easement for aerial occupation only. No
5 structure is planned on or under the surface of the real property. The aerial conductor will
6 occupy a very small corner of Parcel 43-L-130. By virtue of the Crivelli Agreement, the
7 Company has the right to occupy Parcel 43-L-130 as set forth in the Company’s amended
8 line siting application.

9
10 **Q. Can you please explain the location of the BI-Crescent Project and associated right-**
11 **of-way relative to the ALCOSAN facilities near Sheraden Park (through Parcel 43-**
12 **P-1-0-1)?**

13 A. ALCOSAN acquired title to Parcel 43-P-1-0-1 from the Company in 2016 by virtue of the
14 ALCOSAN Deed (Exhibit LG-1). This conveyance was the result of years of negotiations
15 and discussions to allow ALCOSAN to comply with its 2008 Consent Decree and allow
16 the Company to continue to operate, maintain and upgrade its infrastructure on Parcel 43-
17 P-1-0-1. Accordingly, page two of the ALCOSAN Deed excepts and reserves from the
18 grant of the land “two perpetual easements and rights of way over and across” Parcel 43-
19 P-1-0-1 to “install, repair, renew and remove electrical transmission system,” provided that
20 such exceptions do not impair, limit or interfere with the vernal pools noted in Exhibit C
21 to the ALCOSAN Deed (Exhibit LG-1).

22

1 **Q. Is Duquesne Light proposing to exercise its power of eminent domain on Parcel 43-**
2 **L-130, Parcel 43-L-150, near Chartier’s Creek, as a part of the BI-Crescent Project?**

3 A. As noted previously, the Company possesses an easement over Parcel 43-L-130 sufficient
4 to perform the BI-Crescent Project as planned. I am unaware of any need to occupy Parcel
5 43-L-150 for the amended BI-Crescent Project. Accordingly, there is no need for the
6 Company to exercise its power of eminent domain relative to these parcels.

7
8 **Q. Is Duquesne Light proposing to exercise its power of eminent domain on Parcel 43-P-**
9 **1-0-1, near Sheraden Park, as a part of the BI-Crescent Project?**

10 A. As noted previously, the Company has an easement over Parcel 43-P-1-0-1 sufficient to
11 perform the amended BI-Crescent Project as planned and, therefore, there is no need for
12 the Company to exercise its power of eminent domain relative to this parcel.

13
14 **Q. Has Duquesne Light secured the land rights necessary to carry out the Project near**
15 **Chartier’s Creek (near Parcel 43-L-130)?**

16 A. As referenced above, the Crivelli Right of Way Agreement was executed on October 9,
17 2020 and recorded on October 15, 2020. Allegheny County Real Estate Office indicates
18 that ALCOSAN took title to Parcel 43-L-130 on or about November 30, 2020, at which
19 time ALCOSAN had record notice of the Crivelli Right of Way Agreement. The Crivelli
20 Right of Way Agreement granted the Company the right to occupy Parcel 43-L-130 as
21 required in order to complete the portion of the BI-Crescent Project as planned on Parcel

1 43-L-130. The Company will happily continue consulting with ALCOSAN to help assuage
2 ALCOSAN's concerns.

3
4 **Q. In your opinion, can Duquesne Light and ALCOSAN facilities coexist near Chartier's
5 Creek (near Parcel 43-L-130)?**

6 A. I am unaware of any reason that the Company's aerial infrastructure over Parcel 43-L-130
7 will impact ALCOSAN's planned facilities on that parcel.

8
9 **Q. In your opinion, can Duquesne Light and ALCOSAN facilities coexist near Sheraden
10 Park (Parcel 43-P-1-0-1)?**

11 A. To the best of my information, ALCOSAN's planned ponds and wetlands on Parcel 43-P-
12 1-0-1 can coexist with the Company's infrastructure currently on, under and over that
13 parcel and I am aware of no reason to believe that the Company's infrastructure, as
14 improved under the BI-Crescent Project, will be unable to coexist with ALCOSAN's plans
15 for that parcel.

16
17 **Q. Does this complete your rebuttal testimony at this time?**

18 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
19 course of this proceeding.

Duquesne Light Exhibit LG-1



60 2016 00003692

Allegheny County
Jerry Tyskiewicz
Department of Real Estate
Pittsburgh, PA 15219

Instrument Number: 2016-3692

BK-DE VL-16283 PG-73

Recorded On: February 09, 2016 As-Deed

Parties: DUQUESNE LIGHT CO

To ALLEGHENY COUNTY SANITARY AUTH

of Pages: 11

Comment:

***** THIS IS NOT A BILL *****

Deed 162.00
0
0
Total: 162.00

Realty Transfer Stamp

Department of Real Estate Stamp

Affidavit Attached-No PITTSBURGH Ward-20-WEST END-CORLISS	Stamp Num-T2983
Value	8,800.00
Commonwealth of Pennsylvania	88.00
Munic-Pittsburgh City of	176.00
School District-Pittsburgh	88.00
Munic-Penalty	0.00
Munic-Interest	0.00
School-Penalty	0.00
School-Interest	0.00
	352.00

Certified On/By-> 02-09-2016 / Scott Stickman	
0043P00001000001	0043P00100000000

I hereby certify that the within and foregoing was recorded in the Department of Real Estate in Allegheny County, PA

****DO NOT REMOVE-THIS PAGE IS PART OF THE RECORDED DOCUMENT****

File Information:

Record and Return To:

Document Number: 2016-3692
Receipt Number: 3032526
Recorded Date/Time: February 09, 2016 02:37:05P
Book-Vol/Pg: BK-DE VL-16283 PG-73
User / Station: E Walls - Cash Station 22

CHICAGO TITLE INSURANCE CO
WILL CALL
PITTSBURGH PA 15219



Jerry Tyskiewicz
Jerry Tyskiewicz, Director
Rich Fitzgerald, County Executive

Chicago Title Insurance Company

Will Call

File Number
150459 PIT

20258 DRE Certified
09-Feb-2016 02:34P\Int By: Scott Stickman

When recorded please return to:

Babst Calland
Two Gateway Center
603 Stanwix Street, 6th Floor
Pittsburgh, PA 15222
Attn: Justin D. Ackerman, Esq.

(2)

SPECIAL WARRANTY DEED

Made the 2nd day of February, 2016

Between

DUQUESNE LIGHT COMPANY, a Pennsylvania corporation (hereinafter called "Grantor"),

and

ALLEGHENY COUNTY SANITARY AUTHORITY, a Pennsylvania municipal authority (hereinafter called "Grantee");

WITNESSETH, that Grantor for **EIGHT THOUSAND EIGHT HUNDRED AND 00/100 DOLLARS** (\$8,800.00), and intending to be legally bound, does hereby grant, bargain, sell, and convey unto the said Grantee, its successors and assigns, forever, all that real property more particularly described on Exhibit A, which is attached hereto and by this reference made a part hereof (collectively, "Parcel 1").

TOGETHER WITH all rights, restrictions, easements, rights-of-way, leases, licenses and other appurtenances benefiting Parcel 1 or any part thereof.

BEING all or a portion of the same property conveyed or devised to Grantor by deed of W. B. Carson and Sarah C. Carson, his wife, of the City of Pittsburgh, County of Allegheny, Commonwealth of Pennsylvania dated August 5, 1926, recorded in the Office of the Department of Real Estate of Allegheny County at Deed Book Volume 2306, Page 126, and by deed of Southern Heat, Light and Power Company, a corporation of the Commonwealth of Pennsylvania, recorded in the Office of the Department of Real Estate of Allegheny County at Deed Book Volume 2335, Page 1.

TO HAVE AND TO HOLD the same to and for the use of said Grantee, its successors and assigns forever, and the Grantor for itself, and its successors and assigns hereby covenants that it will **WARRANT SPECIALLY** Parcel 1.

ADDITIONALLY WITNESSETH, That Grantor, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Grantor by Grantee, the receipt and sufficiency of which is hereby acknowledged, does hereby remise, release and forever quitclaim unto Grantee, its successors and assigns, forever, any and all of Grantor's right, title and interest

to and in all that real property more particularly described on Exhibit B, which is attached hereto and by this reference made a part hereof (collectively, "Parcel 2").

TOGETHER WITH all rights, restrictions, easements, rights-of-way, leases, licenses and other appurtenances benefiting Parcel 2 or any part thereof, including, without limitation, the adverse possession and quiet title rights described below.

BEING comprised of the tract that was conveyed to Peter Riesberg by deed from Nathan Riesberg et al. dated June 12, 1947 and recorded in Deed Book Volume 2946, page 395; LESS the parcel of land that was acquired by the Redevelopment Authority of Allegheny County as evidenced by Agreement of Confirmation in Condemnation Proceedings between the Redevelopment Authority of Allegheny County and Peter Riesberg dated October 16, 1958 and recorded in Deed Book Volume 3717, page 472.

NOTWITHSTANDING THE FOREGOING, Parcel 2 has been in the continuous possession of Grantor since 1927, and Grantor hereby conveys any adverse possession and quiet title rights that it may have in Parcel 2, and preserves such rights for the benefit of Grantee.

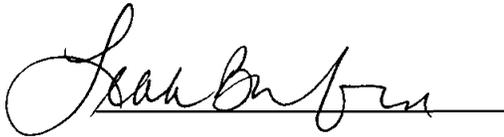
EXCEPTING AND RESERVING to Grantor, its successors and assigns, two perpetual easements and rights of way over, under and across the Property, the centerlines of which are set forth on Exhibit C attached hereto and made a part hereof, for an unlimited number of aerial cables or wires, as now existing or at any time hereafter to be constructed, installed or erected at any location over, under and across Parcel 2 and any future cables or wires, for the conveyance, distribution and use of electrical current and for the protection and control of the electrical transmission system of the Grantor, with the right to install, repair, renew and finally remove said cables or wires, or any of them, and to fell, trim or remove any trees or shrubbery which at any time the Grantor may deem reasonably necessary to prevent interference or threatened interference with the construction, maintenance, repair, renewal, or use or operation of said cables or wires, together with the further right to enter upon the Property at any time for said purposes. Provided, however, that none of the exceptions or reservations set forth herein shall impair, limit or interfere with Grantee's use of the Property for the vernal pools in the locations set forth on Exhibit C, as may presently exist or shall hereafter be constructed, including the repair, reconstruction, inspection or maintenance of same.

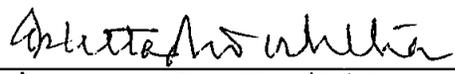
NOTICE – THIS DOCUMENT DOES NOT SELL, CONVEY, TRANSFER, INCLUDE OR INSURE THE TITLE TO THE COAL AND RIGHT OF SUPPORT UNDERNEATH THE SURFACE LAND DESCRIBED OR REFERRED TO HEREIN, AND THE OWNER OR OWNERS OF SUCH COAL MAY HAVE THE COMPLETE LEGAL RIGHT TO REMOVE ALL OF SUCH COAL AND, IN THAT CONNECTION, DAMAGE MAY RESULT TO THE SURFACE OF THE LAND AND ANY HOUSE, BUILDING OR OTHER STRUCTURE ON OR IN SUCH LAND. THE INCLUSION OF THIS NOTICE DOES NOT ENLARGE, RESTRICT OR MODIFY ANY LEGAL RIGHTS OR ESTATES OTHERWISE CREATED, TRANSFERRED, EXCEPTED OR RESERVED BY THIS INSTRUMENT. [This notice is set forth in the Manner provided in Section 1 of the Act of July 17, 1957, P.L. 984, as amended, and is not intended as notice of unrecorded instruments, if any.]

NOTICE THE UNDERSIGNED, AS EVIDENCED BY THE SIGNATURE(S) TO THIS NOTICE AND THE ACCEPTANCE AND RECORDING OF THIS DEED, (IS, ARE) FULLY COGNIZANT OF THE FACT THAT THE UNDERSIGNED MAY NOT BE OBTAINING THE RIGHT OF PROTECTION AGAINST SUBSIDENCE, AS TO THE PROPERTY HEREIN CONVEYED, RESULTING FROM COAL MINING OPERATIONS AND THAT THE PURCHASED PROPERTY, HEREIN CONVEYED, MAY BE PROTECTED FROM DAMAGE DUE TO MINE SUBSIDENCE BY A PRIVATE CONTRACT WITH THE OWNERS OF THE ECONOMIC INTEREST IN THE COAL. THIS NOTICE IS INSERTED HEREIN TO COMPLY WITH THE BITUMINOUS MINE SUBSIDENCE AND LAND CONSERVATION ACT OF 1966, AS AMENDED 1980, OCT. 10, P.L. 874, NO 156 §1.

ATTEST:

ALLEGHENY COUNTY SANITARY
AUTHORITY



By: 
Name: Arletta Scott Williams
Title: Executive Director

IN WITNESS WHEREOF, the said Grantor has caused this Special Warranty Deed to be executed and delivered the day and year first above written.

ATTEST:

Dennis T. Fieles

DUQUESNE LIGHT COMPANY

MF
Digitally signed by
Lesley Garmon
DN: cn=Lesley
Garmon, o=ComLegal
Services,
email=lgarmon@duel
light.com, c=US
Date: 2016.01.22
12:40:46 -0500

By: *F. Michael Doran*
Name: F. Michael Doran
Title: Vice President of Operations

Certificate of Residence

I do hereby certify that the Tax Bill Address
Of the within named Grantee is

Allegheny County Sanitary Authority
3300 Preble Avenue
Pittsburgh, Pennsylvania 15233-1092

I do hereby certify that the Owner Mailing
Address of the within named Grantee is

Allegheny County Sanitary Authority
3300 Preble Avenue
Pittsburgh, Pennsylvania 15233-1092

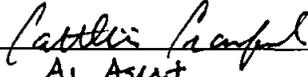

As Agent

EXHIBIT A

All that certain tract of land situate in the 20th Ward of the City of Pittsburgh, County of Allegheny and Commonwealth of Pennsylvania, bounded and described as follows:

Beginning at a point in the center of a Township Road and on the Northerly line of the right of way of the Ohio Connecting Railroad; thence along the line of the Ohio Connecting Railroad and the land of the Heirs of Maria McGunnege, the following 10 courses and distances: (1) North $67^{\circ} 9' 45''$ West, a distance of 25.37 feet; (2) South $86^{\circ} 50' 15''$ West, a distance of 100 feet; (3) North $71^{\circ} 30' 36''$ West, a distance of 113.59 feet; (4) North $80^{\circ} 12' 18''$ West, a distance of 113.59 feet; (5) North $88^{\circ} 54'$ West, a distance of 113.59 feet; (6) North $46^{\circ} 22' 9''$ West, a distance of 155 feet; (7) South $69^{\circ} 21' 45''$ West, a distance of 590 feet; (8) South $76^{\circ} 28' 45''$ West, a distance of 850 feet; (9) South $80^{\circ} 38' 4''$ West, a distance of 282.26 feet; (10) North $84^{\circ} 15' 45''$ West, a distance of 8.29 feet to the center line of Chartiers Creek; thence along the center line of Chartiers Creek, the following courses and distances: North 77° East, a distance of 193.91 feet; North 63° East, a distance of 300 feet; North $56^{\circ} 45'$ East, a distance of 472.15 feet to a point of curve; thence by a curve curving to the right with a radius of 829.39 feet for a distance of 199.04 feet to a point of tangent; thence North $70^{\circ} 30'$ East, a distance of 370.45 feet to a point of curve; thence by a curve curving to the left with a radius of 739.95 feet for a distance of 390.67 feet to a point of tangent; thence North $40^{\circ} 15'$ East, a distance of 216.38 feet to a point of curve; thence by a curve curving to the right with a radius of 500 feet for a distance of 434.15 feet to a point of tangent; thence East for a distance of 210.94 feet to a point of curve; thence by a curve curving to the right with a radius of 232.76 feet for a distance of 188.90 feet; thence South $43^{\circ} 30'$ East, a distance of 236.83 feet to a point of curve; thence by a curve curving to the left with a radius of 150 feet for a distance of 181.95 feet; thence North 67° East, a distance of 650.94 feet; thence North $70^{\circ} 45'$ East, a distance of 725 feet to a point in the center of Chartiers Creek and on the Westerly side of West Carson Street; thence by the Westerly side of West Carson Street, South $29^{\circ} 13'$ East, a distance of 98.01 feet; thence by the same, South $28^{\circ} 53'$ East, a distance of 102.26 feet to a point on the Westerly side of West Carson Street and in the center line of a Township Road; thence by the center line of said Township Road and by other lands of McGunnege, the following 7 courses and distances: (1) South $69^{\circ} 22' 30''$ West, a distance of 165 feet; (2) South $72^{\circ} 7' 30''$ West, a distance of 268 feet; (3) South $78^{\circ} 7' 30''$ West, a distance of 725 feet; (4) South $67^{\circ} 7' 30''$ West, a distance of 340 feet; (5) South $62^{\circ} 52' 30''$ West, a distance of 219 feet; (6) South $52^{\circ} 22' 30''$ West, a distance of 483 feet; (7) South $23^{\circ} 7' 30''$ West, a distance of 165.05 feet to a point in the center of the aforementioned Township Road and on the Northerly line of the Ohio Connecting Railroad and at the place of beginning.

Excepting therefrom and thereout:

- a. All that portion of the above described land which lies to the East of the Westerly line of Stafford Street; and
- b. All that portion of the above described land which lies to the North of the boundary line established by agreement between Duquesne Light Company and the Redevelopment Authority of Allegheny County dated May 5, 1960 and recorded in Deed Book Volume 3814, page 456.

c. All that certain parcel of land described in Exhibit B hereto.

Designated as Tax Parcels 43-P-1-0-01 and 43-P-100.

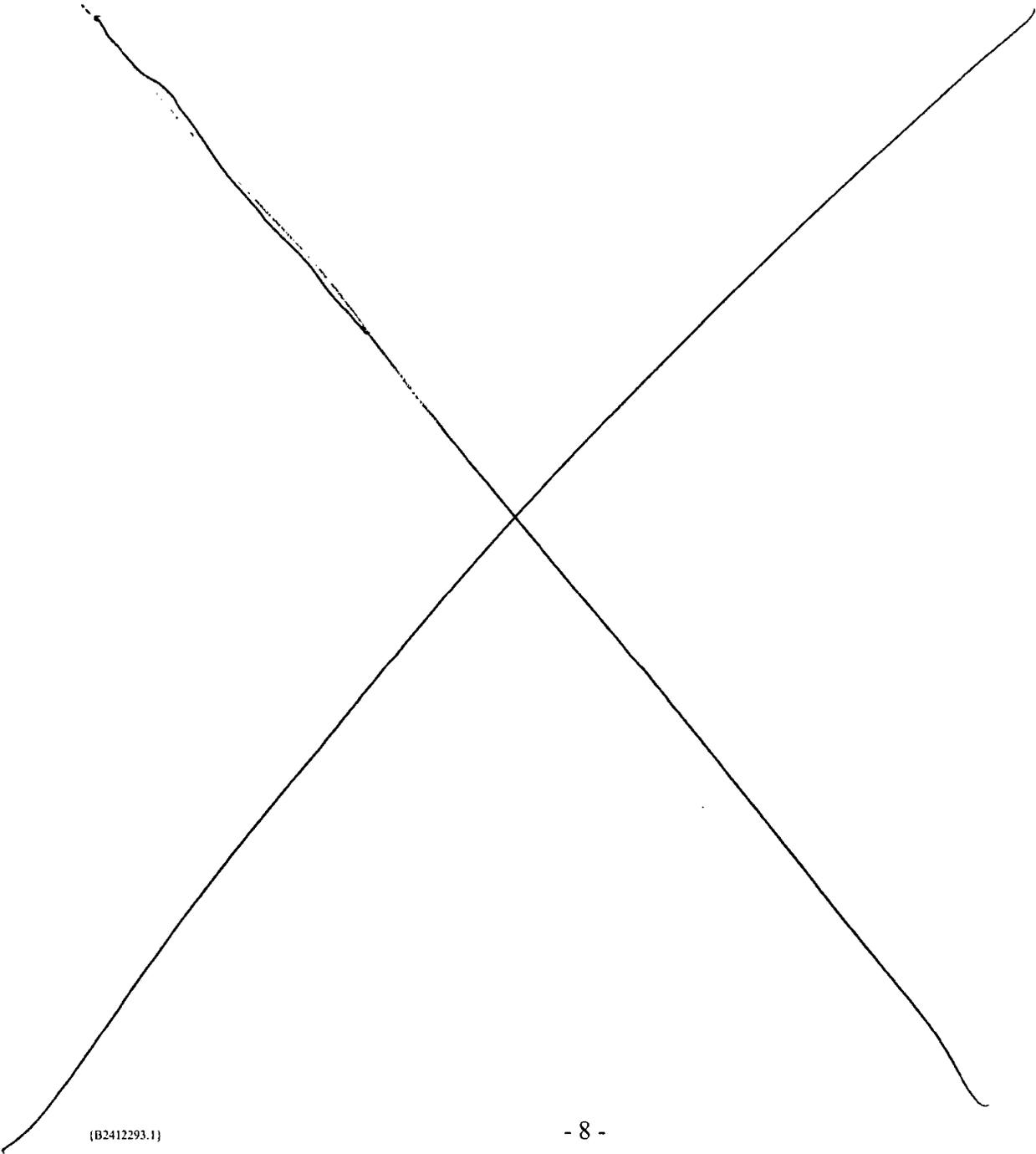


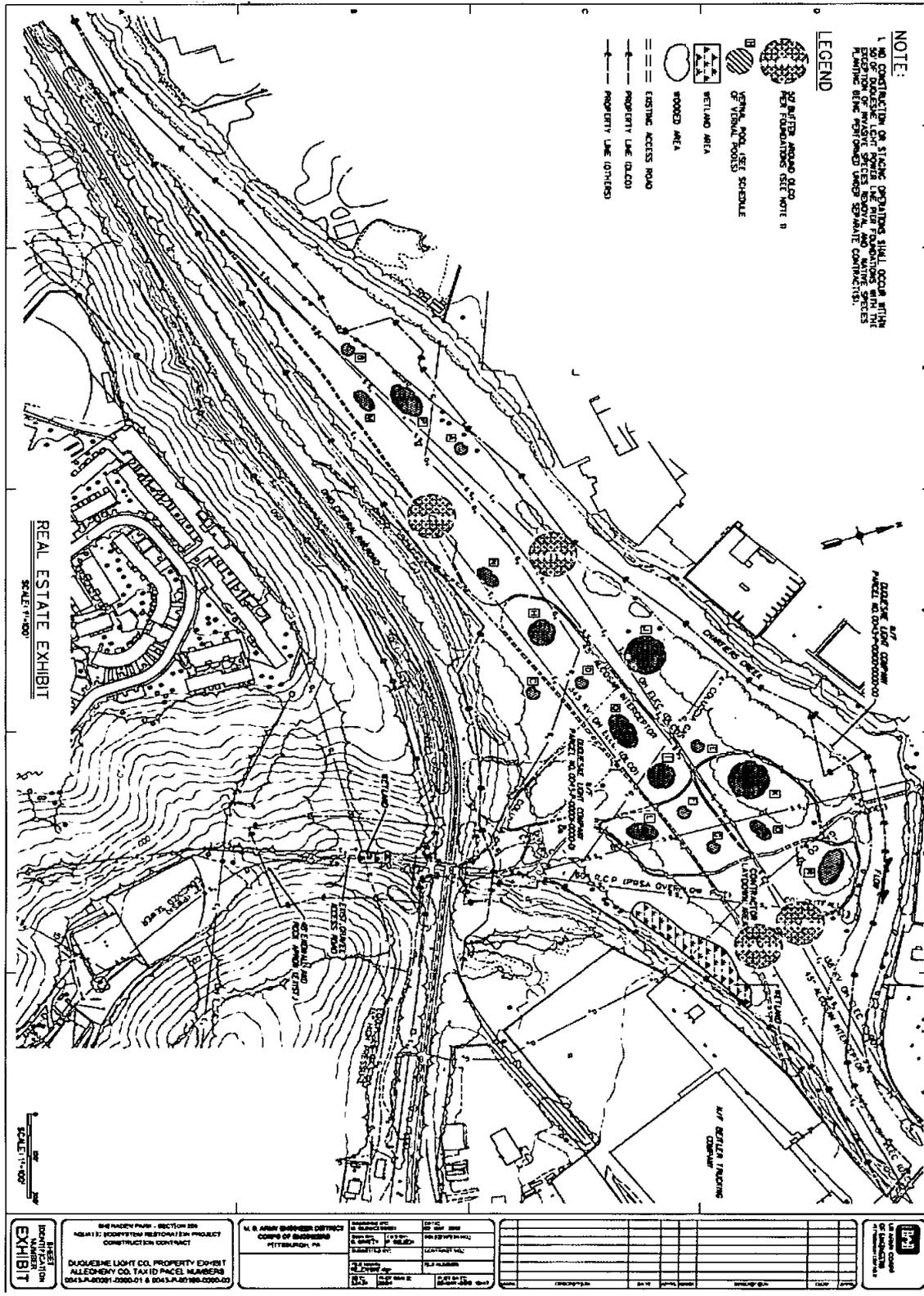
EXHIBIT B

All that certain parcel of land situate in the 20th Ward of the City of Pittsburgh, County of Allegheny and Commonwealth of Pennsylvania, bounded and described as follows:

Beginning on the southwesterly side of Furnace Street, 33 feet wide, in the Borough of McKees Rocks at the dividing line between Lots 54 (erroneously identified as 55 in prior deeds) and 785 in John A. McKees' Plan of Lots (recorded in Plan Book Volume 6, pages 22 and 23); thence along said dividing line, South 19° 53' East, 77 feet to a point; thence South 70° 07' West, 35.50 feet to a point; thence South 19° 53' East, 34.92 feet to a point; thence South 70° 15' West, 7.50 feet to a point; thence South 61° 15' West, 141.87 feet to the center line of Chartiers Creek, at the TRUE PLACE OF BEGINNING; thence South 61° 15' West, 124.63 feet to a point; thence South 53° 23' 30" West, 191.23 feet; thence North 22° 08' East, 41.50 feet to the southwesterly corner of Lot 786 in said plan; thence along said Lot 786, North 58° 10' East, 163.20 feet to the dividing line between Lots 785 and 786 in said plan; thence along said dividing line, North 22° 08' East, 106.15 feet to a point at the southwesterly corner of a parcel of land which was acquired by the Redevelopment Authority of Allegheny County and which parcel is described in Agreement of Confirmation in Condemnation Proceedings between the Redevelopment Authority of Allegheny County and Peter Riesberg dated October 16, 1958 and recorded in Deed Book Volume 3717, page 472; thence along the southerly line of said parcel which was acquired by the Redevelopment Authority of Allegheny County in an easterly direction, 84.49 feet, more or less, to the point at the TRUE PLACE OF BEGINNING.

The above described parcel is identified as Tax Parcel 43-P-2.

EXHIBIT C



Duquesne Light Exhibit LG-2



60 2020 00028663

Allegheny County
Jerry Tyskiewicz
Department of Real Estate
Pittsburgh, PA 15219

Duquesne Light Exhibit LG-2
Page 1 of 5

Instrument Number: 2020-28663

BK-DE VL-18187 PG-398

Recorded On: October 15, 2020

As-Deed Right of Way

Parties: CRIVELLI L P

To DUQUESNE LIGHT CO

of Pages: 5

Comment:

***** THIS IS NOT A BILL *****

Deed Right of Way	181.75
	0
	0
Total:	181.75

Realty Transfer Stamp

Department of Real Estate Stamp

Affidavit Attached-No	
NOT A DEED OF TRANSFER	EXEMPT
Value	

Certified On/By-> 10-15-2020 / Michael Galovich
NOT A DEED OF TRANSFER

I hereby certify that the within and foregoing was recorded in the Department of Real Estate in Allegheny County, PA.

****DO NOT REMOVE-THIS PAGE IS PART OF THE RECORDED DOCUMENT****

File Information:

Record and Return To:

Document Number: 2020-28663
 Receipt Number: 3821465
 Recorded Date/Time: October 15, 2020 12:31:50P
 Book-Vol/Pg: BK-DE VL-18187 PG-398
 User / Station: M Ward-Davis - CASH 04

DUQUESNE LIGHT CO
 ATTN RALPH VERMEIL
 2841 NEW BEAVER AVE
 PITTSBURGH PA 15233



Jerry Tyskiewicz
 Jerry Tyskiewicz, Director
 Rich Fitzgerald, County Executive

THIS INDENTURE made this 9th day of October, 2020,

B E T W E E N

Crivelli Limited Partnership of 108 McKees Rocks Plaza, McKees Rocks, PA 15136, Allegheny County, Pennsylvania, (hereinafter called "Grantor(s))",

A N D

DUQUESNE LIGHT COMPANY, a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, having its principal office in the City of Pittsburgh, Allegheny County, Pennsylvania, (hereinafter called "Duquesne"),

W I T N E S S E T H:

THAT Grantor(s), for good and valuable consideration, the receipt whereof is hereby acknowledged, do(es) hereby give, grant, bargain, sell and convey unto Duquesne, its successors and assigns, forever, a perpetual easement and right of way (hereinafter called "Easement") One Hundred and Fifty (150) feet in width, upon, over, under, along, across and through that certain tract of land situate in McKees Rocks Township/Borough, Allegheny County, Pennsylvania, and bounded and described, generally as follows:

On the North by lands of Crivelli Limited Partnership
On the East by lands of Carson Street
On the South by lands of Old Town Properties LP
On the West by lands of Old Town Properties LP

which tract of land Parcel ID # 0043L00130000000, by deed dated December 23rd, 2002, and of record in the Office of the Recorder of Deeds of Allegheny County, in Instrument Number 2003-31889, conveyed to Crivelli Limited Partnership, the Grantor(s) herein, the Easement herein granted being for a transmission system (hereinafter called "The System") for the conveyance, transmission, distribution and use of electric current and/or communications services, consisting of cables and wires, supported on poles, H-frames, towers, columns and support structures and together with such crossarms, anchors, guys and other fixtures and apparatus as Duquesne may at any time and from time to time deem necessary or proper; together with the following rights, privileges and authority: to erect, construct, use, operate, own, maintain, repair, renew and finally remove The

may interfere or threaten to interfere with its erection, construction, use, operation, maintenance, repair, renewal and final removal of The System; to enter upon the tract of land at any time for such purposes; and to sublet or assign Duquesne's interest, in whole or in part, without the prior consent of Grantor(s).

The Easement herein granted shall extend from Carson Street on the East to Old Town Properties LP on the West. The centerline of the Easement herein granted shall be located substantially at the location indicated on Duquesne's Drawing No. LL-8676, attached hereto and made a part hereof, and shall be finally evidenced by a line connecting the center points of the support structures.

The tract of land upon, over, under, across, along and through which the Easement is granted may always be used by Grantor(s), for such uses and purposes as are not inconsistent with and will not interfere with the erection, construction, use, operation, ownership, maintenance, repair, renewal and final removal of The System; provided, however, that no buildings or structures other than fences shall be located or constructed by the Grantor(s) within the limits of the Easement; and provided, further, that the Grantor(s), in the use of the tract of land, shall not damage or injure any of Duquesne's property on the Easement, nor interfere, in any manner with the erection, construction, use, operation, ownership, maintenance, repair, renewal and final removal of The System.

NOTICE--THIS DOCUMENT MAY NOT SELL, CONVEY, TRANSFER, INCLUDE OR INSURE THE TITLE TO THE COAL AND RIGHT OF SUPPORT UNDERNEATH THE SURFACE LAND DESCRIBED OR REFERRED TO HEREIN, AND THE OWNER OR OWNERS OF SUCH COAL MAY HAVE THE COMPLETE LEGAL RIGHT TO REMOVE ALL OF SUCH COAL AND, IN THAT CONNECTION, DAMAGE MAY RESULT TO THE SURFACE OF THE LAND AND ANY HOUSE, BUILDING OR OTHER STRUCTURE ON OR IN SUCH LAND. THE INCLUSION OF THIS NOTICE DOES NOT ENLARGE, RESTRICT OR MODIFY ANY LEGAL RIGHTS OR ESTATES OTHERWISE CREATED, TRANSFERRED, EXCEPTED OR RESERVED BY THIS INSTRUMENT. (This notice is set forth in the manner provided in Section 1 of the act of July 17, 1957, P.L. 984, as amended.)

WITNESS the hand(s) and seal(s) of the Grantor(s) the day and year first above

written.

ATTEST/WITNESS:

GRANTOR(S)

Crivelli Limited Partnership

James Crivelli

James Crivelli

COMMONWEALTH OF PENNSYLVANIA)

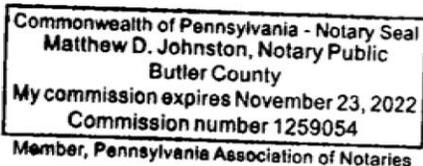
) SS:

COUNTY OF Allegheny)

Before me, a Notary Public in and for the Commonwealth and County, personally appeared James Crivelli, know to me (or satisfactorily proven) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged the foregoing Agreement to be his/her/their act and deed and desire the same to be recorded as such.

WITNESS my hand and Notarial seal this 9th day of OCTOBER,

2020.



Matthew D. Johnston

Notary Public

COMMONWEALTH OF PENNSYLVANIA)

) SS:

COUNTY OF)

On this _____ day of _____, 20____, before me, the undersigned officer, a Notary Public in and for the Commonwealth and County, personally appeared James Crivelli, as Owner-Partner of Crivelli Limited Partnership, and as such Owner-Partner, being authorized to do so, executed the foregoing Agreement for the purposes therein contained.

IN WITNESS WHEREOF I have set my hand and official seal.

Notary Public

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Lesley Cummings Gannon, Senior Manager of Real Estate and Rights of Way, hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).



Lesley Cummings Gannon
Senior Manager of Real Estate and
Rights of Way

Date: January 21, 2021

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-3008589
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008652
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 5-R

**Written Rebuttal Testimony of
John C. Hilderbrand II.**

**Topics Addressed: Safe Design of The Project With Existing Rights-of-
Way**



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is John C. Hilderbrand II, and my business address is 2841 New Beaver
4 Avenue, Pittsburgh, Pennsylvania 15233.

5

6 **Q. By whom are you employed and in what capacity?**

7 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as
8 Interim Vice President, Operations. I am responsible for the Company's Engineering,
9 Transmission and Distribution Field Operations; Underground Network; Project
10 Management; Operations Control Center; Substation Construction and Maintenance;
11 Operations Support Services including Safety; Customer Care and Meter Operations.

12

13 **Q. What are your qualifications, work experience and educational background?**

14 A. I have a Bachelor of Science Degree in Electrical Engineering from the University of
15 Pittsburgh and have been a licensed Professional Engineer since 2006. I have 34 years of
16 electric utility experience with 25 years in various levels of management involving many
17 aspects of the distribution and transmission system. I’ve held positions of Director,
18 Transmission Projects and Director, Transmission Engineering at Allegheny Power as
19 well as Managing Director, of Engineering & Programs at Duquesne Light; in these roles
20 I was responsible for ensuring safe construction, operation and maintenance of
21 transmission line facilities. My resume is attached hereto as Duquesne Light Exhibit
22 JCH-1.

23

1 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne**
2 **Light?**

3 A. I have not previously submitted testimony in this proceeding.
4

5 **Q. What is the purpose of your rebuttal testimony?**

6 A. As a licensed Professional Engineer, with significant experience overseeing design,
7 operation and maintenance of transmission facilities, my testimony responds to specific
8 issues related to design and safety features associated with the BI-Crescent Project, which
9 were raised by several of the Protestants in their oral testimony at the September 10, 2019
10 lay witness hearing. Specifically, I will respond to the Protestants' assertions that the BI-
11 Crescent Project cannot be safely constructed within existing 25-foot wide rights-of-way.
12 In support of my testimony, I will also reference prior examples of transmission line
13 projects where Duquesne Light safely constructed and operated similar facilities within
14 similar rights-of-way.
15

16 **Q. How is the remainder of your rebuttal testimony organized?**

17 A. Section II of my rebuttal testimony summarizes and responds to the Protestants' concerns
18 regarding the Company's proposed design for the BI-Crescent Project, specifically
19 certain of the Protestants' claims that the BI-Crescent Project cannot be safely located in
20 existing rights-of-way.
21

22 **Q. Are you sponsoring any exhibits with your rebuttal testimony?**

1 A. Yes. As part of my rebuttal testimony, I am sponsoring my resume as Duquesne Light
2 Exhibit JCH-1.

3

4 **II. THE BI-CRESCENT PROJECT CAN SAFELY BE CONSTRUCTED IN 25-**
5 **FOOT WIDE RIGHTS-OF-WAY**

6 **Q. Were the primary design features of the BI-Crescent Project described in this**
7 **proceeding direct testimony?**

8 A. Yes. On pages 3 to 5 of the direct testimony of Meenah Shyu (Duquesne Light St. 3),
9 Duquesne Light witness Meenah Shyu described the engineering design of the Project
10 and also provided an overview of the typical structures used in the project. In addition, I
11 understand Ms. Shyu sponsored Attachment 11 to the BI-Crescent Application, which is
12 the Duquesne Light Company Design and Safety Practices.

13

14 **Q. Do any of the Protestants raise specific concerns regarding the ability of the**
15 **Company to safely locate and construct the proposed facilities associated with the**
16 **BI-Crescent Project within 25-foot wide rights-of-way?**

17 A. Yes. Mr. Zona specifically testifies regarding the dimensions of each structure and
18 asserts that Duquesne Light cannot locate these structures within a 25-foot right-of-way,
19 and that attempting to locate these structures in a right-of-way narrower than 150 feet
20 violates accepted industry practices “worldwide”, including the National Electric Safety
21 Code (“NESC”). (Tr. 179-181) Based upon this assertion, Mr. Zona then appears to
22 testify these design issues render the design of the BI-Crescent Project unsafe. (See Tr.
23 181) I will respond to these assertions below, and note that Duquesne Light witness

1 Meenah Shyu also generally responds to these assertions in her rebuttal testimony
2 (Duquesne Light St. 3-R).

3
4 **Q. Mr. Hilderbrand, can the facilities contemplated by the BI-Crescent Project be
5 safely located and constructed within 25-foot wide rights-of-way?**

6 A. Yes, the BI-Crescent Project can be safely located and constructed within the 25-foot
7 wide rights-of-way. The footprint of the new monopoles and the conductors are designed
8 to rest inside the 25-foot wide rights-of-way. Additionally, the increased height of the
9 new structure ensures that NESC clearances will be met. We also have the rights to
10 construct the new line using ingress and egress rights. The right-of-way agreement states
11 “thereunto belonging, or necessary or proper for use in connection therewith, with the
12 right, privilege and authority to erect, construction, use, operate, maintain, repair, renew
13 and finally remove the same, and to enter upon said premises at any time for said
14 purposes, together with the further right to trim or remove any trees or shrubbery which,
15 at any time, may interfere or threaten to interfere with the construction, maintenance and
16 operation of such electric transmission system...”

17
18 **Q. Please respond to Mr. Zona’s assertion that the installation of the proposed facilities
19 within a 25-foot wide right-of-way violates “worldwide” industry practices and/or
20 the NESC (Tr. 179-181).**

21 A. Duquesne Light is not aware of any worldwide industry practices that govern the
22 construction of lines inside the state of Pennsylvania. It is our understanding that each
23 utility determines the appropriate rights-of-way for safe operation of transmission lines.

1 Duquesne Light agrees that the NESC Code is an industry standard code applicable to the
2 BI-Crescent Line. The new BI-Crescent design meets all NESC Codes. While the NESC
3 gives minimum safety clearance requirements, there is no requirement that governs the
4 width of the prescribed right-of-way.

5
6 **Q. Has Duquesne Light previously designed, located and constructed transmission**
7 **facilities similar to the facilities contemplated by the BI-Crescent Project in rights-**
8 **of-way similar to those involved in the BI-Crescent Project?**

9 A. Yes, Duquesne Light has designed, located, and constructed Circuit 308 Highland to
10 Logan's Ferry single circuit 345 kV transmission line on steel monopoles with a
11 vertically stacked configuration. This transmission facility was placed into service in
12 2013 and was designed to meet the applicable NESC Code Edition in effect at that time.
13 Portions of the line were constructed within a 30-foot right-of-way and with the use of
14 centerline right-of-way agreements. Duquesne Light has constructed Z-20 and Z-21
15 Crescent to North double circuit 138 kV transmission line on steel lattice towers and are
16 configured in a side by side stacked configuration rather than the narrower vertically
17 stacked configuration proposed for the BI-Crescent Project. This 138 kV transmission
18 facility was placed into service in the 1970s, although the structures were constructed in
19 the 1920s, and were originally energized at 69 kV. Portions of the line were constructed
20 within a 30-foot right-of-way and with the use of centerline right-of-way agreements.
21 Duquesne Light has also constructed Z-55 and Z-56 Cheswick to North double circuit
22 138 kV transmission line on steel lattice towers and are configured in a side by side
23 stacked configuration rather than the narrower vertically stacked configuration proposed

1 for the BI-Crescent Project. This 138 kV transmission facility was placed into service in
2 the 1970s, although the structures were constructed in the 1920s, and were originally
3 energized at 69 kV. Portions of the line were constructed within a 30-foot right-of-way
4 and with the use of centerline right-of-way agreements.

5
6 **Q. Is Mr. Zona correct that the proposed design of the BI-Crescent Project violates the**
7 **NESC?**

8 A. No, Mr. Zona is not correct that the proposed design of the BI-Crescent Project violates
9 the NESC.

10
11 **Q. Does the design of the BI-Crescent Project comply with all applicable NESC safety**
12 **standards?**

13 A. Yes.

14
15 **Q. To be clear, does the design of the BI-Crescent Project and the associated facilities**
16 **violate any accepted industry standards for the location and construction of electric**
17 **transmission facilities?**

18 A. No. The new BI-Crescent design meets all NESC Codes. While the NESC gives
19 minimum safety clearance requirements, there is no requirement that governs the width
20 of the prescribed right-of-way.

21
22 **Q. Do the unique characteristics of Duquesne Light's service territory require it to**
23 **construct transmission facilities in narrow rights-of-way?**

1 A. Yes. Duquesne Light’s service territory is located in the City of Pittsburgh and the
2 surrounding suburbs. Over the past 100 years, there has been significant growth next to
3 Duquesne Light’s existing transmission facilities. In addition, there are few, if any,
4 reasonable alternatives to existing transmission paths. There are many non-condemnable
5 properties that would make it, at a minimum, extremely cost prohibitive, if not impossible
6 to acquire new 150-foot wide rights-of-way. Duquesne Light must balance these issues
7 with its obligation to provide reliable service to all of its customers. The existing BI-
8 Crescent facilities are very old; many structures were constructed in 1914 and are now
9 beyond permanent repair. Additionally, certain structures are located in a landslide
10 prone area and the proposed BI-Crescent Project will be designed with consideration to
11 these environments. The current transmission line must, therefore, be reconstructed for
12 Duquesne Light to continue to provide safe and reliable service to customers.

13
14 **Q. Does Duquesne Light continually review existing transmission lines to ensure they
15 meet NESC clearances to other objects?**

16 A. Yes.

17
18 **Q. How does Duquesne Light continually ensure that existing lines meet NESC
19 clearances to other objects?**

20 A. Duquesne Light performs periodic inspections with the utilization of Light Detection and
21 Ranging (“LiDAR”) technology to analyze clearances from transmission conductors to
22 other objects, as noted in Attachment 11 to the BI-Crescent Application.

23

1 **Q. Does this complete your rebuttal testimony?**

2 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues

3 arise during the course of this proceeding.

Duquesne Light Exhibit JCH-1

John C. Hilderbrand II, PE

Professional Experience

2015 – Present Duquesne Light

September 2019 – Present Interim Vice President, Operations

Responsible for the Company's Engineering, Transmission and Distribution Field Operations; Underground Network; Project Management; Operations Control Center; Substation Construction and Maintenance; Operations Support Services including Safety; Customer Care and Meter Operations.

2015 – 2019 Managing Director, Engineering & Programs

Direct strategic and day-to-day activities of Asset Management, Engineering, Project Management and System Planning & Protection and Compliance. Capital budget of \$223 million and Operation & Maintenance budget of \$24 million annually; 180 employees supplemented with 79 contractors and staff augmentation, 158 construction contractors and 177 vegetation contractors.

1985 – Present Allegheny Power/FirstEnergy

2011 – 2015 Director, Operations Support, Mon Power/FirstEnergy

Directed day-to-day operational activities for Fleet, Facilities, Meter Reading, Meter Services and Substations. On point for all Labor Relations issues in Mon Power with IBEW Local 50 and Local 2357.

2009 – 2011 Director, Transmission Engineering

Directed activities to ensure the security, reliability and integrity of Allegheny Power's Transmission System by providing strategic and technical direction and support for all EHV and Transmission facilities, >100 kV. Capital budget of \$16 million and Operation & Maintenance budget of \$19 million annually; 62 employees supplemented with primarily 30 vegetation contractors.

2006 – 2009 Director, Transmission Projects

Directed activities for the engineering and construction of multiple projects related to transmission lines and substations for Allegheny Power. Capital budget of \$91 million and Operation & Maintenance budget of \$1.7 million annually; 64 employees supplemented with approximately 60 construction contractors.

2001 – 2006 General Manager, Substations

Oversaw substation operation, maintenance, minor construction, safety, standards and employee relations for Allegheny Power encompassing 1300 substations in 5 states serving approximately 1.5 million customers. Capital and Operation & Maintenance budget of \$24 million annually; 230 employees.

1998 – 2001 General Manager, Operations

Oversaw lines safety, operation & maintenance, and construction, and employee relations for the Charleroi, Pleasant Valley, and Uniontown Service Centers. Capital and Operation & Maintenance budget of \$5.0 million annually; 145,000 customers and 95 employees.

1996 – 1998 Administrative Team Leader, Metro Region

Assisted the Director with day to day operational issues; oversee employee relations and human relations for Metro Region. Metro Region served about 200,000 customers through three (3) service center locations with 220 employees.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, : Docket No. A-2019-3008589
Subchapter G, for Approval of the Siting and : Docket No. A-2019-3008652
Construction of the 138 kV Transmission :
Lines Associated with the **Brunot Island** – :
Crescent Project in the City of Pittsburgh, :
McKees Rocks Borough, Kennedy Township, :
Robinson Township, Moon Township, and :
Crescent Township, Allegheny County :
Pennsylvania :

Duquesne Light Company

Statement No. 5A-R

**Written Rebuttal Testimony of
Jason Hartle**

**Topics Addressed: ALCOSAN Outreach, Coordination, and
Communications**



1 **I. INTRODUCTION**

2 **Q. Please state your name, title, and business address.**

3 A. My name is Jason Hartle, and I am employed by Duquesne Light Company (“Duquesne
4 Light” or the “Company”) as a Senior Project Manager for the Operations Group. My
5 business address is 2825 New Beaver Avenue Pittsburgh, PA 15233.

6

7 **Q. Have you previously submitted testimony in this proceeding on behalf of Duquesne
8 Light?**

9 A. Yes. On October 10, 2019, I submitted rebuttal testimony (“Duquesne Light Statement
10 6-R”) regarding the “Application of Duquesne Light Company filed Pursuant to 52 Pa.
11 Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the 138
12 kilovolt (“kV”) Transmission Lines Associated with the Brunot Island-Crescent Project
13 in the City of Pittsburgh, McKees Rocks Borough, Kennedy Township, Robinson
14 Township, Moon Township, and Crescent Township, Allegheny County Pennsylvania” at
15 Docket No. A-2019-3008589 (“BI-Crescent Project” or the “Project”).

16

17 **Q. What is the purpose of your rebuttal testimony?**

18 A. My testimony responds to certain outreach, coordination, and communications, related to
19 information requested by the Allegheny County Sanitary Authority (“ALCOSAN”) in its
20 written direct testimony submitted on December 9, 2020 sponsored by Michael Lichte,
21 P.E. Specifically, I will respond to outreach, coordination efforts, and communications
22 between ALCOSAN and the Company as it relates to ALCOSAN’s existing and
23 proposed wastewater facilities near the Chartier’s Creek and Sheraden Park areas within
24 or around the BI-Crescent Project area.

1 **Q. How is your rebuttal testimony organized?**

2 A. Section II responds to certain aspects of ALCOSAN's related to the proposed and
3 existing electric infrastructure on and near Sheraden Park. Section V of my testimony
4 summarizes and responds to design and safety concerns made by one or more Protestants
5 at the telephonic hearing on December 21, 2020. I will note that Duquesne Light witness
6 Meenah Shyu (Duquesne Light St. 3A-R) will respond to ALCOSAN's concerns about
7 design and safety aspects of the Project near Chartier's Creek and/or Sheraden Park and
8 Duquesne Light witness Lesley Gannon (Duquesne Light St. 4A-R) will respond to
9 ALCOSAN's concerns about easement impacts near Chartier's Creek and/or Sheraden
10 Park.

11

12 **Q. Are you sponsoring any exhibits with your rebuttal testimony?**

13 A. No.

14

15 **II. OVERVIEW OF DUQUESNE LIGHT'S EFFORTS TO DATE TO COORDINATE**
16 **WITH ALCOSAN**

17 **Q. Have you had an opportunity to review the direct testimony of ALCOSAN witness**
18 **Mr. Lichte?**

19 A. Yes.

20

21 **Q. Please describe the concerns ALCOSAN has raised regarding the Company's BI-**
22 **Crescent Project.**

23 A. Mr. Lichte states that ALCOSAN has existing and planned facilities located in the
24 vicinity of the Company's planned transmission route. ALCOSAN St. 1 at 3. Mr. Lichte

1 further states that Duquesne Lights proposed transmission facilities “may have” an
2 adverse impact on ALCOSAN’s existing and planned wastewater facilities, if the
3 Amended Application is approved without modification. ALCOSAN St. 1 at 3.

4
5 **Q. Please summarize Duquesne Light’s efforts to coordinate with ALCOSAN to date**
6 **regarding the BI-Crescent Project.**

7 A. On or about September 2, 2020, representative(s) from ALCOSAN’s civil engineering
8 group contacted Duquesne Light requesting a review of ALCOSAN’s existing and
9 proposed facilities as it relates to the BI-Crescent Project. On September 16, 2020,
10 ALCOSAN shared with Duquesne Light a “KMZ file” that contained information
11 regarding the locations of Duquesne Light’s proposed new structures 6867 to 6878 that
12 are in the vicinity of the Chartier’s Creek area. On September 18, 2020 ALCOSAN filed
13 its intervention in the above-captioned matter.

14
15 **Q. Have these discussions continued since ALCOSAN intervened in this proceeding**
16 **and served its direct testimony?**

17 A. Yes. Between September 24, 2020 and October 29, 2020, Duquesne Light was
18 coordinating with ALCOSAN to share information informally and outside of the
19 contested Pennsylvania Public Utility Commission (“Commission”) process. On October
20 22, 2020, ALCOSAN propounded its first set of discovery requests on Duquesne Light.
21 Duquesne Light submitted timely responses to ALCOSAN’s discovery requests on
22 November 11, 2020.

1 **Q. What was the nature of the information communicated within Duquesne Light's**
2 **November 11, 2020 discovery responses?**

3 A. Duquesne Light provided engineering maps and GIS data in order for ALCOSAN to
4 properly assess how it could coordinate its own construction needs with Duquesne
5 Light's proposed BI-Crescent Project. The information submitted, which included
6 planned locations of proposed structures, lines, and temporary access roads, was similar
7 to the information provided previously between September 24, 2020 and October 29,
8 2020.

9
10 **Q. Has Duquesne Light requested any information from ALCOSAN regarding its**
11 **existing and planned facilities in the Chartier's Creek and/or Sheraden Park areas**
12 **identified in Mr. Lichte's testimony?**

13 A. Yes. Duquesne Light requested technical information in Duquesne Light Company's
14 Interrogatories Set 1, dated December 22, 2020. ALCOSAN provided timely responses
15 on January 11, 2020.

16
17 **Q. Why was it important for Duquesne Light to obtain this information?**

18 A. Moreover, as detailed in the rebuttal testimony of Duquesne Light witness Meenah Shyu
19 (Duquesne Light St. No. 3A-R), without this information Duquesne Light cannot know
20 what impact it may have on ALCOSAN's planned or existing facilities and, therefore, it
21 is unreasonable to expect Duquesne Light to plan accordingly.

22

1 **Q. Has ALCOSAN provided Duquesne Light with the information that is necessary for**
2 **Duquesne Light to coordinate its construction activities with ALCOSAN?**

3 A. No. While ALCOSAN has supplied basic information requested for existing and
4 proposed facility locations, which will enable Duquesne Light to review our design and
5 attempt to eliminate permanent interferences, they have not supplied means and methods
6 for construction and detailed schedule information that will be necessary to avoid
7 conflicts between the two projects during construction phase. These details appear
8 unavailable based on Mr. Lichte's testimony and ALCOSAN's responses to Duquesne
9 Light's discovery requests for DLC-I-2 and DLC-I-6.

10 It is important to recognize the difference between the extent to which Duquesne
11 Light has completed its engineering of the BI-Crescent Project (*i.e.*, 90% design) and the
12 extent to which ALCOSAN has completed its engineering proposed facilities (*i.e.*, 20 %
13 design) that are contemplated for the Chartier's Creek area. While Duquesne Light has
14 progressed substantially in its engineering of the BI-Crescent Project in this area,
15 ALCOSAN has not.

16

17 **Q. Does Duquesne Light intend to continue coordinating with ALCOSAN in order for**
18 **the utilities to complete their respective projects?**

19 A. Of course. Should the BI-Crescent Project be approved by the Commission, Duquesne
20 Light is looking forward to working with ALCOSAN in order to ensure both companies
21 can swiftly and safely perform their projects.

22

23 **Q. Does this complete your rebuttal testimony?**

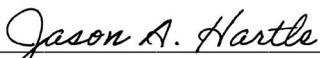
1 A. Yes, it does. If necessary, I will supplement my testimony if and as additional issues
2 arise during the course of this proceeding.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company Filed Pursuant to :	Docket No. A-2019-3008589
52 Pa. Code Chapter 57, Subchapter G, for Approval of the :	Docket No. A-2019-3008652
Siting and Construction of the 138 kV Transmission Lines :	
Associated with the Brunot Island-Crescent Project in the :	
City of Pittsburgh, McKees Rocks Borough, Kennedy :	
Township, Robinson Township, Moon Township, and :	
Crescent Township, Pennsylvania :	

VERIFICATION

I, Jason Hartle, Senior Project Manager, hereby state that the facts set forth are true and cover (or are true and correct to the best of my knowledge, information and belief) and that I expect 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 falsifications to authorities).



Jason Hartle, PMP
Senior Project Manager

Date: January 21, 2021

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Duquesne Light Company filed :
Pursuant to 52 Pa. Code Chapter 57, Subchapter : Docket No. A-2019-3008589
G, for Approval of the Siting and Construction of :
the 138 kV Transmission Lines Associated with :
the **Brunot Island-Crescent Project** in the City :
of Pittsburgh, McKees Rocks Borough, Kennedy :
Township, Robinson Township, Moon Township, :
and Crescent Township, Allegheny County :
Pennsylvania :
:

Duquesne Light Company

Statement No. 6-R

Written Rebuttal Testimony of

Jason Hartle

Topics Addressed: Landowner Notice And Public Outreach



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Jason Hartle, and my business address is 2825 New Beaver Avenue
4 Pittsburgh, PA 15233.

5
6 **Q. By whom are you employed?**

7 A. I am employed by Duquesne Light Company (“Duquesne Light” or the “Company”) as a
8 Senior Project Manager for the Operations Group.

9
10 **Q. What are your current responsibilities?**

11 A. I lead manage multiple capital and maintenance projects. I oversee projects from many
12 aspects, including: financial, planning, executing, monitoring and controlling and project
13 closeout. The projects currently in my portfolio include, transmission projects, substation
14 renovation and new build projects and various underground distribution enhancements.

15
16 **Q. Please provide a summary of your education and professional work experience.**

17 A. In 2002, I received a Bachelor of Science degree in Mechanical Engineering from the
18 University of Pittsburgh at Johnstown, PA.

19 My first professional occupation was at Electric Boat in Groton, CT, where I
20 worked as a mechanical engineer in the Mechanical Systems Group from July 2002 to
21 December 2006. My second professional occupation was at Westinghouse Electric
22 Company, where I worked as a field service engineer and project manager in the Field

1 Services Division, and a project manager and resource manager in the New Plants
2 Division from January 2007 until November 27, 2017. My third and current occupation
3 is with Duquesne Light Company in Pittsburgh, PA. I have been working in the
4 Operations and Project Management group with DLC since November 2017.

5
6 **Q. What are your responsibilities in connection with the proposed Project?**

7 A. I became the Project Manager for the Project on September 16, 2019. In my role as the
8 Project Manager, I am responsible for overseeing the overall planning, execution,
9 monitoring and controlling, and closeout of the Project and providing testimony with
10 regards to these areas of the line siting. “Application of Duquesne Light Company filed
11 Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Approval of the Siting and
12 Construction of the 138 kV Transmission Lines Associated with the **Brunot Island-**
13 **Crescent Project** in the City of Pittsburgh, McKees Rocks Borough, Kennedy Township,
14 Robinson Township, Moon Township, and Crescent Township, Allegheny County
15 Pennsylvania” at Docket No. A-2019-3008589 (“BI-Crescent Project”).

16
17 **Q. Did you previously submit testimony in this proceeding on behalf of Duquesne**
18 **Light?**

19 A. I have not previously submitted testimony in this proceeding.

20
21 **Q. What is the purpose of your rebuttal testimony?**

1 A. My testimony responds to certain issues raised by several of the Protestants in their oral
2 testimony at the September 10, 2019 lay witness hearing. Specifically, I will respond to
3 the Protestants' concerns regarding: (1) the Company's interactions with and notices
4 provided to landowners whose properties would be traversed by right-of-way associated
5 with the project; and (2) the Company's public outreach efforts before the filing of the
6 project.

7

8 **Q. How is the remainder of your rebuttal testimony organized?**

9 A. Section II will respond to the Protestants' claims that Duquesne Light has not conducted
10 sufficient public outreach regarding the BI-Crescent Project. Section II will also respond
11 to certain of the Protestants' allegations that they, or others, were not served with the
12 required notices associated with the Project. As explained below, the properties at (a)
13 306 Konter Road (which is the subject of Mrs. Adams' Protest and one of Mrs. Crowe's
14 Protests), (b) 205 Purdy Road (which is the subject of Mrs. Marinkovic's Protest), and (c)
15 many of the properties neighboring the 1123 Juanita Drive property (which is also the
16 subject of Mrs. Crowe's Protest) are not traversed by rights-of-way associated with
17 existing Duquesne Light facilities and no additional rights-of-way for these properties are
18 required to accommodate the BI-Crescent Project. In Section III, I will respond to certain
19 allegations by Mrs. Adams and Mrs. Crowe that Duquesne Light's employees and/or
20 agents have damaged and failed to repair damage to the property at 306 Konter Road. In
21 addition, I also respond to Mrs. Crowe's assertion that Duquesne Light has not contacted

1 her regarding her request for compensation associated with an alleged loss of timber
2 related to the right-of-way on 1123 Juanita Drive.

3
4 **Q. Are you sponsoring any exhibits associated with your rebuttal testimony?**

5 A. No.

6
7 **II. PUBLIC OUTREACH AND LANDOWNER NOTICE**

8 **Q. Mr. Hartle, did the Company describe its public outreach efforts in its direct
9 testimony?**

10 A. Yes. Duquesne Light witness Lesley Gannon addressed this issue in her direct testimony
11 (Duquesne Light St. 4).

12
13 **Q. Have any of the Protestants challenged the Company's public outreach efforts in
14 this proceeding?**

15 A. Yes. Mrs. Adams testified that members of the public were concerned and requested a
16 public input hearing. (Tr. 98-102) Mrs. Crowe testified that Pennsylvania State
17 Representative Valerie Gaydos had not been aware of the Project and that members of the
18 public were concerned. (Tr. 121-122) Ms. Marinkovic also testified that certain people
19 that attended a public meeting on August 29, 2019, would be affected by the Project and
20 had not received notification from Duquesne Light. (Tr. 154)

21
22 **Q. Please respond.**

1 A. In February of 2017, letters were distributed to property owners that owned property
2 along the current right-of-way planned for potential impact at the time of line siting
3 filing. (See Attachment 13 to the BI-Crescent Siting Application) The Project team
4 hosted three open houses at various locations in order to capture customer input and
5 educate property owners on the project. The first Project Open House was held on
6 February 21,2017 from 4 p.m. to 7 p.m. at the Crescent Township Municipal Building,
7 located at 225 Spring Run Road, Crescent, Pa 15046. The second Project Open House
8 was held on February 28,2017 from 2 p.m. to 7 p.m at the VFW Post 418 Hall, 1242
9 Chartiers Ave., McKees Rocks, Pa 15136, and the third Project Open House was held on
10 March 02, 2017 from 4 p.m. to 7 p.m, at the Kennedy Township Independent Volunteer
11 Fire Company, which is located at 1796 Pine Hollow Road, McKees Rocks, Pa 15136

12
13 **Q. How did Duquesne Light provide notice of these public meetings?**

14 A. The notice for the public meetings were distributed through two main methods. The first
15 method, involved the distribution and mailing of one of three different versions of letters
16 (included in Attachment 13 to the BI-Crescent Application) to all Duquesne Light
17 customers anticipated to be affected by the Project; each version of the letter was
18 developed based on the anticipated impact on each property. Each version of the letter
19 was designed to give each property owner information on the project and to invite them
20 to attend any one of three Project Open House Meetings held by Duquesne Light. Under
21 the second method, Duquesne Light contracted a media consultant to advertise online

1 with Geo-targeted internet advertisements to spread the news of the Project Open House
2 Meetings. These advertisements stated there was an open house regarding transmission
3 changes in the area and the date and appeared on AccuWeather.com, WPXI.com,
4 TribLive.com, NTD.TV, OnlyinYourState.com, Post-Gazette.com, 247Sports.com,
5 WTAE.com, Forbes.com, and Weather.com and were viewed by over 95,000 people.
6

7 **Q. Mr. Hartle, did the Company describe its efforts to serve landowners, including the**
8 **Protestants, with the notices attached to the Application as Attachment 13 in its**
9 **direct testimony?**

10 A. Yes. Duquesne Light witness Lesley Gannon addressed this issue in her direct testimony
11 (Duquesne Light St. 4).
12

13 **Q. Have any of the Protestants challenged the Company's efforts to served the required**
14 **notices included in Attachment 13 upon affected landowners?**

15 A. Yes. Mrs. Adams stated she did not receive Attachment 13. (Tr. 73) Mrs. Crowe asserts
16 that she did not receive Attachment 13, and that none of their neighbors were provided
17 with the form. (Tr. 125-26) Mrs. Marinkovic stated that she did not receive notification
18 from Duquesne Light regarding activities on Purdy Road. (Tr. 149-150)
19

1 **Q. Please respond to Mrs. Adams', Mrs. Crowe's and Mrs. Marinkovic's assertions**
2 **that they were not provided the notices included in Attachment 13 to the**
3 **Application.**

4 A. Only owners of properties on which the BI-Crescent Line is or was planned to be located
5 were mailed the notices in Attachment 13 to the Application. Mrs. Adams and Mrs.
6 Marinkovic did not receive the notices included in Attachment 13 to the Application
7 because the BI-Crescent Line does not cross their respective properties (i.e., 306 Konter
8 Road and 205 Purdy Road). For similar reasons, Mrs. Crowe did not receive a notice
9 associated with the 306 Konter Road property.

10 Jennifer and John Crowe were, however, sent a notice with respect to 1123
11 Juanita Drive because the 1123 Juanita Drive property is traversed by right-of-way
12 associated with the BI-Crescent Project.

13
14 **Q. Please respond to Mrs. Crowe's and Mrs. Marinkovic's assertions that their**
15 **neighbors were not provided with the notices included in Attachment 13 to the**
16 **Application.**

17 A. Duquesne Light witness Lesley Gannon (Duquesne Light St. 4-R (A-2019-3008589)
18 more fully explains the location of Duquesne Light's rights-of-way and the proposed
19 facilities relative to 306 Konter Road, 205 Purdy Road and 1123 Juanita Drive. Any
20 properties owned by Mrs. Crowe's or Mrs. Marinkovic's neighbors that are not expected

1 to be traversed by the BI-Crescent Project would not have been mailed these notices,
2 because their properties would not be impacted by the proposed facilities.

3
4 **III. ISSUES RELATED TO INTERACTIONS WITH THE ADAMS AND CROWE**
5 **OWNERS**

6 **Q. Did Mrs. Adams and Mrs. Crowe raise any issues related to the alleged actions of**
7 **Duquesne Light's employees and/or agents with respect to the property located at**
8 **306 Konter Road?**

9 A. Yes, they testified that Duquesne Light and/or its have damaged and have failed to repair
10 damage to the property at 306 Konter Road (see e.g., Tr. 91-92, 120, Exhibit Adams 16).

11
12 **Q. Does Mrs. Crowe raise any other issues with Duquesne Light's right-of-way**
13 **acquisition activities with respect to the 1123 Juanita Drive property?**

14 A. Yes. Mrs. Crowe asserts that Duquesne Light has not engaged her to discuss her Protest
15 or compensation associated with an alleged loss of timber related to the right-of-way on
16 1123 Juanita Drive. (Tr. 127-129)

17
18 **Q. Please respond.**

19 A. Duquesne Light is investigating these claims and will contact Mrs. Crowe and Mrs.
20 Adams once it completes its investigation.

21
22 **Q. Does this complete your rebuttal testimony at this time?**

1 A. Yes. I reserve the right to supplement my testimony as additional issues arise during the
2 course of this proceeding.