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File #: 140066

June 28, 2016

VIA HAND DELIVERY

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Letter of Notification of PPL Electric Utilities Corporation, Filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Expedited Approval of an Approximately 1,760-Foot New 500 kV Gas Insulated Line in Shamokin Dam Borough, Snyder County, Pennsylvania to Interconnect a New Independent Power Producer to the Electric Grid - Docket No. A-2016-

Dear Secretary Chiavetta:

Enclosed for filing is the Letter of Notification of PPL Electric Utilities Corporation in the above-referenced proceeding. A CD containing a copy of the Letter of Notification and Attachments in Support of the Letter of Notification is also enclosed.

As indicated on the Certificate of Service, copies of the Letter of Notification are being served by certified mail, return receipt requested upon the involved governmental agencies, municipalities and property owners.

Subject to Commission approval, the project has a scheduled in-service date of March 1, 2017.

If you have any questions concerning this matter, please contact me at the address or telephone numbers provided above.

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2016 JUN 28 PM 3:32
PA PUC
SECRETARY'S BUREAU

Rosemary Chiavetta, Secretary
June 28, 2016
Page 2

Respectfully submitted,



Christopher T. Wright

CTWjl
Enclosures

- cc: Certificate of Service
- Office of Consumer Advocate
- Office of Small Business Advocate
- Bureau of Investigation & Enforcement
- Robert F. Young
- Paul T. Diskin
- Yasmin Snowberger
- Kimberly Hafner

RECEIVED
2016 JUN 28 PM 3:38
PA PUC
SECRETARY'S BUREAU

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Letter of Notification of PPL Electric :
Utilities Corporation, Filed Pursuant to 52 :
Pa. Code Chapter 57 Subchapter G, for : Docket No. A-2016-_____
Expedited Approval of an Approximately :
1,760-Foot New 500 kV Gas Insulated :
Line in Shamokin Dam Borough, Snyder :
County, Pennsylvania to Interconnect a :
New Independent Power Producer to the :
Electric Grid :

LETTER OF NOTIFICATION

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

PPL Electric Utilities Corporation ("PPL Electric") hereby files, pursuant to 52 Pa. Code § 57.72(d), this Letter of Notification to seek expedited approval from the Pennsylvania Public Utility Commission ("Commission") for an approximately 1,760-foot 500 kV Gas Insulated Line ("GIL") necessary to interconnect an independent power producer, Hummel Station LLC ("Hummel Station"), with the electric grid (the Project). The proposed Project will be located entirely on PPL Electric's Sunbury 500-230-138-69 kV Substation property located in Shamokin Dam Borough, Snyder County, Pennsylvania.

The proposed Project is necessary to connect the new Hummel Station to the electric grid. The Project has been reviewed and approved through the PJM Interconnection LLC ("PJM") generation interconnection process. The Project has a scheduled in-service date of March 1, 2017. Therefore, PPL Electric respectfully requests that the Commission consider this Letter of Notification on an expedited basis. In support thereof, PPL Electric states as follows:

I. INTRODUCTION

1. This Letter of Notification is filed by PPL Electric, a public utility that provides electric distribution, transmission, and provider of last resort services in Pennsylvania subject to the regulatory jurisdiction of the Commission.

2. PPL Electric's address is PPL Electric Utilities Corporation, Two North Ninth Street, Allentown, Pennsylvania 18101.

3. PPL Electric's attorneys are:

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PPL Electric's attorneys are authorized to receive all notices and communications regarding this Letter of Notification.

4. PPL Electric furnishes electric service to approximately 1.4 million customers throughout its certificated service territory, which includes all or portions of twenty-nine counties and encompasses approximately 10,000 square miles in eastern and central Pennsylvania. PPL Electric is a "public utility" and an "electric distribution company" as defined in Sections 102 and 2803 of the Pennsylvania Public Utility Code, 66 Pa.C.S. §§ 102, 2803.

5. PPL Electric owns approximately 5,000 miles of transmission lines operating at 69 kV (kilovolts) or higher, approximately 375 substations with a capacity of 10 MVA

(megavolt amperes) or more, and approximately 43,000 miles of distribution lines operating at less than 69 kV.

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

- Attachment 1 Necessity Statement
- Attachment 2 Engineering Statement
- Attachment 3 Description of the Project Area

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

II. THE PROJECT

A. NEED FOR THE PROJECT

8. Hummel Station plans to repurpose the site of the former coal-fired Sunbury Power Plant, which was retired from operation in 2014, and to construct a new combined-cycle, natural gas-fired power plant. The new Hummel Station will be capable of generating approximately 1,100 MW of electricity. In order to deliver the power into the electric grid, the Hummel Station must interconnect with the existing transmission system.

9. Transmission Owners, such as PPL Electric, are required by federal law to provide open access to their transmission systems.

10. Through the PJM generation interconnection process described in Attachment 1 to this Letter of Notification, PJM and PPL Electric determined that the Hummel Station will tie into the existing Susquehanna-Roseland 500 kV Transmission Line by interconnecting with the existing Sunbury 500-230-138-69 kV Substation. The Hummel Substation will be interconnected to the Sunbury Substation through a new 500 kV GIL.

11. The need for this Project, including a description of the Hummel Station interconnection request and PJM approval, is provided in Attachment 1 to this Letter of Notification.

B. THE PROPOSED PROJECT

12. The proposed new Hummel Station will be located adjacent to PPL Electric's existing Sunbury 500-230-138-69 kV Substation property in Shamokin Dam Borough, Snyder County, Pennsylvania.

13. Under the Interconnection Construction Service Agreement, Hummel Station requested the "Option to Build" the facilities necessary to interconnect the new power plant with the existing transmission system. Under the "Option to Build," Hummel will construct the new 500 kV GIL that will extend approximately 1,760 feet between the point of interconnection and the PPL Electric-owned Sunbury Substation. Upon completion, the 500 kV GIL will be owned, operated, and maintained by PPL Electric.

14. The entire Project will be located on PPL Electric's Sunbury Substation property. A diagram of the proposed transmission system is provided in Figure 1-2 of Attachment 1 to this Letter of Notification.

15. The GIL will be approximately 5 feet from the ground surface, except in three locations where the height will increase to approximately 24 feet to accommodate two vehicle access points and a substation control building. Diagrams of the proposed new 500 kV GIL are provided as Figures 2-1 and 2-2 of Attachment 2 to this Letter of Notification.

16. An engineering description of the proposed new 500 kV GIL is provided in Attachment 2 to this Letter of Notification.

17. The estimated cost to design and construct the proposed new 500 kV GIL is approximately \$7.1 million.¹ The entire cost of the Project will be the responsibility of Hummel Station.

III. HEALTH AND SAFETY

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

19. The Project will be designed, constructed, operated, and maintained in a manner that meets all applicable National Electrical Safety Code ("NESC") minimum standards and all applicable legal requirements.

20. Electromagnetic fields outside a GIL will be negligible as explained in Attachment 2 to this Letter of Notification.

21. No communication towers, pipelines, or other utilities will be affected by the Project.

22. The closest airport is the Penn Valley Airport, a public facility, which is located approximately 1.9 miles southwest of the Project area. PPL Electric does not anticipate any interference with airport operations because of the distance from the Project area, the presence of existing electrical facilities in the Project area, and the low height of the proposed new 500 kV GIL. However, PPL Electric will file any required documentation with both the Federal Aviation Administration and the Pennsylvania Department of Transportation Bureau of Aviation.

IV. DESCRIPTION OF THE PROJECT AREA

¹ The estimated cost for the proposed Project is an order-of-magnitude estimate developed using averages of recent costs for similar projects and without an in-depth analysis or field investigation. The estimated cost is subject to change as the constructability of the Project, sequence of construction, and other factors that may affect cost are identified and analyzed as the Project progresses.

23. The proposed Project will be located entirely on PPL Electric's Sunbury 500-230-138-69 kV Substation property located in Shamokin Dam Borough, Snyder County, Pennsylvania. An aerial exhibit of the Project site is provided in Attachment 1.

24. The Sunbury Substation property currently is cleared of vegetation and is traversed by several other high voltage transmission lines as explained in Attachment 1. In areas where vegetation management is required to complete the Project, PPL Electric will apply its "Specifications for Initial Clearing and Control of Vegetation On or Adjacent to Electric Line Right-of-Way Through Use of Herbicides, Mechanical and Hand Clearing Techniques" to mitigate any impacts.

25. Land use impacts are anticipated to be minimal because the entire Project will be constructed in the vicinity of the several existing transmission lines, and because the entire Project will be located on the Sunbury Substation property.

26. The Project will not affect any unique geological, scenic, or natural areas.

27. The Project will not affect any recreational areas or natural landmarks.

28. The Project will have no impacts on historic structures, or archaeological resources.

29. The Project will not cross any streams or impact any wetlands. All permits required will be obtained by Hummel Station. PPL Electric will comply with all of the terms and conditions placed on those permits.

30. PPL Electric also will comply with soil erosion and sedimentation control permits obtained by Hummel Station, and PPL Electric will comply with any conditions placed on those permits.

31. Hummel Station has coordinated with state and federal agencies to obtain information regarding threatened and endangered species in close proximity to the Project area. Based on these consultations, no threatened and endangered species are known to occur within the Project area and no further consultations are required.

V. NOTICE

32. PPL Electric and/or Hummel Station has provided information regarding the Project to representatives of Shamokin Dam Borough and Snyder County.

33. Copies of this Letter of Notification will be served on the governmental agencies, municipalities, and other public entities agencies in accordance with 52 Pa. Code § 57.72(d)(3).

34. PPL Electric has provided information regarding the Project to all owners of property within the Project area.

35. Copies of this Letter of Notification will be served on these landowners in accordance with 52 Pa. Code § 57.72(d)(3).

VI. LETTER OF NOTIFICATION

36. PPL Electric is proceeding by means of a Letter of Notification instead of a full Siting Application, pursuant to the Commission's regulations at 52 Pa. Code § 57.72(d)(1) (vi).

37. As explained above, PPL Electric herein seeks Commission approval to for an approximately 1,760 feet (or approximately 0.3 miles) of new 500 kV GIL. PPL Electric submits that this proposed Project qualifies for use of a Letter of Notification because the project is less than two miles.

38. This Letter of Notification is filed on the date set forth below. As provided in 52 Pa. Code § 57.72(d)(5), the Commission will review and, by order, approve or disapprove this Letter of Notification. If the Commission approves this Letter of Notification, the proposed

Project will be constructed as proposed herein without the formal application process set forth at 52 Pa. Code §§ 57.71, *et seq.*

VII. EXPEDITED CONSIDERATION

39. As explained in Attachment 1 to this Letter of Notification, Transmission Owners, such as PPL Electric, are required by federal law to provide open access to their transmission systems.

40. Through the PJM generation interconnection process described in Attachment 1 to this Letter of Notification, PJM and PPL Electric determined that the proposed Project is necessary to connect the planned new Hummel Station to the electric grid.

41. The Hummel Station is scheduled to begin testing operations on March 1, 2017, and to begin commercial operation in September 2017.

42. In order to ensure that the Hummel Station is interconnected with the electric grid at the time it begins testing operations, PPL Electric's proposed Project must be in-service by March 1, 2017.

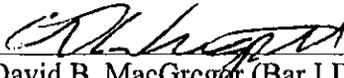
43. Therefore, PPL Electric respectfully requests that the Commission consider this Letter of Notification on an expedited basis.

VIII. CONCLUSION

WHEREFORE, PPL Electric Utilities Corporation respectfully requests that the Pennsylvania Public Utility Commission (i) consider this Letter of Notification on an expedited basis, and (ii) approve the approximately 1,760-foot 500 kV Gas Insulated Line that is necessary to interconnect the future new Hummel Station in Shamokin Dam Borough, Snyder County, Pennsylvania, as explained above and in the attachments hereto.

Respectfully submitted,

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Date: June 28 2016

Attorneys for PPL Electric Utilities Corporation

ATTACHMENT 1
HUMMEL STATION 500 kV GAS INSULATED LINE
NECESSITY STATEMENT

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D.	PROPOSED SYSTEM.....	4

LIST OF FIGURES

Figure 1-1 - Diagram of Existing Facilities

Figure 1-2 - Diagram of Proposed Facilities

A. INTRODUCTION

PPL Electric Utilities Corporation (PPL Electric) seeks approval from the Pennsylvania Public Utility Commission (Commission or PUC) for an approximately 1,760-foot 500 kV Gas Insulated Line (GIL) necessary to interconnect an independent power producer, Hummel Station LLC (“Hummel Station”), with the electric grid (the Project). The proposed new 500 kV GIL will be constructed by Hummel Station, but will be owned and operated by PPL Electric upon completion. The proposed Project will be located entirely on PPL Electric’s Sunbury 500-230-138-69 kV Substation property located in Shamokin Dam Borough, Snyder County, Pennsylvania.

As explained below, Transmission Owners, such as PPL Electric, are required by federal law to provide open access to their transmission systems. Through the PJM Interconnection LLC (“PJM”) generation interconnection process described below, PJM and PPL Electric determined that the proposed Project is necessary to connect the new Hummel Station to the electric grid.

The estimated cost to design and construct the proposed new 500 kV GIL is approximately \$7.1 million.¹ The entire cost of the Project will be the responsibility of Hummel Station.

The Project has a scheduled in-service date of March 1, 2017. Therefore, PPL Electric respectfully requests that the Commission consider this Letter of Notification on an expedited basis.

B. EXISTING SYSTEM

The new Hummel Station is located on property that is adjacent to PPL Electric’s existing Sunbury 500-230-138-69 kV Substation property in Shamokin Dam Borough, Snyder County, Pennsylvania. The Sunbury Substation currently is interconnected with two 500 kV transmission lines that are part of PPL Electric’s Susquehanna-Roseland 500 kV Transmission

¹ The estimated cost for the proposed Project is an order-of-magnitude estimate developed using averages of recent costs for similar projects and without an in-depth analysis of field investigation. The estimated cost is subject to change as the constructability of the Project, sequence of construction, and other factors that may affect cost are identified and analyzed as the Project progresses.

Line: the Juniata-Sunbury and Sunbury-Susquehanna 500 kV Transmission Lines. The Sunbury Substation currently is interconnected with four 230 kV transmission lines: the Elimsport-Sunbury, Eldred-Sunbury, Sunbury-Susquehanna, and Milton-Sunbury 230 kV Transmission Lines. The Sunbury Substation currently also is interconnected with one 138 kV transmission line, the Milton-Sunbury 138 kV Transmission Line, and a total of ten existing 69 kV circuits. A diagram of the existing transmission system is provided as **Figure 1-1**.

C. NEED FOR THE PROJECT

1. Overview of PJM's Role

Transmission Owners, such as PPL Electric, are required by federal law to provide open access to their transmission systems. In 1996, the Federal Energy Regulatory Commission ("FERC") issued Order No. 888 which required Transmission Owners to offer access to their transmission systems to third-parties on a non-discriminatory basis. FERC's Order No. 890 required open and transparent transmission planning. Both orders focused on creating a level playing field to make the transmission system accessible to all market participants at fair prices. FERC Order No. 1000, which was issued in the summer of 2011, requires local transmission planners to participate in regional planning processes. It also requires regional authorities to allow cost recovery for transmission that is necessary to achieve public policy goals, which include bringing clean and renewable power to market. Finally, FERC Order No. 1000 provides procedures for non-incumbent developers (non-Transmission Owners) to construct, operate and maintain new transmission facilities necessary to interconnect with the electric grid.

As a FERC-approved Regional Transmission Organization (RTO), PJM administers the process for the interconnection of all new generation facilities to the PJM Transmission Grid, pursuant to the PJM Open Access Transmission Tariff – Part VI (Interconnections with the Transmission System), Subpart A – Generation Interconnection Procedures. PJM's queue-based interconnection process offers developers the flexibility to explore their respective generation interconnection business opportunities.

Under these procedures, new generation applicants may request interconnection service by submitting an Interconnection Request. As part of the Interconnection Request, the generator requesting interconnection is required to identify points of interconnection with the PJM

transmission grid. Upon receipt of the completed Interconnection Request, the project is placed in a PJM interconnection queue.

PJM staff, in coordination with any affected Transmission Owner(s), undertakes a Generation Interconnection Feasibility Study and System Impact Study. The Generation Interconnection Feasibility Study assesses the practicality and cost of interconnecting the generating unit into the PJM system. The System Impact Study is a comprehensive regional analysis of the impact of adding the new generation facility to the system and an evaluation of the impact on deliverability to PJM load in the particular PJM region where the generator facility is located.

Upon completion of the Generation Interconnection Feasibility Study and System Impact Study, a Generation Interconnection Facilities Study is performed by PJM, in coordination with any affected Transmission Owner(s). The Generation Interconnection Facilities Study documents the engineering design work necessary to begin construction of any transmission facilities required to interconnect the new generation with the electric grid. The Generation Interconnection Facilities Study also provides the cost estimate for the facilities and network upgrades necessary to accommodate the project, as well as an estimate of the time required to complete detailed design and construction of the facilities and upgrades.

If the results of the Generation Interconnection Facilities Study are acceptable to the new interconnection applicant and the affected Transmission Owner(s), an Interconnection Construction Service Agreement is executed. The construction of any interconnection facilities required to interconnect a generator project with the PJM transmission grid is performed in accordance with the terms and conditions specified in the Interconnection Construction Service Agreement. In addition, the new interconnection applicant for transmission service has the right, but not the obligation, to design and install all or any portion of the facilities necessary to interconnect with the Transmission Owner(s) system ("Option to Build").²

² In addition to the other terms and conditions applicable to the construction of facilities under the Option to Build, the applicant seeking transmission service must also: (a) obtain all necessary permits and authorizations; (b) obtain all necessary land rights; (c) accept the exclusive right and obligation of the Interconnected Transmission Owner to perform line tie-in work and to calibrate remote terminal units and relay settings; (d) follow accepted procedures to have those facilities that it builds successfully inspected, tested and energized; (e) arrange for all work to be performed by contractors, and using equipment manufacturers or vendors, that are listed on the Interconnected Transmission Owner's List of

2. The Hummel Station

The Hummel Station is a new combined-cycle, natural gas-fired power plant capable of generating approximately 1,100 MW of electricity. Combined-cycle power plants operate at higher efficiencies than traditional fossil fuel plants by capturing much of the energy contained in the hot exhaust from the natural gas combustion turbines to generate additional electricity. Using that energy, which otherwise would be wasted as hot air, is a major benefit of the combined-cycle design.

The new Hummel Station will repurpose the site of the former coal-fired Sunbury Power Plant, which was retired from operation in 2014. Upon completion, the Hummel Station will produce approximately 180% more electricity than the retired Sunbury Power Plant. By repurposing the site of the former Sunbury Power Plant, the Hummel Station will utilize the retired plant's existing water intake, stormwater runoff control systems, and other pertinent infrastructure. The Hummel Station will be fueled with Marcellus Shale-derived natural gas. The Hummel Station is scheduled to begin testing and commissioning power on March 1, 2017, and it is expected to enter commercial operation in September 2017.

D. PROPOSED SYSTEM

In order to deliver the power into the electric grid, the Hummel Station must interconnect with the existing transmission system. Through the PJM interconnection process described above, PJM and PPL Electric determined that the Hummel Station will tie into the existing Susquehanna-Roseland 500 kV Transmission Line by interconnecting with the existing Sunbury Substation. The Hummel Substation will be interconnected to the Sunbury Substation through a new 500 kV GIL. The point of interconnection (POI) will be at the building for the Hummel Station-owned gas insulated substation (GIS).

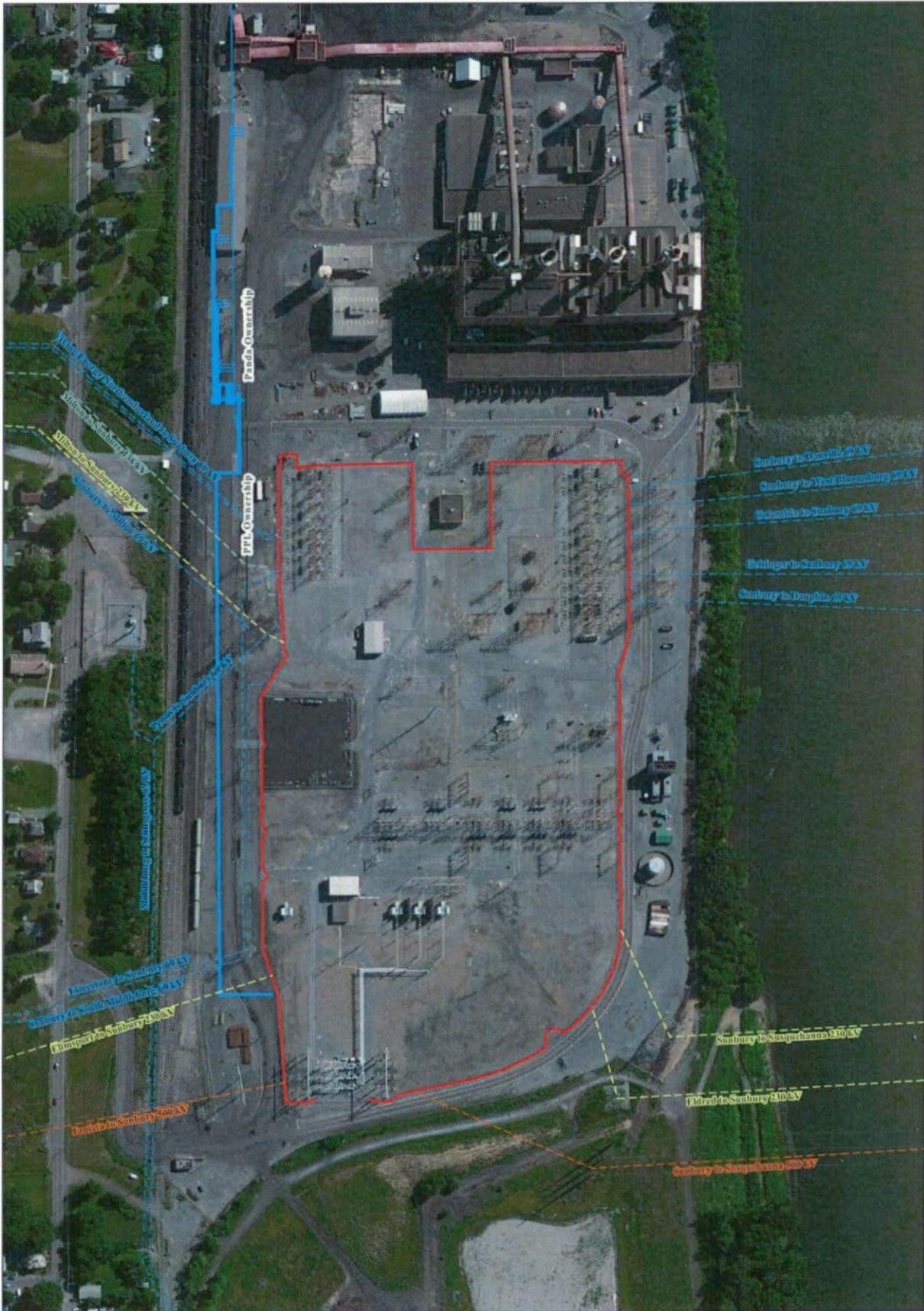
Approved Contractors; (f) allow the Interconnected Transmission Owner full site control and reasonable access to its property at all times; (g) allow the Interconnected Transmission Owner to have a reasonable number of appropriate representatives present for all work done on its property/facilities and the right to stop work or order corrective measures for any work with an adverse effect on reliability, safety or security of persons or of property; (h) comply with the Interconnected Transmission Owner's safety, security and work rules, environmental guidelines and training requirements applicable to the area(s) where construction activity is occurring; and (i) submit to the Interconnected Transmission Owner and PJM initial drawings, certified by a registered professional engineer, of the Transmission Owner Interconnection Facilities that the Interconnection Customer/Developer arranges to build under the Option to Build.

Under the Interconnection Construction Service Agreement, Hummel Station requested the "Option to Build" the facilities necessary to interconnect the new power plant with the existing transmission system. Under the "Option to Build," Hummel Station will construct a new 500 kV GIL that will extend approximately 1,760 feet between the new power plant and the Sunbury Substation. Upon completion, PPL Electric will own, operate, and maintain the 500 kV GIL that extends between the Hummel Station GIS (the POI) and the Sunbury Substation.

The Hummel Station interconnection request and approval are available on the PJM website at: <http://www.pjm.com/planning/generation-interconnection/generation-queue-active.aspx>. The Hummel Station was approved in the PJM Generation Interconnection Queue under the following queue numbers: X2-025, X4-019, Z1-090.

A diagram of the proposed transmission system is provided in **Figure 1-2**. The estimated cost to design and construct the proposed new 500 kV GIL is approximately \$7.1 million. The entire cost of the Project will be the responsibility of Hummel Station.

The Hummel Station is scheduled to begin testing operations on March 1, 2017, and to begin commercial operation in September 2017. In order to ensure that the Hummel Station is interconnected with the electric grid at the time it begins operations, the Project has a scheduled in-service date of March 1, 2017. Therefore, PPL Electric respectfully requests that the Commission consider this Letter of Notification on an expedited basis.



Legend			Hummel 500 kV Gas Insulated Line Project Figure 1-3 Proposed Facilities Aerial
Existing Substation Yard Fenceline Hummel GIL 500 kV	Existing Transmission Line 69 kV Existing Transmission Line 138 kV Existing Transmission Line 230 kV Existing Transmission Line 500 kV		

**ATTACHMENT 2
HUMMEL STATION 500 KV GAS INSULATED LINE
ENGINEERING STATEMENT**

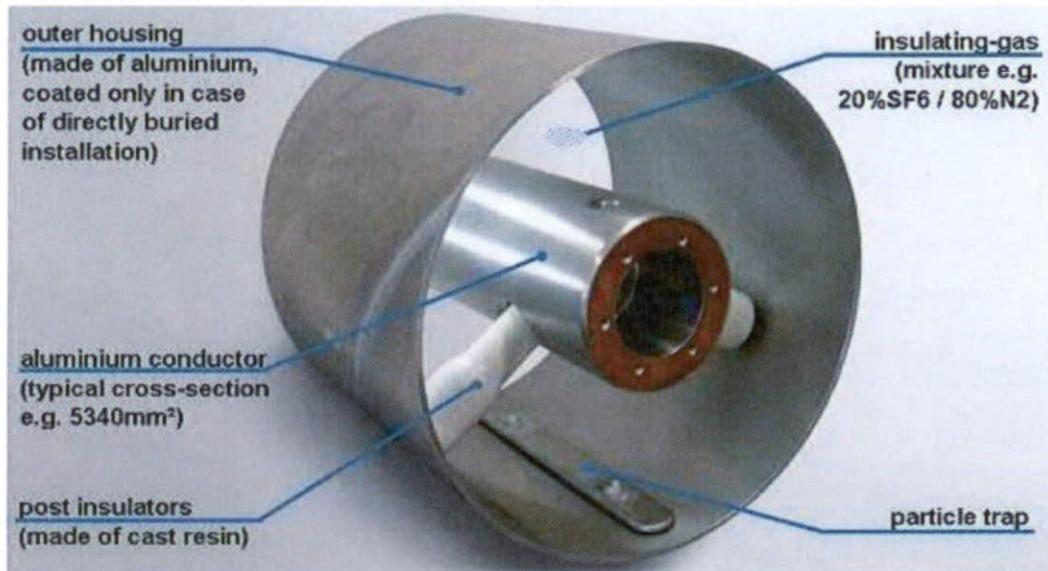
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A. DESCRIPTION OF THE PROPOSED LINE

PPL Electric Utilities Corporation (PPL Electric) seeks approval from the Pennsylvania Public Utility Commission (Commission or PUC) for an approximately 1,760-foot 500 kV Gas Insulated Line (GIL) necessary to interconnect an independent power producer, Hummel Station LLC (Hummel Station), with the electric grid (the Project). The proposed Project will be located entirely on PPL Electric's Sunbury 500-230-138-69 kV Substation property located in Shamokin Dam Borough, Snyder County, Pennsylvania.

The proposed new 500 kV transmission line will be a GIL. GILs provide technical, environmental, and operational features that make them a very good alternative wherever the transmission of high voltage electricity is needed within restricted or congested spaces. GILs consist of two concentric aluminum tubes. The inner electric conductor is rests on cast resin insulators, which center it within the outer enclosure. The outer enclosure is formed by a sturdy aluminum tube, which provides a solid mechanical containment or conduit for the high voltage conductor. Unlike typical "open-air" conductors that use ambient air as an electrical insulating medium, the outer enclosure of a GIL is filled with an insulating gas mixture as that acts as the insulating medium. This allows the outer enclosure to be at ground potential, and safe to touch. See the diagram below.



The proposed new 500 kV GIL will extend approximately 1,760 feet between the point of interconnection located at the Hummel Station-owned gas insulated substation (GIS) and the PPL Electric-owned Sunbury Substation. The GIL will be constructed approximately 5 feet from the ground surface, except in three locations where the height will increase to approximately 24 feet to accommodate two vehicle access points and a substation control building. The entire Project will be located on PPL Electric's Sunbury Substation property. Diagrams of the proposed new 500 kV GIL are provided as **Figures 2-1** and **2-2**.

The proposed new GIL will be a single circuit 500 kV transmission line comprised of three independent phases of GIL, rated for 3,000 Amps of current. The support structures for the 500 kV GIL will be structural steel mounted on cast-in-place concrete foundations. The proposed new 500 kV GIL will be designed to comply with applicable National Electrical Safety Code (NESC) standards.

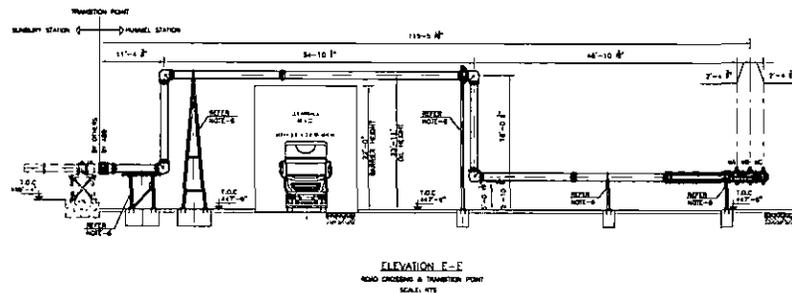
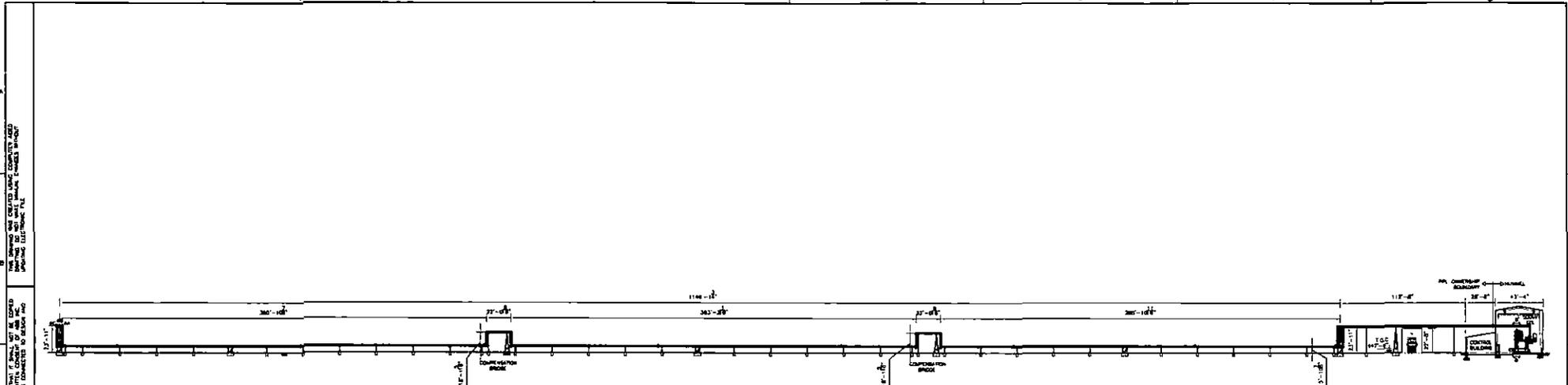
The estimated cost to design and construct the proposed new 500 kV GIL is approximately \$7.1 million. The entire cost of the Project will be the responsibility of Hummel Station.

B. MAGNETIC FIELD MANAGEMENT

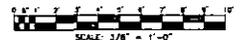
PPL Electric's Magnetic Field Management Program is applied to new and reconstructed transmission line projects. The Company does not believe that the current scientific evidence demonstrates that magnetic fields cause any adverse health effects or pose a health or safety danger to the public. Nevertheless, PPL Electric has determined, as a matter of policy, to design its new and rebuilt transmission lines to reduce magnetic fields when that can be done at low or no cost and consistent with functional requirements. PPL Electric's Magnetic Field Management Program has been developed to implement that policy decision. To reduce magnetic field exposures, the program generally prescribes the use of a line design that provides five feet higher ground clearance than NESC standards, and reverse phasing of new double-circuit lines where it is feasible to do so at low or no cost.

PPL Electric's Magnetic Field Management Program does not apply to GILs. However, the conductor current in a GIL induces a reverse current within the enclosure. As a result, the electromagnetic field outside the GIL will be negligible.

Figure 2-1



NOTES:
1. REFER SHEET-01 FOR GENERAL NOTES AND LEGEND



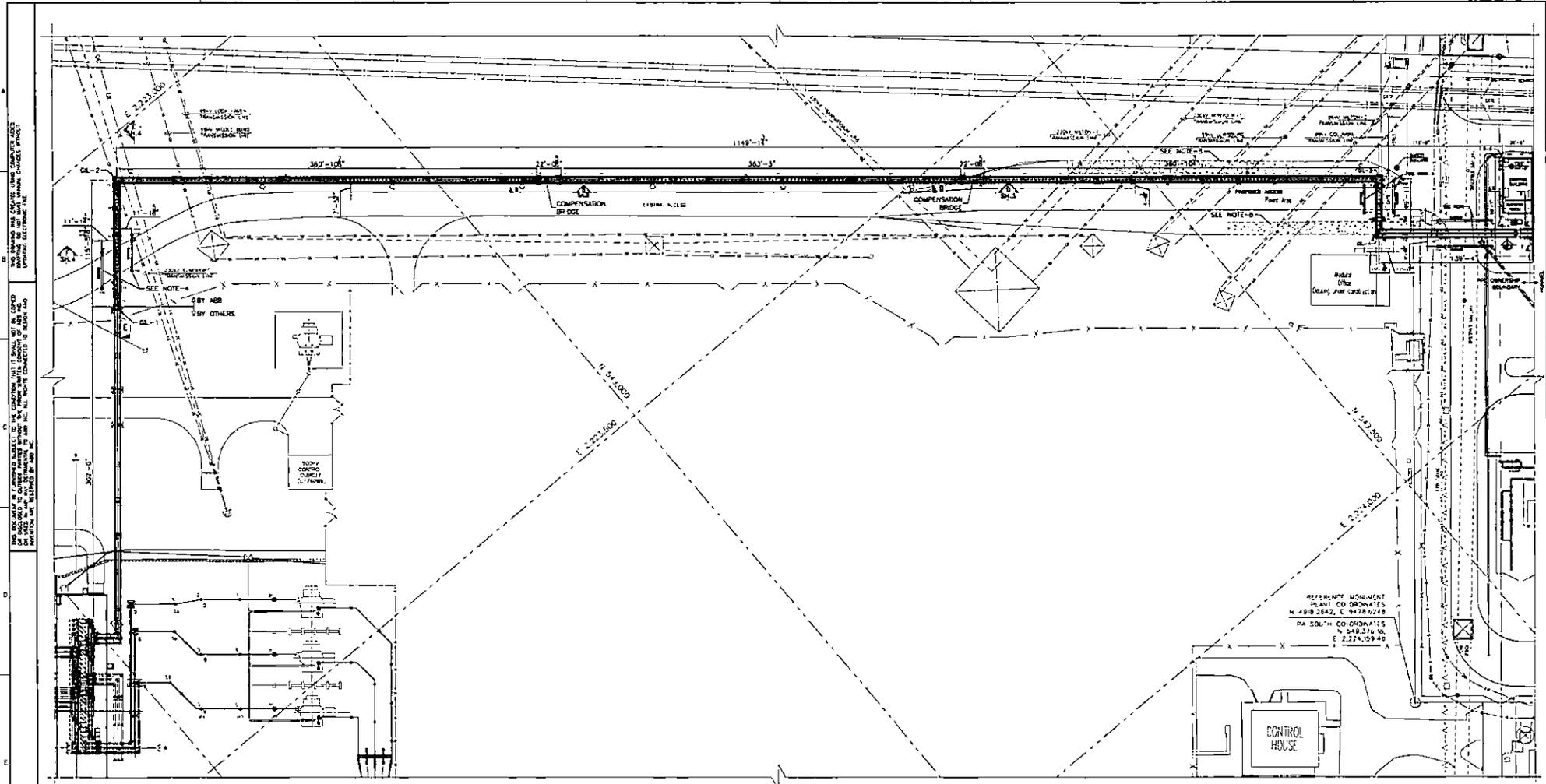
		BECHTEL DEDICATED TO SAFETY EXCELLENCE - ZERO ACCIDENTS FREDERICK, MARYLAND	JCC NUMBER: 2,999
ASBIP ASBIP Substations (PSS)			
TITLE: HUNNEL STATION PROJECT GENERAL ARRANGEMENT MODV G/L ELEVATIONS			
SCALE: AS SHOWN	DRAWING NO.:	DRW-E16155-L001	SHEET CONFIG. NO.:

THIS DOCUMENT IS A PROPERTY OF BECHTEL. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

NO	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD BY	CHECKED BY	APP'D BY	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD BY	CHECKED BY	APP'D BY	DATE
0	02/17/2018	ISSUED FOR REVIEW	SP	NSR	VJ/PH	RBS							

- CONCEPT
- FOR INFORMATION ONLY
- FOR APPROVAL
- FOR MANUFACTURE
- FOR CONSTRUCTION
- FOR RECORD

Figure 2-2

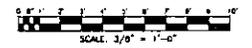
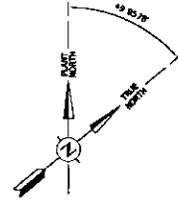


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- NOTES**
1. REFER SHEET-G1 FOR GENERAL NOTES AND LEGEND
 2. THE DL-1 CO-ORDINATE REPRESENTS THE TRANSITION POINT BETWEEN MAINLINE AND SUBSIDIARY DL AT PHASE-B

GIL CO-ORDINATES

	DL NORTH CO-ORDINATES	PLANT CO-ORDINATES
DL-1	N 548705.4201	N 5280.9745
NOTE-1	E 2223122.7057	E 8797.8823
DL-2	N 548770.2097	N 5395.4486
	E 2223533.8014	E 8297.8823
DL-3	N 548628.4631	N 5395.4486
	E 2223772.8070	E 9446.8084
DL-4	N 549627.3377	N 5346.3142
	E 2223811.1253	E 9446.8084



NO.	DATE	REVISION DESCRIPTION	DRAWN BY	CHKD BY	CHECKED BY	APP'D BY	NO.	DWG.	REVISION DESCRIPTION	DRAWN BY	CHKD BY	CHECKED BY	APP'D BY	NO.
2	02/17/2016	REVISED BASED ON LATEST CIVIL FOUNDATION LAYOUT	SP	NSR	LL/ARH	RBS								
1	01/18/2016	REVISED AS PER BECHTEL COMMENTS 01/12/08/2015	SP	NSR	WJ/ARH	RBS								
0	10/15/2015	ISSUED FOR APPROVAL	SP	NSR	WJ/ARH	RBS								

DRAWN BY	SP
CHKD BY	NSR
CHECKED BY	WJ/ARH
APP'D BY	RBS

BECHTEL

DEDICATED TO SAFETY EXCELLENCE - ZERO ACCIDENTS
PROGRESS - MARKING

ABB
Substations (PSS)

TRANEL STATION PROJECT
GENERAL ARRANGEMENT
300V GIL PLAN

JOB NUMBER
7596

SCALE
AS SHOWN

DRAWING NO.
DW-E-16155-1001

SHEET GROUP NO.
2 3 1 2

ATTACHMENT 3
HUMMEL STATION 500 KV GAS INSULATED LINE
DESCRIPTION OF THE PROJECT AREA

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D. <u>VEGETATION MANAGEMENT</u>	2

A. DESCRIPTION OF THE PROJECT AREA

PPL Electric Utilities Corporation (PPL Electric) seeks approval from the Pennsylvania Public Utility Commission (Commission or PUC) for an approximately 1,760-foot 500 kV Gas Insulated Line (GIL) necessary to interconnect an independent power producer, Hummel Station LLC (Hummel Station), with the electric grid (the Project). The proposed Project will be located entirely on PPL Electric's Sunbury 500-230-138-69 kV Substation property located in Shamokin Dam Borough, Snyder County, Pennsylvania.

The Sunbury Substation property currently is cleared of vegetation and is traversed by several other high voltage transmission lines as explained in Attachment 1. An aerial exhibit of the Project site is provided in Attachment 1.

B. LAND USE

Impacts to land use are anticipated to be minimal because the Project will be constructed in the vicinity of several existing transmission lines, and because the entire Project will be located on the Sunbury Substation property. The temporary increase in construction-related traffic to and from the site could potentially impact traffic in the nearby vicinity; however, any effects on traffic would only be temporary.

No communication towers, pipelines, or other utilities will be affected by proposed Project. The closest airport is the Penn Valley Airport, a public facility, which is located approximately 1.9 miles (10,000 linear feet) southwest of the Project. PPL Electric does not anticipate any interference with airport operations because of the distance from the Project area, the presence of existing electrical facilities in the Project area, and the fact that the new 500 kV GIL will be built relatively close to ground surface. However, PPL Electric will file any required documentation with both the Federal Aviation Administration and the Pennsylvania Department of Transportation Bureau of Aviation.

C. ENVIRONMENTAL ASSESSMENT

The Project will be constructed entirely within the existing and previously developed Sunbury Substation property. As a result, the proposed Project will have no impacts on historic structures, or archaeological resources. Notwithstanding, PPL Electric or Hummel Station will review the Project with the Pennsylvania Historical and Museum Commission (PHMC).

The Project will not affect any unique geological, scenic or natural areas. Further, there are no state lands, national parks, state parks, local parks, recreational areas or natural landmarks located within the project area.

The Project will not cross any streams or impact any wetlands. Hummel Station has consulted with the various jurisdictional agencies, and has obtained or is in the process of obtaining all required project permits. PPL Electric will comply with all of the terms and conditions placed on those permits. PPL Electric also will comply with the soil erosion and sedimentation control permits obtained by Hummel Station, and PPL Electric will comply with any conditions placed on those permits.

The Project will have no impacts to threatened and endangered species because the proposed project will be located entirely on the existing Sunbury Substation site. Hummel Station has coordinated with state and federal agencies to obtain information regarding threatened and endangered species in close proximity to the Project area. Based on these consultations, no threatened and endangered species are known to occur within the Project area and no further consultations are required.

D. VEGETATION MANAGEMENT

The Project site currently has been cleared of vegetation. In the event vegetation management is required to complete the Project, PPL Electric will apply its "Specifications for Initial Clearing and Control of Vegetation On or Adjacent to Electric Line Right-of-Way Through Use of Herbicides, Mechanical and Hand Clearing Techniques" to mitigate any impacts.

VERIFICATION

I, STEPHANIE R. RAYMOND, being the VICE PRESIDENT-TRANSMISSION AND SUBSTATIONS at PPL Electric Utilities Corporation, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect PPL Electric Utilities Corporation 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:

6/21/16

Stephanie R. Raymond

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing **Letter of Notification** 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**

Pennsylvania Historical
and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120-0053
Attn: Mr. Douglas C. McLearn, Chief

Pennsylvania Department of Transportation
Honorable Barry Schoch, P.E., Secretary
c/o Office of Chief Counsel
Commonwealth Keystone Building
400 North Street, 8th Floor
Harrisburg, PA 17120
Attn: William J. Cressler

Pennsylvania Department
of Environmental Protection
P.O. Box 2063
Market Street State Office Building
Harrisburg, PA 17105-2063
Attn: Office of Field Operations

PPL Electric Utilities Corporation
2 North Ninth Street
Allentown, PA 18101-1170
Attn: Transmission Regulatory
& Business Affairs Manager

Hummel Station LLC
5001 Spring Valley Road
Suite 1150 West
Dallas, TX 75244
Attn: Joe Jordan,
Director Business Development

Sunbury Generation LLC
PO Box 517
Shamokin Dam, PA 17876

Date: June 28, 2016



Christopher T. Wright

2016 JUN 28 PM 3:33
PA PUC
SECRETARY'S BUREAU

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4240 International Parkway
Suite 140
Carrollton, TX 75007



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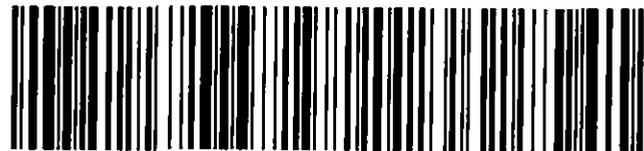
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JUN 24, 16
AMOUNT
\$7.05
R2305H127338-11



Rosemary Chiavetta
Secretary
Pennsylvania Public Utilities Commission
PO Box 3265
Harrisburg, Pennsylvania 17105

Expected Delivery Day: 06/27/2016

USPS TRACKING NUMBER



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