

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
Uniform Cover and Calendar Sheet

1. <b>REPORT DATE:</b> November 1, 2005	2. <b>BUREAU AGENDA NO.:</b> NOV-2005-FUS-1073*
3. <b>BUREAU:</b> Fixed Utility Services	
4. <b>SECTION(S):</b> Energy	5. <b>PUBLIC MEETING DATE:</b> November 10, 2005
6. <b>APPROVED BY:</b> Director: Rosenthal 3-5242 Manager: Rodrock 3-6185 Legal Review by: <i>Ryan</i>	
7. <b>PERSONS IN CHARGE:</b> Rodrock/Muriceak 3-6185	9. <b>EFFECTIVE DATE OF FILING:</b> N/A
8. <b>DOCKET NO.:</b> A-110150 F0033	

10. (a) CAPTION (abbreviate if more than 4 lines)  
 (b) Short summary of history & facts, documents & briefs  
 (c) Recommendation

- (a) Letter of Notification of Duquesne Light Company ("Duquesne") filed pursuant to 52 Pa. Code Chapter 57 to convert an existing 5.13 mile double circuit 69 kilovolt ("kV") transmission line to a 138 kV transmission line in Ross Township, Shaler Township, Hampton Township and Indiana Township, Allegheny County, Pennsylvania.
- (b) On July 27, 2005, Duquesne filed the above-captioned Letter of Notification. Authority for this procedure is provided for at §57.72(d)(1)(vi). No protests were filed. No hearings were held.
- (c) The Bureau of Fixed Utility Services recommends that the Commission adopt the proposed Order.

**DOCKETED**  
DEC 01 2005

**DOCUMENT  
- FOLDER**

11. MOTION BY: Commissioner Chm. Holland

Commissioner Shane - Yes  
Commissioner Pizzigrilli - Yes  
Commissioner Fitzpatrick - Yes

SECONDED: Commissioner Cawley

CONTENT OF MOTION: Staff recommendation adopted.



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE  
REFER TO OUR FILE

NOVEMBER 15, 2005

A-110150F0033

REGINA M SESTAK ESQUIRE  
DUQUESNE LIGHT COMPANY  
411 SEVENTH AVENUE  
MAIL DROP 9-1  
PITTSBURGH PA 15219

DOCUMENT  
FOLDER

Letter of Notification of Duquesne Light Company filed pursuant to 52 Pa. Code Chapter 57 to convert an existing 5.13 mile double circuit 69 kV transmission line to a 138 kV transmission line in Ross Township, Shaler Township, Hampton Township and Indiana Township, Allegheny County, Pennsylvania.

To Whom It May Concern:

This is to advise you that the Commission in Public Meeting on November 10, 2005 has adopted an Order in the above entitled proceeding.

An Order has been enclosed for your records.

Very truly yours,

James J. McNulty  
Secretary

fg  
encls  
cert. mail

**DOCKETED**  
APR 24 2006

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265

Public Meeting held November 10, 2005

Commissioners Present:

Wendell F. Holland, Chairman  
James H. Cawley, Vice Chairman  
Bill Shane  
Kim Pizzingrilli  
Terrance J. Fitzpatrick

DOCUMENT  
FOLDER

Letter of Notification of Duquesne Light Company filed pursuant to 52 Pa. Code Chapter 57 to convert an existing 5.13 mile double circuit 69 kV transmission line to a 138 kV transmission line in Ross Township, Shaler Township, Hampton Township and Indiana Township, Allegheny County, Pennsylvania.

Docket Number:  
A-110150 F0033

ORDER

**DOCKETED**  
APR 24 2006

**BY THE COMMISSION:**

On July 27, 2005, Duquesne Light Company ("Duquesne") filed a Letter of Notification pursuant to 52 Pa. Code §57.72 (d)(1)(vi), of the Commission's transmission line siting regulations. Section 57.72 authorizes the abbreviated "Letter of Notification" siting application process when approval is being requested to construct a transmission line where the voltage is proposed to be increased above present levels, where a line is to be reconstructed, or where the line has a proposed length of two miles or less.

The Letter of Notification proposes to convert an existing 5.13 mile double circuit 69 kilovolt ("kV") transmission line into a 138 kV transmission line. These lines are currently and will continue to be identified as "Pine Creek – North No. 1" and "Pine Creek – North No. 2" ("Lines"). The Lines connect the Duquesne Light Pine Creek Substation to the Duquesne Light North Substation.

The existing 69 kV line was upgraded for operation at 138 kV between 1969 and 1970. The upgrade consisted of replacing the steel crossarms with bowed laminated wood crossarms, modifying each tower with a single steel peak to accommodate one common shield wire for both circuits, tower and foundation reinforcement, and replacing the conductors and insulators. Duquesne states that the height of the towers and the span lengths will remain the same.

The Lines will continue to be three-phase alternating current transmission lines. Each circuit consists of three phase conductors with one shield wire common to both circuits. Each phase conductor is 24/13 Aluminum Conductor Alloy Reinforced ("ACAR") conductor. The shield wire is a 5/16" stainless steel conductor. No new construction, reconstruction, or modifications, except for routine maintenance items, will be required to increase the voltage from 69 kV to 138 kV on these Lines.

Duquesne states that concerns have arisen regarding the limited transmission resources supplying the northeastern areas of Duquesne's service territory. Increasing the transmission supply from 69 kV to 138 kV will increase the capacity of the transmission system, decrease the number of transformations to 69 kV and consequently reduce losses and investment in 69 kV autotransformers, while addressing the need for extensive rehabilitation of aging substations. Conversion of the terminal substations at Pine Creek and North Substations are part of the overall strategy to establish the eastern area source and eliminate 69 kV as a transmission supply voltage because:

- (1) Duquesne's aging 69 kV substation equipment requires increased maintenance on obsolete equipment with limited parts availability.
- (2) Conversion from 69 kV to 138 kV will reduce transmission system losses by eliminating double transformations resulting from the use of numerous 138 – 69 kV autotransformers to serve islands of 69 kV and by reducing current flow on the transmission line conductors due to the increased voltage level.
- (3) There is a need to improve voltage on the existing 69 kV system, which typically experiences the lowest system voltage following certain transmission system contingencies.

In 1969, the Lines were modified and upgraded to increase the voltage from 69 kV to 138 kV. Although the Lines have continued to operate at 69 kV since that time, the modifications were designed and constructed, and the Lines have been operated and maintained, to meet or exceed the requirements of the National Electrical Safety Code ("NESC"). The operation and maintenance procedures for these Lines conform to Duquesne's procedures for line clearance and vegetation management on rights-of-way. These standards meet or exceed all relevant NESC standards and all standards of the Federal Occupational Safety and Health Administrations.

Duquesne states that in accordance with the provisions of 52 Pa. Code §57.72 (d)(3), a copy of this Letter of Notification was served by certified mail upon those who would have otherwise been entitled to receive a copy of an application or

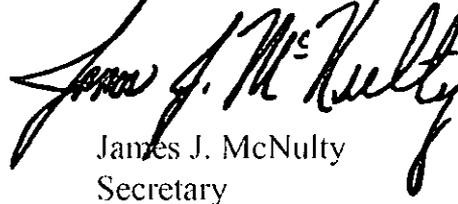
notice of filing an application as set forth in §57.74 (52 Pa. Code §57.74). No protests were filed. No hearings were held.

The formal Duquesne Letter of Notification and the manner in which it was filed conforms with the requirements of 52 Pa. Code §57.72. Moreover, the Commission has reviewed the filing and does not find it to be inconsistent with applicable law or Commission policy regarding transmission line siting; **THEREFORE,**

**IT IS ORDERED:**

That the Letter of Notification of Duquesne Light Company filed pursuant to 52 Pa. Code Chapter 57 to convert an existing 5.13 mile double circuit 69 kV transmission line into a 138 kV transmission line in Ross Township, Shaler Township, Hampton Township and Indiana Township, Allegheny County, Pennsylvania, is hereby approved.

**BY THE COMMISSION**



James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: November 10, 2005

ORDER ENTERED: **NOV 15 2005**

2. Article Number



7160 3901 9843 0839 0456

3. Service Type **CERTIFIED MAIL**

4. Restricted Delivery? (Extra Fee)  Yes

1. Article Addressed to:

A-110150F0033  
Regina M. Sentalo Esq

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly)

*John Allen*

B. Date of Delivery

*11 17*

C. Signature

*[Handwritten Signature]*

Agent

Addressee

D. Is delivery address different from Item 1?  
If YES, enter delivery address below:

Yes  
 No