



November 16, 2012

Mr. Klaus Lambeck
The Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43266-0573

**Construction Notice
Shelby Substation Upgrade
Case No. 12-3004-EL-BNR**

Dear Mr. Lambeck,

In accordance with Chapter 4906-11-02 of the Ohio Power Siting Board Rules and Regulations, The Dayton Power and Light Company hereby submits a Construction Notice for the upgrade of the existing Shelby Substation to accommodate the PJM Regional Transmission Expansion Plan. The project is located in Perry Township, Shelby County, Ohio.

Construction of the substation upgrade is scheduled to begin on or shortly after June 2013. DP&L will be glad to assist as necessary with site visits or other activities required to accommodate this schedule. Should you have any questions regarding this proposed project, please give me a call at (937)-259-7262.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Shamash".

Hertz Shamash
Vice President, Resource Planning

CONSTRUCTION NOTICE

Pursuant to Rule 4906-11-02 of the Ohio Administrative Code (OAC), The Dayton Power and Light Company (DP&L) hereby submits the following information for the Construction Notice requirements:

4906-11-02

- (A) The construction notice being filed with the Ohio Power Siting Board contains all the required information set forth by OAC Rule 4906-11-02.

(B) **General Information**

(1) **Project Name**

The name of the project is “Shelby Substation Upgrade”.

(2) **Description of the Project, Map Depicting Facility’s Location, Reason Project Meets Construction Notice Requirements**

Dayton Power and Light has plans to expand the existing Shelby Substation. The substation is located in Shelby County, Perry Township, on Ferree Rd., North of State Route 706. A map of the area has been included as Exhibits 1 and 4, while the proposed expansion area is detailed in Exhibit 2. The upgrade includes one 345/138kV transformer, one 345kV circuit breaker, two 138kV circuit breakers, necessary fencing, foundations and bus to complete the upgrade. A single line diagram of the upgrade has been included as Exhibit 3.

Pursuant to Rule 4906-1001 of the OAC, Appendix A, “Application Requirement Matrix for Electric Power Transmission Lines”, (8a), *Constructing additions to existing electric power transmission substations*, the proposed project meets the requirements for a Construction Notice because the expansion is less than 20% of the fenced area.

(3) **Need for Project**

The proposed, new 345/138kV transformer will ensure that adequate transmission system voltages are maintained on the facilities in DP&L’s transmission system under various outage conditions, as required to comply with the mandatory North American Electric Reliability Corporation (NERC) reliability standards. The State of Ohio is located in the Reliability *First* Corporation (RFC), one of eight regions comprising NERC, and DP&L is a member of RFC. NERC and RFC are empowered by the Federal Energy Regulatory Commission (FERC) to enforce utility industry compliance with the mandatory reliability standards to ensure the integrity of the bulk electric system.

DP&L is also a member of the PJM Interconnection, a regional transmission organization (RTO), which coordinates the movement of wholesale power in all or parts of 13 states, including Ohio, and the District of Columbia. PJM conducts a Regional Transmission Expansion Planning (RTEP) process annually to ensure its transmission footprint, including the DP&L system, is in compliance with the mandatory NERC reliability standards. Both PJM and the member companies collaboratively conduct studies to identify potential violations of the mandatory NERC reliability standards and evaluate projects to resolve the violations. Ultimately, the PJM Board is responsible for approval of the proposed projects. The projects are then filed with FERC to obtain its approval.

It was through the PJM RTEP process that the need for the proposed project was identified. Specifically, RTEP contingency analysis showed that under the multiple contingency of DP&L's Miami – Eldean 138kV Circuit and Shelby 345/138kV transformer, voltage at Shelby 138kV bus would be below .92 per unit, the minimum acceptable level per PJM reliability criteria. The proposed, additional Shelby 345/138kV transformer will mitigate this situation, and ensure compliance with the mandatory NERC reliability standards. The project has been approved by both the PJM Board and FERC.

(4) Construction Schedule and Proposed In-Service Date

Construction of the Shelby Substation Upgrade is expected to begin approximately June 2013 with an in service date of no later than June 1, 2014.

(5) Estimated Capital Costs

The cost for this project is estimated to be \$7,105,000.

(6) Operating Characteristics, Number and Type of Structures and Right-of-Way Requirements

Construction will be complimentary to the existing structures and designed to meet NESC and industry standards. Major equipment installations include one 345/138kV transformer, one 345kV circuit breaker and two 138kV circuit breakers. In addition to the major equipment installation, there will be bus, bus supports, steel structures, associated hardware and foundations to support the installation.

Before starting construction, DP&L will secure applicable permits from Federal, State and local authorities. Additional Right-of-Way is not required for this project.

(7) Map Depicting Facility's Centerline

To view the project site: Take I-75 North to Sidney, OH Exit 92. Turn Right (East) on W. Michigan/Court St. and continue through Sidney. E. Court St. becomes State Rt. 29 E. Continue East on State Rt. 706 at Pasco. Turn Left (North) on Ferree Rd. and continue for approximately ½ mile. The substation will be on the Left (West) side of Ferree Rd. Please see Exhibit 4 for a general area map.

(8) List of Properties Obtained

DP&L is the owner of the property included in the proposed expansion. Additional property for this project is not required.

(C) **Documentation of Construction Notice Information**

A copy of this Construction Notice is being provided to the following officials of Shelby County and Perry Township. A copy of the submittal letter has been included.

Shelby County Commissioners

Julie Ehemann
Larry Kleinhans
Jack Toomey

100 E. Court St., Suite 100
Sidney, OH 45365-3022

Shelby County Planning Commission

Dianna Reisinger
Executive Director
129 E. Court St., Floor 2
Sidney, OH 45365-3022

Perry Township Trustees

Mathew Barhorst
19800 Pence Rd.
Maplewood, OH 45340

John H. Greiwe
5965 E. State Rt. 29
Sidney, OH 45365

Harry Herbert Groves, Jr.
19200 Johnston Rd.
Sidney, OH 45365



Exhibit – 1
Shelby Substation – Aerial

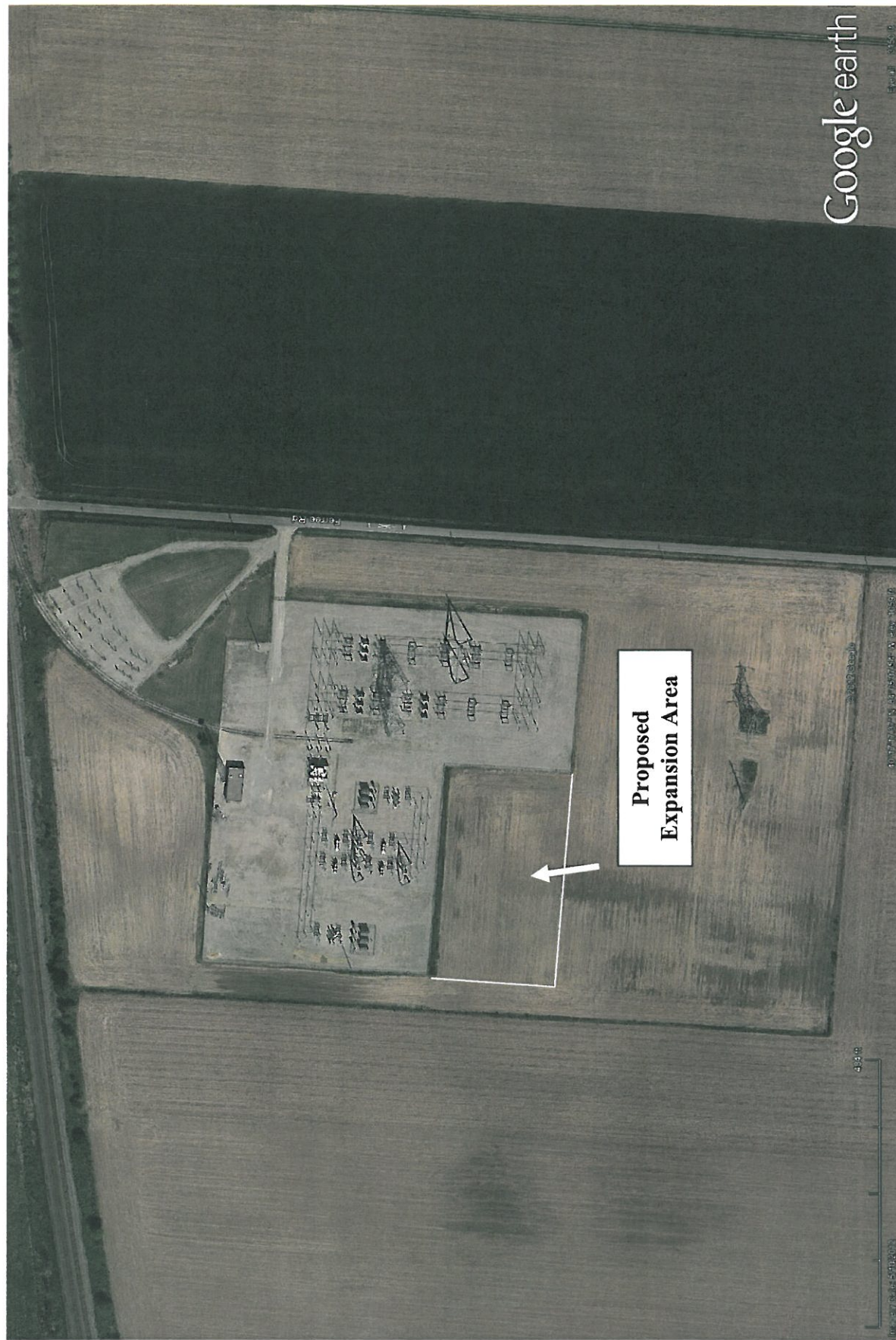


Exhibit 2
Shelby Substation –
Proposed Expansion Area

Shelby 345/138 kV Sub

34527

13827

Miami Ford

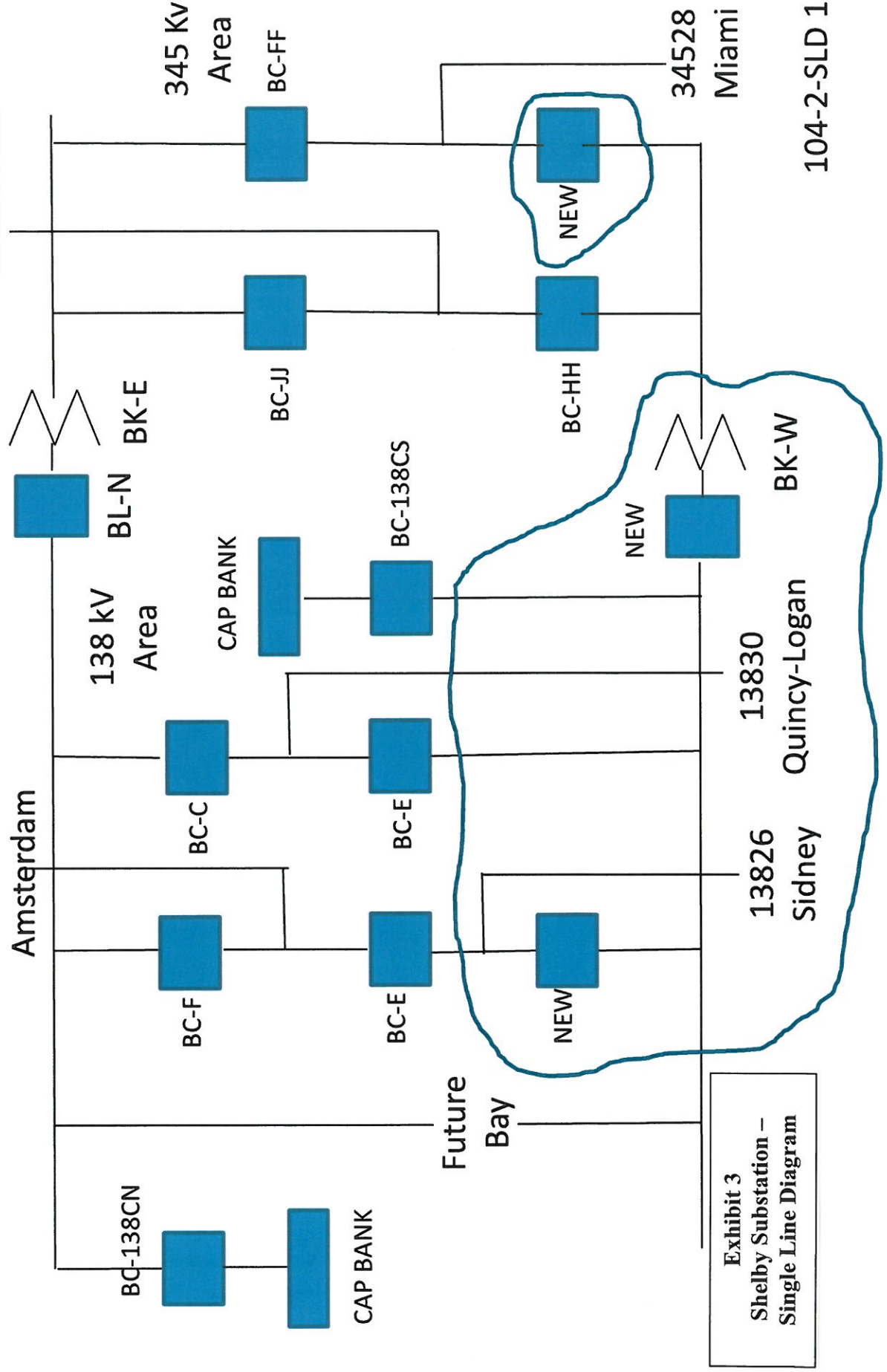


Exhibit 3
Shelby Substation –
Single Line Diagram



Exhibit 4
Shelby Substation –
Area Map



November 16, 2012

Shelby County Commissioners

Julie Ehemann

Larry Kleinhans

Jack Toomey

100 E. Court St., Suite 100

Sidney, OH 45365-3022

**Construction Notice
Shelby Substation Upgrade**

Dear Shelby County Commissioners,

Please find attached a Construction Notice as submitted to the Ohio Power Siting Board for an upgrade to the DP&L Shelby Substation. This information is being provided to you in accordance with Chapter 4906 of the Ohio Administrative Code. It does not require any further action on your part. If you have questions about the project after reading the enclosed application, please call me at (937) 259-7262.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Shamash".

Hertz Shamash
Vice President, Resource Planning

cc: Ohio Power Siting Board
Construction Notice –
Shelby Substation Upgrade



November 16, 2012

Shelby County Planning Commission

Dianna Reisinger

Executive Director

129 E. Court St., Floor 2

Sidney, OH 45365-3022

**Construction Notice
Shelby Substation Upgrade**

Dear Ms. Reisinger,

Please find attached a Construction Notice as submitted to the Ohio Power Siting Board for an upgrade to the DP&L Shelby Substation. This information is being provided to you in accordance with Chapter 4906 of the Ohio Administrative Code. It does not require any further action on your part. If you have questions about the project after reading the enclosed application, please call me at (937) 259-7262.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Shamash", written over a horizontal line.

Hertz Shamash
Vice President, Resource Planning

cc: Ohio Power Siting Board
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November 16, 2012

Perry Township Trustees
Mathew Barhorst
19800 Pence Rd.
Maplewood, OH 45340

**Construction Notice
Shelby Substation Upgrade**

Dear Mr. Barhorst,

Please find attached a Construction Notice as submitted to the Ohio Power Siting Board for an upgrade to the DP&L Shelby Substation. This information is being provided to you in accordance with Chapter 4906 of the Ohio Administrative Code. It does not require any further action on your part. If you have questions about the project after reading the enclosed application, please call me at (937) 259-7262.

Sincerely,

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Hertz Shamash
Vice President, Resource Planning

cc: Ohio Power Siting Board
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This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

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in

Case No(s). 12-3004-EL-BNR

Summary: Text Shelby Substation Upgrade Construction Notice electronically filed by Mr. Michael A Hassay on behalf of Shamash, Hertzler Mr. and The Dayton Power and Light Company