

**The Dayton Power and Light Company Construction Notice for the**  
**Middleboro Metering Point Relocation Project,**  
**Harlan Township, Warren County, Ohio,**  
**Case No. 17-1240-EL-BNR**

Pursuant to Rule 4906-6-05 of the Ohio Administrative Code (OAC), The Dayton Power and Light Company (DP&L) hereby submits the following information for the Construction Notice requirements:

**4906-6-05**

(A) The construction notice being filed with the Ohio Power Siting Board contains all the required information set forth by OAC Rule 4906-2.

(B) **General Information**

(1) **Project Information**

The Dayton Power and Light Company (DP&L) proposes to relocate the existing Middleboro Metering Point by converting the existing Middleboro Substation from a tap arrangement to a flow through arrangement off the Hutchings-Hillsboro 138kV line. The case number for this project is 17-1240-EL-BNR. The entirety of the project will be within the existing DP&L Middleboro Substation property for which a Letter of Notification was previously filed in Case No. 04-1383-EL-BLN.

This project meets the requirements of a Construction Notice as it is a "relocation of an electric power transmission line not greater than 0.2 miles in length" (OAC 4906-1-01, Appendix A).

(2) **Need for Project**

To address a retail wheeling settlements issue, PJM requires relocation of the existing DP&L and AEP metering points at the existing Middleboro Substation by June 1, 2017. Currently, Middleboro Substation is tapped off the Hutchings-Hillsboro 138kV line. This project will reconfigure Middleboro Substation to a flow through configuration, thereby providing for a single metering point located at Middleboro Substation, which will facilitate the PJM settlements process.

(3) **Project Location**

The location of the project in relation to existing lines and substations is shown in Exhibit 1.

(4) **Alternatives Considered**

There are no alternatives for this project. Based on the small scope of the project and limited alternatives to achieve a flow through configuration, it was not reasonable to study other options. The proposed option has the fewest effects and is the most cost efficient solution to achieve the desired electrical configuration.

(5) **Affected Property Owners**

The entirety of the Middleboro Metering Point Relocation Project is located within the existing Middleboro Substation property. No other property owners are affected by this project; therefore, no public information program was applicable.

(6) **Schedule**

Construction is planned to start May 19, 2017, or as soon as practical thereafter, and the in-service date for the project is May 31, 2017.

(7) **Facility Map**

Exhibit 2 provides a map which outlines the location of Middleboro Substation and the proposed changes associated with converting the configuration from a tap to flow through configuration. The exhibit clearly marks the roads and relevant project information. Exhibit 2 also outlines the nearest intersection of Middleboro Road and Edwardsville Road in proximity to the project.

(8) **List of Properties**

The Project is within existing DP&L Middleboro Substation property. Therefore no new easements, options, and/or land use agreements are necessary.

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

(a) Construction will consist of installing one (1) steel pole, two (2) wood poles and 290' circuit feet of 477 ACSR conductor with 3/8" shield wire. All three poles will be of dead end configuration. A new direct embedded steel tap pole will be set in line of the Hutchings-Middleboro circuit approximately 85' north of the existing tap. The line will be extended 50' northeast to a guyed wood pole and then angle slightly southeast for 190' to another guyed wood pole which will be located 20' outside of the substation fence. From here, the line will continue 50' into the sub and attach to an existing substation switch structure. In addition, a wave trap will be removed and replaced by a jumper wire to allow relay communications between Hutchings and Hillsboro Substations. The entirety of

the project is located within existing DP&L property. An overview of the construction can be seen in Exhibit 1.

(b) The project does not install new power transmission lines within one hundred feet of an occupied residence or institution, therefore the electric and magnetic fields study is not applicable.

(c) The estimated capital cost of the project is \$129,000.

**(10) Social & Ecological Impacts**

(a) The Project is located in the Harlan Township, Warren County, Ohio. The land in the vicinity of the proposed project is residential and agricultural. Due to the small scope of this project and the fact that the entirety of the work will be contained to the existing DP&L Middleboro Substation property, no effects are anticipated with respect to land use in the vicinity of the project. In addition, a Letter of Notification was previously filed for construction of the Middleboro Substation in Case No. 04-1383-EL-BLN, which addressed these requirements.

(b) No agricultural land will be impacted by this project since the entirety of the work is within existing DP&L property.

(c) Given the entirety of the project is located within the existing DP&L Middleboro Substation property, archeological and cultural resource investigation work was not completed. In addition, as referenced above, a Letter of Notification was previously filed for construction of the Middleboro Substation in Case No. 04-1383-EL-BLN, which addressed these requirements.

(d) No known local, state, and federal government agencies have requirements that must be met in connection with the construction of this project since the entirety of the work is within existing DP&L Middleboro Substation property.

(e) As referenced above, a Letter of Notification was previously filed for construction of the Middleboro Substation in Case No. 04-1383-EL-BLN, which addressed these requirements. The entirety of the proposed project work is on the existing Middleboro Substation property reviewed as part of the prior case.

(f) As referenced above, a Letter of Notification was previously filed for construction of the Middleboro Substation in Case No. 04-1383-EL-BLN, which addressed these requirements. The entirety of the proposed project work is on the existing Middleboro Substation property reviewed as part of the prior case.

(g) There are no known unusual conditions that are created by this project that will result in significant environmental, social, health, or safety impacts.

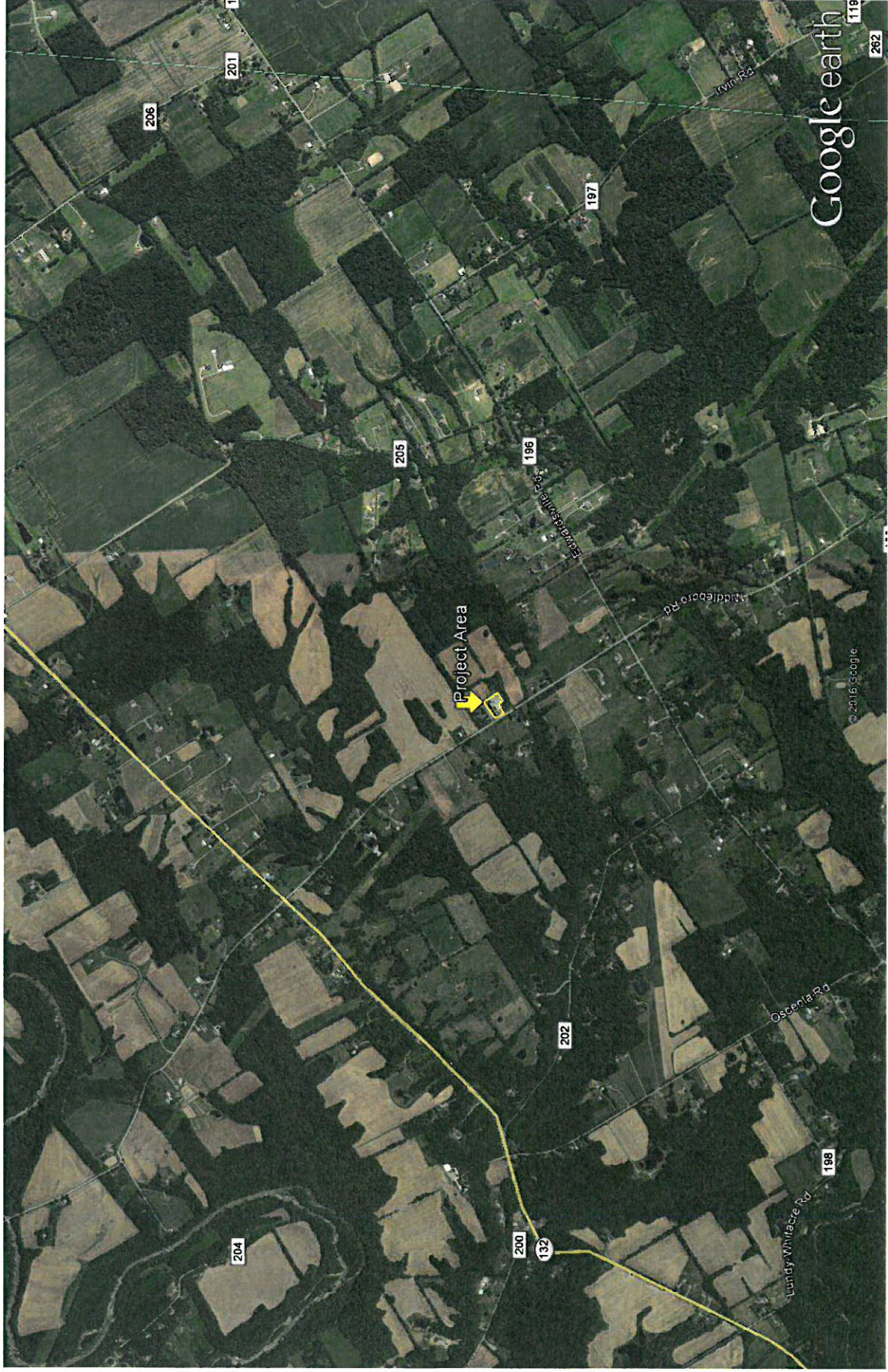


**PLS-CADD Drawing**



THE NEAREST INTERSECTING STREET ON MIDDLEBORO ROAD IS EDWARDSVILLE ROAD. THE INTERSECTION IS 2200 FT EAST OF MIDDLEBORO SUBSTATION.





**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**5/16/2017 3:05:47 PM**

**in**

**Case No(s). 17-1240-EL-BNR**

Summary: Notice electronically filed by Mr. Michael F Russ on behalf of The Dayton Power and Light Company