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January 23, 2009

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Ms. Ellen Regennitter
Transmission Line Projects Engineering
American Electric Power
700 Morrison Road
Gahanna, OH 43230

Subject: Application for Certificate
Roberts-OSU 138 kV Transmission Line Project
Case Number 08-170-EL-BTX
Staff Questions/Clarifications - Set #1

Dear Ms. Regennitter:

Attached please find Staff questions/clarifications (1 page) for the proposed American Electric Power (AEP) Roberts-OSU transmission line application as submitted December 30, 2008.

In order to better ensure a timely review of your application, please provide responses by February 6, 2009.

Please contact Jon Pawley at (614) 644-7631 or myself at (614) 644-8244 if you have any questions regarding this information.

Sincerely,

Klaus Lambek, Chief
Facilities, Siting & Environmental
Analysis Division

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Roberts-OSU 138 kV Transmission Project
OPSB Case No. 08-0170-EL-BTX

1. Staff needs additional information in order to complete its review for the need of the project. Page 02-1.
 - a. Provide the source of the local annual and continued load growth numbers.
 - b. Provide the actual and forecasted loads for the years 2000 to 2015 (based on summer 2008 conditions). Please provide the forecasts from the Columbus and surrounding areas.
2. Staff requires additional information in order to complete its review of the impacts on the local and regional transmission grid.
 - a. Please explain how the load flow base case was developed.
 - b. Is the Roberts-OSU 138 kV line listed in any PJM transmission studies as being a reliability problem or a future reliability problem, such as the PJM RTEP?
 - If yes, provide the specific page of reports where the project(s) is mentioned and explain in detail how this project will affect the regional grid.
 - If no, explain in detail why the why PJM does not need to be made aware of the project and how the project will not affect the regional grid.
3. Provide transcription diagrams of load flow including; 2008 summer peak base-case (project in-service and out-of-service) and the contingency conditions listed in Table 2.
4. Please provide data and discuss the following:
 - a. Provide a list of Transmission or Generation upgrades completed in 2008 that may have had an impact on the proposed project.
5. Please explain what the adverse effects would be if the line was not built, and what benefits would be to the AEP system and its customers for having the line built.