

STAFF-DR-03-001

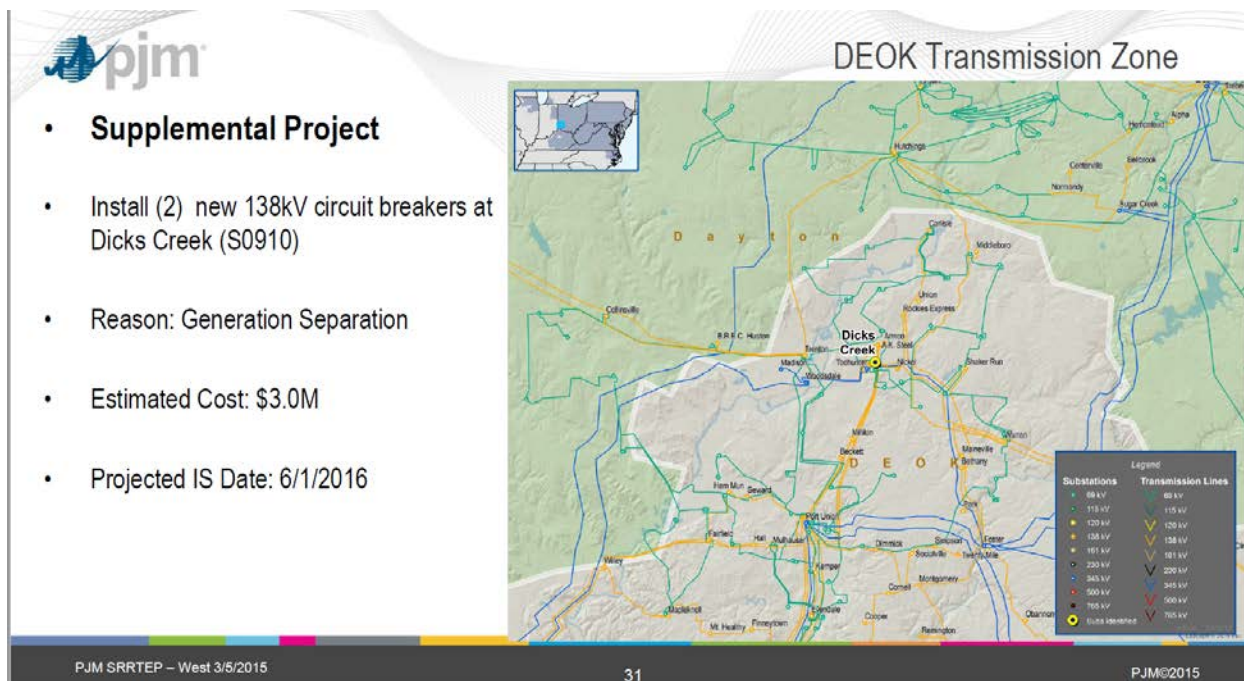
REQUEST:

1. Please send us:
 - a) a switching diagram and
 - b) the latest S0910 presentation slides at the PJM RTEP.
2. Please explain why the 138kV lines need to be reconductored.

RESPONSE:

1.(a) The requested switching diagram is Confidential Energy Infrastructure Information that, under the terms of a confidentiality arrangement, Duke Energy Ohio may not release. The OPSB will need to go through PJM's CEII process, as required by FERC.

1.(b) The PJM slides are found on the web here: <https://www.pjm.com/-/media/committees-groups/committees/srrtep-w/20150305/20150305-reliability-analysis-update.ashx>; at page 31. For convenience, a screenshot is reproduced below.



2. The existing conductor is 477 kcmil ACSR, which has a summer normal rating of 814 Amperes or 194 MVA. In the existing configuration, this line section carries only the output of the Dicks Creek Generating station, for which the existing conductor is adequate. Upon completion of the Dicks Creek generation separation project, this line segment will be placed in series with and become part of a path from Todhunter Substation to AK Steel. The Todhunter to AK Steel line, of which the reconductored line section will become part, has a capacity of 1264 Amperes or 302 MVA. Without the reconductoring, the Todhunter to AK Steel path via the loop through Dicks Creek would be limited by the 477 kcmil conductor to 194 MVA. This is less than the peak demand of AK Steel and would result in the overload of the line should the other Todhunter to AK Steel line experience an interruption.

PERSON RESPONSIBLE:

As to 1.(a) – Legal

As to 1.(b) – Steve Steinkuhl

As to 2. – Jeff Turner