

**LaSalle Environmental Audit
Response to Request for Additional Information**

Index #: 021 **RAI #:** LU-05 **Category:** Land Use and Visual Resources

Statement of Question:

Regarding the transmission lines and onsite switchyard, please provide the following information.

- a. Who owns and operates the onsite switchyards?
- b. The Final Environmental Statement for Operation of LaSalle (FES-O; ML14353A388) states that of the four 345-kV lines that connect to the onsite switchyard, two lines connect to the Plano substation and two lines connect to the East Frankfort substation. However, the ER (Section 2.2.6, p. 2-13) states that two lines connect to Braidwood Station, and the East Frankfort substation is not mentioned. Clarify these seemingly contradictory descriptions.
- c. The FES-O describes the 138-kilovolt line connections to Mazon, Illinois and Streator, Illinois as “temporary.” Do these lines remain active?
- d. While the NRC staff understands that Exelon considers the transmission lines connected to the LSCS switchyard to not be in-scope for license renewal (as stated in Section 2.2.6, p. 2-13 of the ER), the NRC staff assumes that ties exist that connect the turbine buildings to the switchyard and that these ties would be in-scope for license renewal. Describe any transmission lines that connect the nuclear power plant to the substation where electricity is fed into the regional power distribution system. Also describe any transmission lines that supply power to the nuclear plant from the grid in accordance with Footnote 4 of Table B–1 of 10 CFR Part 51, Subpart A.

Response:

- a. Commonwealth Edison Company (ComEd) owns the LSCS Switchyard and all associated transmission lines. The LSCS Switchyard is operated and maintained in accordance with an interface agreement among ComEd as the transmission owner, Exelon Generation Company, LLC – Exelon Nuclear (Exelon Nuclear) as the nuclear plant generation operator, and PJM Interconnection, LLC (PJM) as the regional transmission organization (RTO) that coordinates the movement of wholesale electricity.
- b. The operating licenses for LSCS Units 1 and 2 were issued in 1982 and 1983, respectively, before the Braidwood switchyard was operational. The original transmission lines from LSCS to East Frankfort substation were later connected to the new Braidwood switchyard. The operating licenses for Braidwood Units 1 and 2 were issued in 1986 and 1987, respectively.
- c. Yes, the 138-kilovolt line connections to Mazon, Illinois and Streator, Illinois remain active.
- d. The electrical connections between the main plant and the LSCS switchyard traverse approximately 1,300 feet of onsite property used for industrial purposes. The route for all four lines is flat and crosses primarily gravel laydown areas and paved roads.

As the ER Section 2.2.6, (p. 2-13) explains, redundant offsite power is provided to LSCS through the LSCS substation. Therefore, there are no offsite transmission lines for which the only purpose is to supply power to the nuclear plant from the grid.

List of Attachments:

None.