Petition No. 1028

Connecticut Light & Power

East Hartford, Connecticut

Staff Report

June 21, 2012

On April 30, 2012, the Connecticut Siting Council (Council) received a petition from The Connecticut Light & Power Company (CL&P) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for proposed modifications to an existing substation in East Hartford, Connecticut. Council member Dan Lynch and Siting Analyst David Martin visited the site on May 31, 2012 to review the proposal. Michael Veneski, Mark Bellandese, and John Morissette represented CL&P at the field review.

CL&P’s Riverside Substation is located at 81 Riverside Drive in East Hartford, alongside the Connecticut River and between the Trinity College boathouse and the Canoe Club. CL&P proposes to install one new 115-kV circuit switcher on one of the two transmission lines at the substation. The installation of the proposed circuit switcher would require a new concrete pad and the relocation of three existing Capacitor Coupled Voltage Transformers (CCVTs) to a new location approximately eight feet to the east of their present location. CL&P would also replace some existing switches and modify an existing bus connection to accommodate the new circuit switcher.

All of CL&P’s proposed work would take place within the substation’s existing fence line and would not require any significant alteration to the appearance of the substation’s structural layout. The purpose of the proposed modifications is to improve transmission reliability by reducing the potential extent of any outages caused by malfunctions in an existing transformer.

Although the Riverside Substation is located adjacent to the Connecticut River, it is not located within the 100-year flood zone.

The proposed substation modifications are not expected to have any substantial adverse environmental impacts.