

**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Would the proposed project increase magnetic fields at any abutting residence? If yes, please describe.

**Response:**

One abutting residence at 288 Rood Avenue is sufficiently close to the existing transmission lines that the project-caused change in transmission line currents will cause an increase in magnetic fields at the residence. The nearest portion of the house at 288 Rood Avenue is approximately 75 feet from the center of the nearest 115-kV transmission line, and a connected garage is between the house and the right-of-way. Using the 2014 peak-hour line currents which were used for the modeling in CL&P's application, the ground-level magnetic field at the nearest portion of this house would be 17.3 mG without the project and 19.6 mG with the project. The average magnetic fields at this location over the 24 hours of the peak day in 2014 would be 70% or less than the values during the peak hour, and the average magnetic fields over the course of the entire year 2014 would be 50% or less than the values during the peak hour.

All other abutting residences on Rood Avenue, Shelley Avenue, Hope Circle, Matianuck Avenue and Sunnyfield Drive will either experience no change or reduced magnetic fields from CL&P's facilities.

CL&P notes that in the course of formulating this response, it discovered an error in the reporting of the measured values of fields on page M-3 of the Application, Volume 1 (final sentence of first paragraph), wherein the highest magnetic field level recorded was stated as 9.3 mG and the highest electric field recorded was stated as 1.19 kV/m. That statement should read "The highest magnetic field level recorded was 44.6 mG, and the highest electric field recorded was 2.23 kV/m."