

Petition No. 1083 - Revision
Bloom Energy/Home Depot
Enfield, Connecticut
Staff Report
October 9, 2014

On November 8, 2013, the Connecticut Siting Council (Council) received a petition from Bloom Energy Corporation (Bloom) to install a 200 kW fuel cell facility at the Home Depot store at 136 Elm Street in Enfield, Connecticut. For the original petition, Council member Larry Levesque and Siting Analyst David Martin visited the site on December 4, 2013 to review the proposal. Rob Streker and Jay Stevenson, engineers with Core States Group, represented Bloom at the field review. The Council approved Bloom's original petition at its meeting of December 12, 2013.

On October 8, 2014, Bloom submitted a revision to its petition, in which it is requesting that the Council approve a different location for the fuel cell facility. In its original location, the fuel cell was to be along the edge of a parking area behind the Home Depot store (see aerial photograph) and would occupy approximately five existing parking spaces. Following the Council's approval of this petition, Home Depot reassessed the fuel cell's location and decided that it wanted the facility located closer to its building, in an area that would have less impact on the store's operations. The new location would be in a corner of the store building near some loading docks. No parking spaces would be taken for the new proposed location.

The area surrounding the Home Depot store consists predominantly of commercial and industrial land uses. A noise study conducted for this installation determined that sound levels generated by the fuel cell will meet all applicable requirements at any off-site noise receptors and would not require any noise barriers to be erected. The proposed fuel cell facility would comply with all applicable air and water quality standards of the Department of Energy and Environmental Protection.

The revised location of the fuel cell is not expected to have any substantial adverse environmental impacts.

