



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

January 19, 2016

Amy Shanahan
Planning and Permitting Specialist
Bloom Energy Corporation
1299 Orleans Dr.
Sunnyvale, CA 94089

RE: **PETITION NO. 1207** - Bloom Energy Corporation, as an agent for Wal-mart Stores, Inc., petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, operation and maintenance of a Customer-Side 200-Kilowatt Fuel Cell Facility to be located at Walmart, 450 Providence Road, Brooklyn, Connecticut.

Dear Amy Shanahan:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than February 2, 2016. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office, as well as send a copy via electronic mail. In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

Melanie Bachman
Acting Executive Director

MB/CH

c: Rory Eblen, Bloom Energy Corporation
Edwin Pho, Bloom Energy Corporation
Council Members

**Petition No. 1207
Walmart Stores Inc.
450 Providence Road
Brooklyn, CT
Interrogatories**

1. Would the proposed fuel cell shut down in the event of a power outage, and if so, does it have “black start” capability and the ability to automatically restart?
2. Would the fuel cell have an uninterruptible power module?
3. Would the fuel cell project comply with the Connecticut Department of Energy and Environmental Protection (DEEP) Noise regulations at the property boundaries?
4. Would the proposed fuel cell provide baseload or backup power (or both) for Walmart?
5. Would any waste heat from the fuel cell be used for the building’s internal use such as to provide or supplement domestic heating and/or hot water?
6. Would bollards be used to protect the fuel cell facility from being accidentally struck by vehicles?
7. What statutes and/or regulations govern fuel cell emissions for the proposed facility?
8. Provide a table showing state criteria thresholds and projected emissions from the proposed facility for all greenhouse gasses listed in the Regulations of Connecticut State Agencies Section 22a-174-1(49).
9. Provide information regarding available technologies to reduce greenhouse gas emissions from the proposed facility.
10. Could offsets be used to mitigate air emissions impacts from the facility?
11. Discuss other mitigation techniques that could be used to offset air emissions from the proposed facility e.g. planting trees. If planting trees is listed as an option, estimate the number and size of trees required.

12. Natural gas has sulfur dioxide injected as an odorant. Please submit a desulfurization plan narrative for the proposed fuel cell facility containing the following information:
- a) Chemical reaction overview concerning what substances are produced from the desulfurization process, as well as plans for their containment and transport;
 - b) How much solid sulfur oxide would result from the desulfurization process, and methods and locations for containment, transport, and disposal;
 - c) Whether any of these desulfurization substances are considered hazardous, and if so, plans for the containment, transport, and disposal of hazardous substances;
 - d) Anticipated method of disposal for any other desulfurization substances; and
 - e) Whether any gaseous substances resulting from desulfurization can be expected to vent from the fuel cells, as well as the applicable DEEP limits regarding discharge of these gasses.