



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

April 24, 2020

Jennifer D. Arasimowicz, Esq.
FuelCell Energy, Inc.
3 Great Pasture Road
Danbury, CT 06810

RE: **PETITION NO. 1372** – Derby Fuel Cell, LLC declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 14.0-megawatt fuel cell facility and associated equipment to be located at 200 Roosevelt Drive, Derby, Connecticut.

Dear Attorney Arasimowicz:

At a public meeting of the Connecticut Siting Council (Council) held on April 23, 2020, the Council considered and approved the Development and Management (D&M) Plan submitted for this project on March 13, 2020.

This approval applies only to the D&M Plan submitted on March 13, 2020 and supplemental data dated March 25, 2020, April 2, 2020, and April 6, 2020. Requests for any changes to the D&M Plan shall be approved by Council staff in accordance with Regulations of Connecticut State Agencies (RCSA) §16-50j-62(b). Furthermore, the project developer is responsible for reporting requirements pursuant to RCSA §16-50j-62.

All work is to be implemented as specified in the Council's decision on the petition dated July 19, 2019 and in the D&M Plan dated March 12, 2020.

Enclosed is a copy of the staff report on this D&M Plan, dated April 23, 2020.

Thank you for your attention and cooperation.

Sincerely,

s/Melanie A. Bachman

Melanie A. Bachman

MAB/MP/lm

Enclosure: Staff Report dated April 23, 2020



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Petition No. 1372
Derby Fuel Cell, LLC
Development & Management Plan
200 Roosevelt Drive, Derby
Staff Report
April 23, 2020

On July 19, 2019, the Connecticut Siting Council (Council) issued a Declaratory Ruling to Derby Fuel Cell, LLC (DFC), pursuant to Connecticut General Statutes §4-176 and §16-50k, for the construction, maintenance, and operation of a 14 megawatt (MW) grid-side fuel cell facility at 200 Roosevelt Drive, Derby, Connecticut. In its Declaratory Ruling, the Council required DFC to submit a Development and Management Plan (D&M Plan). On March 13, 2020, DFC submitted its D&M Plan for this project. On March 17, 2020, the Council submitted interrogatories to DFC. On March 25, 2020, DFC submitted responses to Council interrogatories. On March 27, 2020, the Council submitted a second set of interrogatories to DFC. On April 2, 2020, DFC submitted responses to the second set of Council interrogatories.

The project will be on a 0.74-acre site on a 1.46-acre property owned by IDA Properties, Inc. (IDA) and located within Derby's Mill Design District (MDD). The fuel cell will be located in an undeveloped portion of the parcel directly northwest of an existing IDA building. The United Illuminating Company's (UI) Indian Well Substation abuts the subject property to the north. The Housatonic River is located to the south.

The approved fuel cell project includes five 2.8 MW FuelCell Energy, Inc. SureSource 3000 fuel cell units and associated equipment.

The Declaratory Ruling requires the following information to be included in the D&M Plan:

- a. A final site plan including, but not limited to, fuel cell units, related equipment, transformer locations (both dry and fluid-filled) with containment measures as necessary, perimeter fence, concrete pads, and the final design flood elevation to the top of concrete (TOC) pad of not less than 30 feet; and**

The final site plan includes the fuel cell units, related equipment, transformer locations, fence design, concrete pads, and the final design flood elevation.

Each 2.8 MW fuel cell unit would have its own elevated reinforced concrete decking surrounded by a 4-foot wide steel grating walkway.

DFC would install its fence around three sides of the fuel cell facility and connect the fence to the existing Indian Well Substation fence on the north side. DFC's 8-foot high chain link fence would not include barbed wire or razor wire.

All transformers would be dry (i.e. not oil-filled) and thus would not require any containment measures.

The project is located within the Federal Emergency Management Agency Zone AE, an area within the 100-year flood zone. The 100-year flood elevation at the site is approximately 25.5 feet, and the 500-year flood elevation is approximately 33.5 feet. The top of the concrete (TOC) decking for the fuel cells and associated equipment would be at an elevation of 30 feet, consistent with the Council's July 19, 2019 declaratory ruling.

b. Plans for gravel base (or as applicable) to support any necessary cranes during construction.

The site base would be sandy gravel/gravel with a load bearing capacity of 5,000 pounds per square foot. On an as needed basis, wooden mats may be placed under the steel plates to further distribute the crane loading during construction.

Construction hours are expected to be between 7:00 a.m. to 5:00 p.m. Monday through Saturday. During startup and commissioning, there may be minor work activities at night and weekends until the startup is complete.

