



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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### VIA ELECTRONIC MAIL

August 12, 2016

Craig Stevenson  
Project Manager  
FuelCell Energy, Inc.  
3 Great Pasture Road  
Danbury, CT 06810

RE: **PETITION NO. 1248** - TRS Fuel Cell, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, maintenance, and operation of a 3.7 megawatt combined heat and power fuel cell facility to located at 64 Triangle Street, Danbury, Connecticut

Dear Mr. Stevenson:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than August 25, 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/CW

c: Jennifer D. Arasimowicz, Esq., Vice President, Managing Counsel, FuelCell Energy, Inc.  
Council Members



CONNECTICUT SITING COUNCIL  
Affirmative Action / Equal Opportunity Employer

**Petition No. 1248**  
**TRS Fuel Cell, LLC**  
**64 Triangle Street**  
**Danbury, CT**  
**Interrogatories**

1. The proposed facility would deliver electrical power directly to a “nearby substation.” What is the voltage of the substation?
2. How would the generated power from the facility get to the substation? Does Eversource currently have a three-phase electrical distribution line in the area?
3. Is a System Impact Study required for the interconnection process? Does the Petitioner have an Interconnection Agreement with Eversource?
4. Are gas and power lines already available at the location of the proposed facility? Please describe the routing of these connections.
5. What is the height above ground level of the tallest structure or equipment in the project footprint? What are the heights of the proposed stacks?
6. Has the Petitioner received a written response from the State Historic Preservation Office regarding the Project Review Cover Form that was submitted? If so, please provide a copy of such response.
7. If approved, approximately when would construction commence and what would be the estimated in-service date for the project?
8. What is the proposed mesh size of the fence? Would the Petitioner be willing to consider the installation of an anti-climb fence with less than two-inch mesh or other deterrent?
9. Would any vegetative clearing and grading be required for the installation of the proposed facility?
10. Page 5 of the Petition mentions liquid nitrogen that would be stored on site. What would that liquid nitrogen be used for?
11. 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?
12. Please identify media to be used for pipe cleaning procedures at the proposed facility in accordance with Public Act 11-101, An Act Adopting Certain Safety Recommendations of the Thomas Commission.
13. Would bollards be used to protect the fuel cell facility from being accidentally struck by vehicles?
14. What statutes and/or regulations govern fuel cell emissions for the proposed facility?
15. Provide a table showing state criteria thresholds and projected emissions from the proposed facility for all greenhouse gas emissions listed in the Regulations of Connecticut State Agencies Section 22a-174-1(49). Please provide the response in pounds per megawatt hour.
16. Provide a comparison of carbon dioxide emissions for the proposed facility in pounds per megawatt hour with waste heat recovery and without waste heat recovery.

17. Provide information regarding available technologies to reduce greenhouse gas emissions from the proposed facility.
18. Could offsets be used to mitigate air emissions impacts from the facility?
19. 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.
20. Other than the initial startup, what other factors would require a startup of the facility as referred to on pages 11 and 12 of the petition? Does a startup typically take four days?
21. 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.