

May 24, 2019

Melanie Bachman, Executive Director	Doosan Fuel Cell America, Inc
Connecticut Siting Council	195 Governors Highway
10 Franklin Square	South Windsor, CT 06074
New Britain, CT 06051	

RE: **PETITION NO. 1369** – Doosan Fuel Cell America, Inc. petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a customer-side 440-kilowatt fuel cell facility and associated equipment to be located at the City of Bristol Water Pollution Control Facility, 75 Battisto Road, Bristol, Connecticut.

Dear Ms. Bachman:

We are submitting an original and fifteen (15) copies of responses to the Council's interrogatories dated May 22, 2019.

I may be contacted at 860.250.3776 with any comments or concerns.

Sincerely,

Walter Bonola
Installation Manager
Doosan Fuel Cell America, Inc.
Walter.bonola@doosan.com

VIA ELECTRONIC MAIL

May 22, 2019

Walter Bonola
Installation Manager
Doosan Fuel Cell America, Inc.
195 Governors Highway
South Windsor, CT 06074

RE: **PETITION NO. 1369** – Doosan Fuel Cell America, Inc. petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a customer-side 440-kilowatt fuel cell facility and associated equipment to be located at the City of Bristol Water Pollution Control Facility, 75 Battisto Road, Bristol, Connecticut.

Dear Mr. Bonola:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than May 30, 2019. 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.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the May 30, 2019 deadline.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

Melanie Bachman
Executive Director

MB/MP

c: Council Members

Petition No. 1369
Doosan Fuel Cell America, Inc.
75 Battisto Road
Bristol, CT
Interrogatory Responses

1. On Drawing No. SP 1.0 – Partial Site Plan, the three underground conduits that would run to the fuel cell appear to be for electrical only. Please depict on the site plan the natural gas and water fill connections (if applicable), or explain where such utilities would be routed and connected to.

Response 1: A revised plan No. SP1.0 showing natural gas and water fill connections is attached, see Attachment #20

2. Would any waste heat from the fuel cell be used for the water pollution control facility's internal use such as to provide or supplement domestic heating and/or hot water?

Response: No waste heat will be utilized. An appropriate heat sink does not exist at the host site.

3. Would bollards be necessary to protect the fuel cell facility from being accidentally struck by on-site vehicles, or would that be unnecessary given the proposed fuel cell's location with the wastewater treatment plant?

Response: Bollards protecting the fuel cell will not be necessary due to the distance from any paved drive way onsite. Several bollards will be utilized to protect the gas line/meter from accidental damage from lawn equipment.

4. Is any portion of the project on prime farmland soils? If so, what is the area of prime farmland soils that would be impacted by the proposed project?

Response: No portion of the project is on prime farmland soils. The host site is in an industrial zone.

5. Would construction of the proposed facility involve disturbance of one or more total acres of land area? If yes, has the Petitioner submitted an application for a General Permit to the Department of Energy and Environmental Protection?

Response: Amount of disturbed area is significantly less than one acre therefore no General Permit is required

6. Referencing the Desulphurization Memo, after approximately ten years, would the zinc sulfide be removed by trained personnel and properly disposed of?

Response: The zinc sulfide is contained in a sealed component within the fuel cell. After approximately 10 years the component is removed to a contract manufacturer for refurbishment. The contract

manufacturer will utilize trained personnel and the zinc sulfide will be removed and disposed of or reprocessed for industrial uses.

7. If requested by local emergency responders, would the Petitioner provide training to local emergency responders regarding emergency response procedures?

Response: Training for host site personnel and fire and police first responders will be offered as part of the fuel cell installation. A printed site specific emergency response plan is formally transmitted to the fire Marshals office and the host site facilities personnel.

8. Estimate the total cost of the proposed project. Break down the total cost into categories that the Petitioner deems appropriate.

Projected Project Cost estimates

Installation Labor \$50,000.

Ancillary Equipment \$60,000.

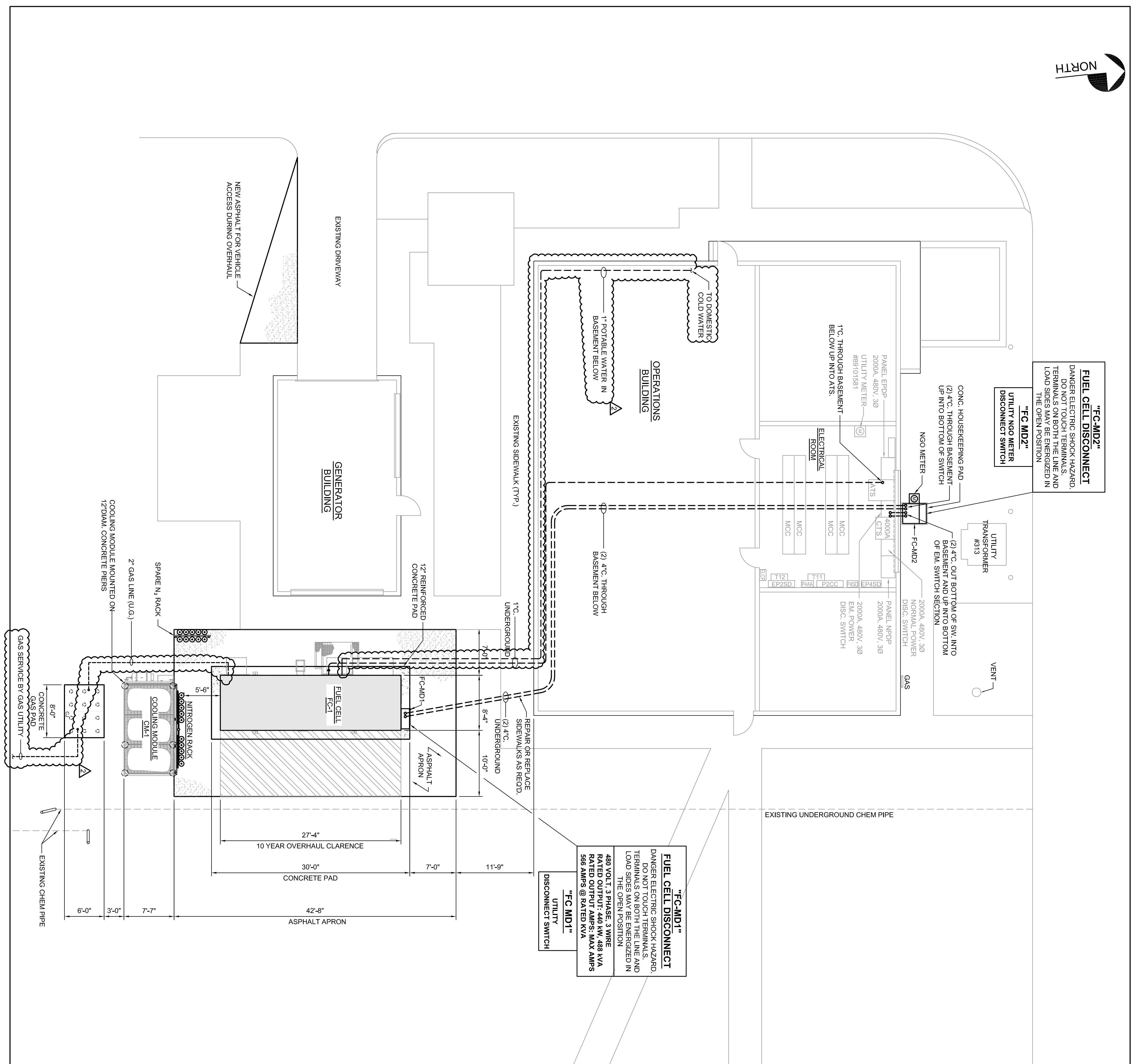
Design \$40,000.

Construction \$250,000.

Rigging \$10,000.

Utility fees, permits \$10,000.

Total \$420,000.



PROJECT ARE

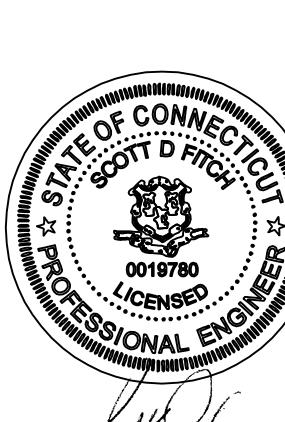
सुप्रिया

**CITY OF BRISTOL
WASTE WATER TREATMENT FACILITY
75 BATTISTO ROAD, BRISTOL, CT
FUEL CELL INSTALLATION**

PARTIAL SITE PLAN

ICDS

Email: info@icdsllc.com
Innovative Construction & Design Solutions, LLC



2	05/24/19	UPDATED PER CT SITING COUNCIL
1	05/13/19	UPDATED PER UTILITY COMMENTS
0	04/23/19	ISSUED FOR UTILITY INTERCONNECTION
Rev.	Date	Description