



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

Ten Franklin Square, New Britain, CT 06051  
Phone: (860) 827-2935 Fax: (860) 827-2950  
E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)  
Web Site: [www.ct.gov/csc](http://www.ct.gov/csc)

**VIA ELECTRONIC MAIL**

June 18, 2020

Walter Bonola  
Doosan Fuel Cell America, Inc.  
195 Governor's Highway  
South Windsor, CT 06074

RE: **PETITION NO. 1406** - 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 grid-side 9.66-megawatt fuel cell facility and associated equipment to be located at 600 Iranistan Avenue, Bridgeport, Connecticut, and associated electrical interconnection to the United Illuminating Company's existing Congress Street Substation.

Dear Mr. Bonola:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than July 9, 2020. To help expedite the Council's review, please file individual responses as soon as they are available. At this time, consistent with the Council's policy to prevent the spread of Coronavirus, please submit an electronic copy only to [siting.council@ct.gov](mailto:siting.council@ct.gov). However, please be advised that the Council may later request one or more hard copies for records retention purposes.

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,

*s/Melanie Bachman*

Melanie Bachman  
Executive Director

MB/RM

**Petition No. 1406**  
**Doosan Fuel Cell America, Inc**  
**NuPower Thermal Bridgeport**

**Interrogatories –Set One**

1. Are there provisions for any extension of time in the power purchase agreement? Is there an option to renew at the end of the 20-year term? Does the PPA include the waste heat utilization into the thermal loop?
2. How will the project be interconnected to UI's Congress Street Substation? What infrastructure is needed outside of the parcel footprint to facilitate the interconnections, including, but not limited to, the crossing of the Metro-North Railroad? How long is the interconnection route? What are the line voltages of the electrical interconnections?
3. Is the project interconnection required to be reviewed by ISO-NE? If so, has the review process commenced?
4. Is this project configured to operate as a micro-grid?
5. Will the fuel cells be arranged so that several fuel cells comprise a power block that are interconnected with its own transformer, therefore operating independently from other fuel cell power blocks or will all of the units be connected together as one large power block with one large transformer?
6. Can each individual fuel cell unit be shut off for maintenance/repair purposes so that other fuel cell units can continue to supply power to UI's electric system?
7. Referring to Petition p. 15, when did Doosan meet with City of New Haven officials? What officials were present? What comments did the City have and how were any concerns addressed?
8. Did Doosan conduct outreach to the State Department of Transportation (DOT) regarding the proposed fuel cell building adjacent to Interstate 95? If so, when and with whom?
9. What is the distance of the proposed fuel cell building to the Interstate 95 abutments? What is the minimum required setback distance from the highway according to DOT and/or City regulations?
10. Has UI reviewed the site plans? What is the minimum setback required from the fuel cell building to the adjacent 345-kV lines installed along Railroad Avenue? Would site fencing and other site infrastructure meet transmission line clearance requirements?
11. What is the distance of the proposed fuel cell building to adjacent streets?
12. Revise Attachment 1, photo 2 to include a box or other designation to indicate the location of the proposed fuel cell building and other infrastructure.
13. Referring to the site plan, define PCC and provide more detail regarding areas shown as "Medium Voltage", "SCRWA Vault", "Water and Backflow", and "Natural Gas" .

14. Have any detailed site drawings been prepared that show the locations and details of the proposed building, other equipment/infrastructure, and overhead/underground connections? If so, please submit. If not, when will these be available for Council review?
15. What is the height of the cooling units that are mounted on the roof? Is there any concern regarding debris/objects falling from the elevated highway onto the roof and damaging the cooling units?
16. Would the fuel cell units' exhaust need to be combined and vented outside? If yes, where would such vents be installed? If applicable, how far above the roof of the building would such vents extend? Would such vents affect the Federal Aviation Administration notification exemption noted on page 9 of the Petition?
17. Does perimeter site fencing have anti-climb features? What other measures will be employed to deter unauthorized site access to the site/building/infrastructure?
18. Is fencing or another type of barrier proposed around the perimeter of each floor? If so, provide detail.
19. Have any subsurface investigations of the site parcel been conducted? Would site remediation be required prior to the commencement of facility construction? If so, how would that affect the project construction timeline?
20. What is the size of the fuel cell building in square feet?
21. Describe exterior/interior lighting to be installed at the Project site. Would such lighting be oriented away from traffic on Interstate 95?
22. Petition p. 2 describes a district thermal heating loop. What is the status of the thermal loop?
23. Petition Attachment 5, p. 2 – *Scope* states the Emergency Response Guide shall be integrated into the site Emergency Response Plan. Why are there two plans for one facility and how are they different?
24. The Emergency Response Guide only has information for an individual fuel cell. No safety procedures specific to the fuel cell building, interconnection, nitrogen storage or heat loop are included. When will these details be available?
25. Describe any building wide fire suppression system.
26. What noise reduction measures might be employed at this site? If facility noise mitigation measures cannot meet applicable regulations, is it possible some fuel cell units/associated cooling modules would be removed from the site?
27. Would Doosan obtain the required permits for off-site electrical, gas and water connections?
28. The site renderings do not include other site infrastructure or fuel cell pumps, heat exchangers, ducts, and piping. At what point will site renderings be revised to include all infrastructure for Council review?
29. Would the trees along the southern boundary be removed for the project?

30. Please identify the 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.
31. Estimate the amount of water the facility would consume per year with and without the thermal loop? What entity will supply water to the facility? Has Doosan discussed the project with the water supplier?
32. Petition Section 7 states fill would be added to the site as needed to bring the base elevation for all equipment two feet above the flood elevation. What equipment would be elevated? Is it feasible to raise the base elevation to three feet above flood elevation? If so, what would be the incremental cost?
33. Referring to Petition Attachment 6, Site plan, provide more information as to the “Future Expansion” - what is contemplated and under what circumstances would phase 2 proceed?