STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
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VIA ELECTRONIC MAIL

January 5, 2024

John Prinssen
Installation Project Manager
Doosan Fuel Cell America, Inc.
101 Riverside Drive
East Hartford, CT 06108
John.prinssen@doosan.com

RE: **PETITION NO. 1595** - HyAxiom, 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 4.14-megawatt fuel cell facility and associated equipment to be located at 35 North Main Street, Ansonia, Connecticut, and associated electrical interconnection. **Council Interrogatories to Petitioner.**

Dear John Prinssen:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than January 26, 2024. Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. 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 requests 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 January 26, 2024 deadline.

Copies of your responses are required to be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

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/IN

Petition No. 1595
HyAxiom, Inc.
35 North Main Street
Ansonia, Connecticut

Interrogatories
January 5, 2024

Notice

1. Referencing page 14 of the Petition, provide details of meetings with municipal officials including names, dates and comments.
   R – Meeting with municipal officials 05/31/23, 06/28/23, 7/24/23, 9/11/23, 12/19/23. These meeting were project review, site readiness status and lease status. Application was submitted to Ansonia Planning and Zoning 12/15/2023.

2. Has HyAxiom received any comments since the petition was submitted to the Council? If so, please summarize the comments and how these comments were addressed.
   R – No Comments have been received.

Project Development

3. What is the estimated cost of the proposed project?
   R - Cost of the project is $17,500,000

4. Is the project, or any portion of the project, proposed to be undertaken by state departments, institutions or agencies, or to be funded in whole or in part by the state through any contract or grant? –
   R – The project is fully funded by HyAxiom Inc.

5. Referencing page 2 of the Petition, when was the final approval under the Shared Clean Energy Facilities program issued by PURA. What is the duration of the contract?
   R - PURA approval was granted on 6/9/2023. Duration of the contract is 20 years from the commercial operation date.

Proposed Site

6. Provide the size/area of the host parcel in acres.
   R - Total area of the host parcel is 3.5 Acres. The fuel cell installation covers .4 Acres.

7. What is the status of the City of Ansonia's demolition of the SHW Castings/Ansonia Copper and Brass site? Are other uses proposed for the remaining portions of the host parcel?
   R – Intended demolition is being phased by the town of Ansonia. Several buildings on the site will be retained and repurposed for future development.

8. Would site remediation be required prior to the commencement of facility construction? If so, how would that affect the project construction timeline?
   R – It is unknown if site remediation is required. The town of Ansonia plans to test soils and share results once analysis is complete.

9. Referencing p. 2 of the Petition, the proposed facility would be located "within the existing foundation walls." Explain. What are the dimensions of the existing foundation walls?
R– HyAxiom facility would be located within existing foundation walls. The fuel cell installation is some 16' below street grade with limited visibility from the street.

10. Provide the distance to the existing retaining wall on North Main Street at its closest point.
R – HyAxiom facility would be installed +/-5' from the adjacent wall.

11. What is the distance and direction of the nearest residential property line from the proposed fuel cell facility?
R – Using GIS mapping the closest residential property line is 20 North Cliff St. approximately 371' from proposed fuel cell location.

12. What is the distance and direction of the nearest residential building from the proposed fuel cell facility?
R- Using GIS mapping the closest residential building is 20 North Cliff St. Approximately 416' from proposed fuel cell location.

Energy Output

13. Page 3 of the Petition references the provision of 11 million BTUs of hot water to future tenants.
    a. Is use of the waste heat required by the contract?
    R- Use of waste heat is not required by the contract.
    b. Would the use of waste heat capability be installed/utilized immediately after construction, or would modifications be required in the future?
    R- The town of Ansonia has no plan to utilize the heat initially. Once a use for the waste heat is identified additional piping will be required.
    c. How would the use of waste heat improve overall efficiency?
    R – Proper utilization of waste heat could raise overall efficiency to over 90 percent.

14. Would the proposed fuel cell provide heat, electrical baseload or backup power (or all three) for any structures on the host property. If so, provide the percentage of the baseload that would be supplied by the facility. –
R – The fuel cell installation will be directly connected to the grid and the power produced will be sold to United Illuminating at the agreed upon price.

Site Components/ Interconnection

15. Is the project interconnection required to be reviewed by ISO-NE?
R– HyAxiom Inc expects this interconnection to require an impact study and review by ISO New England.

16. Does HyAxiom have an interconnection agreement with the United Illuminating Company (UI)?
R– HyAxiom has applied for Interconnect with United Illuminating. We are currently awaiting initial comments.

17. Referencing Petition page 12 item D would the fuel cells be installed on concrete pads? If so, provide the dimensions of the concrete pad.
R – The fuel cells will be installed on a structural concrete pad which measures 184' X 72'.

18. Referencing sheets E 1.0 and GA1.0 of Attachment #1, provide the distance of the utility pole #66 from the proposed fuel cell facility.
R – Pole #66 is approximately 100' from the connection point at the fuel cell yard. All electrical cabling will be underground.

19. Provide site plans showing the electrical, water and gas utility interconnection points and their distance route? from the facility.
R- The electrical connection point will be made at pole #66. Water and gas mains are buried under North Main street but their exact location is unknown at this time.

20. Referencing Attachment #1, how many transformers would be installed as part of the electrical interconnection? What would be the line voltage of the transformers?
R – As shown on the one-line drawing there will be two 3000KVA transformers installed on site. The electrical connection to the grid will be made at 13,800 volts.

Public Safety

21. Would the project comply with the current Connecticut State Building Code, National Electrical Code and Connecticut State Fire Prevention Code?
R – The project will be constructed in full compliance with all state and local codes as well as NFPA 853.

22. Sheet GA1.0 of the Site Plan (Attachment 1) indicates that Nitrogen would be stored on site. How would HyAxiom respond to any Nitrogen tank leaks?
R – The fuel cells are equipped with internal instrumentation which would detect a nitrogen leak and cause an alarm call out to our control center which is manned 24/7 365 days a year. A technician would then be dispatched to the site.

23. Would the perimeter site fencing have anti-climb features? What security measures would be employed to protect the fuel cell units/components from vandalism or intrusion?
R- The fuel cell installation will be secured with 8' high chain link fence and privacy screening. No anti-climb feature is presently proposed. Access to the secured site will be provided with the use of Knox box devices giving first responders direct access through all gates.

24. Would the construction or operation of the proposed facility impact or interfere with any existing utilities or infrastructure within the surrounding area? If so, identify any measures that would be employed to protect existing utilities or infrastructure from impact or interference.
R – The construction and operation of the fuel cell facility will not impact existing utilities or infrastructure within the surrounding area.

25. Would lighting be installed at the facility? If so, for what purpose and what type would be installed (e.g motion activated, preset timer…)?
R – LED site lighting will be utilized for security and convenience on the site and will be controlled by light sensors and a timer.

26. Would a crane be required for construction? If yes, would notice to the Federal Aviation Administration be required for the temporary use of a crane?
R– A crane will be utilized to rig both fuel cells and electrical equipment into place. Pursuant to FAA 14 CFR Part 77.9 (Attachment #7) the installation does not require notification to the FAA.

27. Referencing Attachment 3 (Purecell 400 Datasheet) an exhaust chimney is located above each fuel cell unit. Will the operation of the fuel cell facility produce a vapor plume or cloud? If so, is there a potential for icing in colder temperatures and/or a potential to interfere with air navigation? If so, are there any mitigation measures?
R- A small vapor plume of deionized water is emitted from the fuel cells. Due to the small amount of vapor transmission no icing or interference with air navigation is anticipated.

Environmental Effects and Mitigation Measures

28. Would erosion and sedimentation controls be installed consistent with the *2002 Connecticut Guidelines for Erosion and Sediment Control*?
R – Although the total disturbed area for construction of the fuel cell installation will be under one acre erosion and sedimentations controls will be utilized during construction.

29. Would construction of the proposed facility involve disturbance of one or more total acres of land area? Estimate the total area of disturbance in square feet.
R- Construction of the proposed facility will involve disturbance less than .5 acres.

30. What would be the quantity of oil in the transformers? Will the transformers have secondary containment?
R– The exact quantity of oil in the transformers is not known at this time. No secondary containment is proposed. Transformers will be specified with fire resistant oil.

31. Referencing Petition, Attachment #16, during overhaul of the desulfurizer, how is it removed, transported, stored and disposed? Are any components reused for other products or purposes?
R- During overhaul the desulfurization containment is capped, removed from the fuel cells utilizing a small crane and transported by truck to a recycling facility. The containment is returned to HyAxiom for repurposing.

32. Referencing the estimated sound levels at positions 2 and 3 as shown on page 20 of the sound study, would any noise mitigation measures such as sound blankets be required to comply with DEEP Noise Control Standards. If so, describe the measures in detail and provide the projected sound levels post-mitigation?
R- Once constructed and in full operation the actual sound levels will be remeasured. At that time noise mitigation measure if required will be implemented. Such measures as sound blankets or other engineering controls will be deployed to assure full compliance with local noise ordinances.