

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ENERGY FACILITY SITING BOARD

IN RE: INVENERGY THERMAL DEVELOPMENT LLC's
APPLICATION TO CONSTRUCT THE
CLEAR RIVER ENERGY CENTER IN
BURRILLVILLE, RHODE ISLAND

DOCKET No. SB-2015-06

**INVENERGY THERMAL DEVELOPMENT LLC'S RESPONSES TO
THE TOWN OF BURRILLVILLE'S 21ST SET OF DATA REQUESTS**

TOWN 21-1: Our understanding is that approximately 20,000 gpd of water will be consumed during natural gas usage. Is this both units or per unit? If water is delivered to the site by truck:

- (a) How will it be stored on-site?
- (b) How frequently will deliveries be made to the site (i.e., daily, weekly)?
- (c) How many deliveries will be made during a given day?
- (d) When will deliveries be made (morning, night, any time)?
- (e) What traffic route(s) will be used?
- (f) What type/size truck will be used?

RESPONSE 21-1: Please see Invenergy Thermal Development LLC ("Invenergy") revised Water Supply Plan, filed with the Energy Facility Siting Board (the "Board") on January 11, 2017.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

DATE: January 25, 2017

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TOWN 21-2: What processes will be implemented to reduce water consumption during natural gas usage to 20,000 gpd? Will this be a combination of process cooling changes and wastewater recycling? Please explain in detail.

RESPONSE 21-2: Please see Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017.

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DATE: January 25, 2017

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TOWN 21-3: How much water will be required when oil is used as the fuel for one unit? For both units?

RESPONSE 21-3: Please see Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

DATE: January 25, 2017

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TOWN 21-4: Is the amount of water required for oil, more or less than what is required for natural gas? Please explain in detail.

RESPONSE 21-4: Oil firing requires more water than natural gas firing. Please see Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017 for details.

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TOWN 21-5: Do the water saving measures that apply for natural gas, also apply to oil?

RESPONSE 21-5: Please see Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017. The water saving measures apply to both oil and gas fired operations.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

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TOWN 21-6: If the 2M gallon water storage tank is used when oil is the fuel:

- (a) How much water per day will be consumed?
- (b) How will the tank be refilled?
- (c) In what timeframe will the tank be refilled?
- (d) How many water deliveries per day will be needed?

RESPONSE 21-6: Please see Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017; specifically, Section 2 and Appendix E, the McMahon Associates traffic analysis.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

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TOWN 21-7: Please explain in detail how the deionization ion system would work. Please specify what chemicals are involved, and in what amounts, how they will be delivered/stored/used at the site, and what steps you propose to take to protect workers, residents, and the environment from these chemicals.

RESPONSE 21-7: Manufacturer's information was included in Invenergy's revised Water Supply Plan, filed with the Board on January 11, 2017.

The Clear River Energy Center ("CREC") will utilize mobile demineralizer trailer systems to produce the high quality demineralized water needed. Mobile demineralizer trailer systems have been used for many years in many industries because they produce a high quality demineralized water product, do not rely on facility personnel for their operation, do not require the storage or handling of chemicals on site for their regeneration and do not produce wastewater that must be treated or discharged on site.

Mobile demineralizer trailer systems utilize ion exchange resins that have the chemical capacity to remove dissolved minerals and salts present in the water supply, producing a high quality demineralized water product.

The mobile demineralizer trailers, once exhausted, will be removed from the site by trucks and returned to the suppliers' regeneration station where the units will be regenerated.

As a result, no chemicals will need to be delivered, stored or used at the CREC for the regeneration of the trailer mounted demineralizer systems since the trailers will be regenerated at the suppliers' facility and not at the CREC.

Section 2.2.1 (a) of the Water Supply Plan provides additional details on the mobile demineralizer trailer systems and Appendix B provides brochures from two service providers of these types of systems.

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RESPONDENT: John Niland, Invenergy Thermal Development LLC

DATE: January 25, 2017

INVENERGY THERMAL DEVELOPMENT LLC
By its Attorneys,

/s/ Alan M. Shoer

Alan M. Shoer, Esq. (#3248)

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Dated: January 25, 2017

CERTIFICATE OF SERVICE

I hereby certify that on January 25, 2017, I delivered a true copy of the foregoing responses to the Town of Burrillville's 21st Set of Data Requests via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer

SB-2015-06 Invenergy CREC Service List as of 01/13/2017

Name/Address	E-mail	Phone/FAX
<p>File an original and 10 copies with EFSB: Todd Bianco, Coordinator Energy Facility Siting Board 89 Jefferson Boulevard Warwick, RI 02888</p> <p>Margaret Curran, Chairperson Janet Coit, Board Member Assoc. Dir., Div. of Planning Parag Agrawal Patti Lucarelli Esq., Board Counsel Susan Forcier Esq., Counsel Rayna Maguire, Asst. to the Director DEM Catherine Pitassi, Asst. to. Assoc. Dir. Plann.</p>	<p>Todd.Bianco@puc.ri.gov; Patricia.lucarelli@puc.ri.gov; Margaret.Curran@puc.ri.gov; janet.coit@dem.ri.gov; Catherine.Pitassi@doa.ri.gov; susan.forcier@dem.ri.gov; rayna.maguire@dem.ri.gov; Parag.Agrawal@doa.ri.gov;</p>	<p>401-780-2106</p>
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