

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 SUPPLEMENTAL  
RESPONSE TO THE TOWN OF BURRILLVILLE'S 23<sup>rd</sup> SET OF DATA REQUESTS, NO 23-3**

23-3 Have you ever constructed a natural gas/oil fired electric generating facility of the size and magnitude of the CREC whose water treatment process was designed to utilize mobile, trailer mounted demineralization systems as a permanent component of the process? If not, are you aware of any similar existing facilities? Please explain in detail.

ORIGINAL  
RESPONSE 23-3

Invenergy has not constructed a natural gas/oil fired electric generating facility with the same exact design features as proposed for CREC as posed by this question. Water treatment processes are unique features of nearly every electric generating facility. Invenergy has constructed a number of facilities with similar design features for the treatment of process water.

As stated in Invenergy's Response to the Town's Data Request No. 22-30, Invenergy utilizes the mobile demineralizer trailers at our Cannon Falls, MN, St. Clair, Ontario, Spindle Hill, CO and Ector County, TX facilities and has used them on a temporary basis at other facilities, such as Invenergy's facilities in Nelson, Illinois and Grays Harbor, Washington State.

The water savings technologies identified under the Water Supply Plan are conventional water treatment technologies that have been employed at many power plants and industrial facilities in one form or another for many years. In this application, the water saving technologies are not unique nor are they new. The water saving technology that will provide the most significant benefit to the reduction in water use and wastewater reduction at CREC is the use of Ion Exchange Resins in the form of mobile demineralization trailers and some simple industrial filtration systems.

GE Mobile Water Inc. is one of the vendors that supplies mobile demineralizer services, and a letter from GE Mobile Water that provides additional information on the breadth of their services was submitted to the Energy Facility Siting Board on February 14, 2017 as an attachment to Invenergy's Responses to the Town's 22<sup>nd</sup> Set of Data Requests.

**SUPPLEMENTAL  
RESPONSE**

**Invenergy recently became aware of the following similar facilities that have been fully permitted/constructed and have been or soon will be placed into commercial operation. Both these electric generating facilities**

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**will utilize mobile, trailer mounted demineralization systems as their permanent method of production of demineralized water to support operation of these facilities.**

**The Carroll County Energy Center located in Carroll County, northeastern Ohio is a 700MW gas/oil fired combined cycle electric generation facility incorporating dry cooling for heat rejection. This facility was placed into commercial operation on January 10, 2018.**

**The CPV Towantic Energy Center located in Oxford, Connecticut which is a 785MW gas/oil fired combined cycle electric generating facility incorporating dry cooling for heat rejection has completed construction and is planned to begin commercial operation in the spring of 2018.**

RESPONDENT: George Bacon, ESS Group, Inc.

DATE: May 2, 2018

INVENERGY THERMAL DEVELOPMENT LLC  
By its Attorneys,

/s/ Alan M. Shoer

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Dated: May 2, 2018

**CERTIFICATE OF SERVICE**

I hereby certify that on May 2, 2018, I delivered a true copy of the foregoing supplemental response to the Town of Burrillville's 23<sup>rd</sup> Set of Data Requests via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer