STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ENERGY FACILITY SITING BOARD

IN RE: INVENERGY THERMAL DEVELOPMENT LLC's

APPLICATION TO CONSTRUCT THE : DOCKET No. SB-2015-06

CLEAR RIVER ENERGY CENTER IN :

BURRILLVILLE, RHODE ISLAND

DIRECT TESTIMONY OF THOMAS B. HEVNER, P.E., L.S.P. ON BEHALF OF THE TOWN OF BURRILLVILLE

EXECUTIVE SUMMARY - TESTIMONY OF THOMAS B. HEVNER, P.E., L.S.P.

QUALIFICATIONS: My name is Thomas B. Hevner, Jr. I am a Professional Engineer registered in the State of Rhode Island with 23 years of experience in multi-faceted land development projects involving environmental and civil engineering.

PURPOSE OF TESTIMONY: As part of the facility technical review team for the Town of Burrillville, I am here to testify about process water supply to the proposed Clear River Energy Center (CREC) plant, the siting of the proposed plant, the wetlands and wildlife aspects of the proposed CREC, and the use and storage of hazardous materials proposed by Invenergy at the proposed CREC.

SUMMARY OF FINDINGS AND RECOMMENDATIONS:

Process Water Supply: Based on the Clear River Energy Center Water Supply Plan submitted by Invenergy to the EFSB on January 11, 2017, the current proposed source of process water for the proposed CREC facility is from the Town of Johnston by tanker truck on a daily basis under a long-term agreement. Since the proposed CREC facility was changed from a water-cooled to an air-cooled facility, the daily demand for process water ranges from 15,840 gallons per day (gpd) to 18,720 gpd when the plant is fired with natural gas. When the facility is firing oil the water demand increases to 724,320 gpd, over the past five years there has been an average of five days per year when natural gas was not available for power generation.

Assuming the Water Supply Agreement with the Town of Johnston withstands pending legal challenges from the Town and the Conservation Law Foundation, it appears to be adequate to supply the water needs for the CREC. The Johnston water is supplied by the Providence Water Supply Board, a dependable source of water. However, the water supply by truck appears to be a supply chain addition that may not be needed.

With the reduced process water demand of the project, the local water suppliers may have adequate capacity to provide water to the CREC. A local water supply could be piped to the site, eliminating the adverse impacts of trucking water to the site. A pipeline is still the preferable method to deliver process water to the proposed CREC facility.

With the reduced process water demand for the project, and the proposed siting of an on-Site water supply well, subsurface conditions should be evaluated to provide both process and potable water to the facility from an on-site source.

Depending on the proposed source, future proposals for process water may be subject to review by Rhode Island Department of Environmental Management (RIDEM) and/or Rhode Island Department of Health.

Also, an evaluation should be conducted to demonstrate how traffic impact could be minimized during the initial water and oil storage filling events. The proposed water storage at the CREC facility is 2,250,000 gallons and the proposed oil storage is 2,000,000 gallons.

Siting/Environmental Impact Statement: In an Environmental Impact Statement (EIS) performed for the Ocean State Power Plant in 1988, the property proposed for the CREC facility, then referred to as the Buck Hill Road property, was eliminated from consideration for the siting of the Ocean State Power Plant. The elimination was based on traffic, costs for a cooling water pipeline, and land use incompatibility.

In 2015, the adjoining Burrillville Compressor Station was incorporated into an EIS for a regional Algonquin facility upgrade. It was identified that the noise levels were not in conformance with the federal permit and that noise monitoring would be required post construction.

The heart of an EIS is the alternatives analysis to ensure that the best site is being chosen to minimize impact to people and the environment. The current CREC facility configuration for the proposed 67-acre parcel is tight and involves adverse impacts on wetlands and wildlife. In my professional opinion, an EIS should be conducted to ensure that all efforts have been made to select the best site that will minimize negative impacts to people and the environment prior to any permit being issued for CREC.

1 Use and Storage of Hazardous Materials: The proposed CREC facility will store and utilize at

2 least three hazardous materials: (1) 19% aqueous ammonia to control air pollutant emissions,

(2) compressed hydrogen used to cool generators at the facility, and (3) fuel oil stored in two

(2) one-million gallon aboveground storage tanks. There will also be storage and use of

hazardous waste at the proposed CREC facility.

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Based on my evaluations, this proposed plant presents unacceptable risks of harm to the environment and it should not be approved by the EFSB. However, if it is approved, there

are several protective measures that should be implemented by the EFSB as a permit

condition at the proposed CREC facility. The facility is subject to the EPA General Duty

Clause and although technically not required, I recommend that an U.S. Environmental

Protection Agency Risk Management Plan (RMP) should be a permit condition from EFSB.

The impact model inputs from a recent calculation must be updated by Invenergy to satisfy

RIDOH. Invenergy must train personnel and establish written procedures for the use and

storage of hazardous materials at the facility. Since the proposed CREC facility will have

over 1,320 gallons of aboveground petroleum storage at the facility, a Spill Prevention

Containment and Countermeasure (SPCC) Plan must be implemented in accordance with 40

CFR 112. An evaluation for the performance of a Facility Response Plan (FRP) should also

be undertaken as the project advances. A contingency source should be provided for

extended operation on fuel oil during the winter months when the on-site fuel oil storage will

be exhausted.

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- 1 Q. Please State your name and business address.
- 2 A. My name is Thomas B. Hevner, Jr. My business address is 248 Copeland Street, Quincy,
- 3 MA 02169.

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- 5 Q. Mr. Hevner, by whom are you currently employed and in what capacity?
- 6 A. I am employed by Alares, LLC as the Vice President of the Environmental Division. Alares
- was contracted by CDR Maguire to review the environmental aspects of the proposed Clear
- 8 River Energy Center (CREC). CDR Maguire was contracted by the Town of Burrillville to
- 9 conduct a technical review of the proposed CREC.

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Q. Please describe your qualifications.

- 12 A. I received a Bachelor of Science in Environmental Science with a focus in geology and
- 13 chemistry from Bridgewater State College in 1993. I received a Master of Science Degree
- in Civil and Environmental Engineering in 2000 from Northeastern University. I am a
- registered Professional Engineer in the State of Rhode Island (#11597 2015) as well as in
- the Commonwealth of Massachusetts (#41789 2001), the State of Connecticut (#23575 –
- 17 2003), and the U.S. Virgin Islands (#614C 2003). I am accredited with the National
- 18 Council of Examiners for Engineering and Surveying (NCEES #64149 2015)) as a
- 19 Professional Engineer. I am registered as a Licensed Site Professional in the Commonwealth
- of Massachusetts (#3635 2001). I have been involved in environmental engineering,
- 21 environmental science, civil, and geotechnical projects in New England and the U.S. Virgin
- Islands for over 23 years. My resume was filed with the EFSB on September 9, 2016.

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Q. What are your technical specialties?

A. My primary responsibilities are horizontal design and permit services for federal, state,
municipal, and private sector clients. Horizontal design and permit services include
environmental investigation and remediation, risk assessments, hydrogeologic evaluations,
water supply engineering for groundwater sources, environmental compliance and permits,
landfill and solid waste engineering, geotechnical engineering, and civil engineering.

Q. Have you ever testified as an expert witness before any court or administrative body?

If so, what was the nature of your testimony?

A. During the last 15 years, I have testified before planning boards, conservation commissions, and state environmental regulatory agencies in a variety of communities in Rhode Island, Massachusetts, and the U.S. Virgin Islands. These appearances have mostly been in both peer review or design presentation roles on behalf of public and private sector clients. I testified twice in 2006 and 2008 to U.S. EPA Region 2 (Air, Water, and RCRA¹) on behalf of the U.S. Virgin Islands Waste Management Authority concerning the status of solid waste facility compliance initiatives as well as proposed Waste to Energy Facilities on St. Croix and St. Thomas.

Q. What is the purpose of your testimony today?

A. I am here to testify about process water supply to the proposed CREC plant, the siting of the proposed plant, and the use and storage of hazardous materials proposed by Invenergy at the proposed CREC.

¹ RCRA - Resource Conservation and Recovery Act

Q. What materials have you reviewed in this matter?

A. I have reviewed the "Rhode Island Energy Facility Siting Board Application for the Clear River Energy Center in Burrillville, RI" prepared by ESS on October 28, 2016. I have also reviewed various other documents available through the EFSB website for the CREC. Those include the Advisory Opinions issued by the Rhode Island Department of Health (RIDOH), the Rhode Island Department of Environmental Management (RIDEM), Statewide Planning, and the Pascoag Utility District (PUD). I have also reviewed the petition from Burrillville Land Trust to US EPA Region 1 asking the EPA to conduct an Environmental Impact Statement for the CREC. I have reviewed many data responses filed on behalf of CREC and I listened to testimony by CREC witnesses at the Planning Board hearings. I have reviewed the Clear River Energy Center Water Supply Plan submitted by Invenergy to the EFSB on January 11, 2017. I have reviewed the Environmental Impact Statements (EIS) that were prepared for the Ocean State Power Plant in 1988 and the Algonquin Incremental Market (AIM) Project in 2015.

16 <u>WATER</u>

- Q. Please summarize your evaluation of the supply of process water for the proposed CREC.
- A. Based on the Clear River Energy Center Water Supply Plan submitted by Invenergy to the EFSB on January 11, 2017, Invenergy is proposing a water reducing process that will reduce the demand for process water. Invenergy is estimating the water demand will range from 15,840 gpd to 18,720 gpd when the plant is fired with natural gas. When the facility is firing

1	oil the water demand increases to 724,320 gpd. Over the past five years, there has been an
2	average of five days per year when natural gas was not available for power generation.
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4	Assuming the Water Supply Agreement with the Town of Johnston withstands pending legal
5	challenges from the Town and the Conservation Law Foundation, it appears to be adequate
6	to supply the water needs for the CREC. The Johnston water is supplied by the Providence
7	Water Supply Board a dependable source of water. However, the water supply by truck
8	appears to be a supply chain addition that may not be needed.
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10	With the reduced process water demand of the project, the local water suppliers may have
11	adequate capacity to provide water to the CREC. A local water supply could be piped to the
12	site, eliminating the impacts of trucking water to the site. A pipeline is still the preferable
13	method to deliver process water to the proposed CREC facility.
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15	With the reduced process water demand for the project and the proposed siting of an on-Site
16	water supply well, subsurface conditions should be evaluated to provide both process and
17	potable water to the facility from an on-site source.
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19	Depending on the proposed source, future proposals for process water may be subject to
20	review by Rhode Island Department of Environmental Management (RIDEM) and/or
21	Rhode Island Department of Health.
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- Q. What is your opinion for the associated truck traffic for the delivery of process water to the proposed CREC facility?
- 4 A. Under normal operating conditions, the water truck traffic will be light at two to three 8,0005 gallon water trucks per day. However, during oil fired events, there will be significant usage
 6 of stored fuel oil and water stored at the CREC facility. Although the oil-fired events are
 7 statistically short term in duration, approximately 22 trucks per day will be required to
 8 transport water, fuel oil, ammonia, and wastewater. It is likely that the winter weather
 9 conditions during these oil-fired events will be challenging.

An evaluation should be conducted to demonstrate how traffic impact could be minimized during the initial water and oil storage filling events. The proposed water storage at the CREC facility is 2,250,000 gallons and the proposed oil storage is 2,000,000 gallons.

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15 <u>SITING/EIS</u>

- Q. Please summarize your evaluation of the 1988 Ocean State Power Environmental Impact Statement.
- A. An EIS was conducted for the Ocean State Power (OSP) Plan in 1988. Twelve properties were considered for the siting of the proposed Ocean State Power Plant. One of them was the property now being proposed for the CREC facility. In the 1988 OSP EIS, the property proposed for the proposed CREC facility is referred to as the Buck Hill Road property.

 Twelve properties were evaluated for siting the proposed OSP, and then narrowed to three

1		properties - Sherman Farm Road, Bryant College, and Ironstone. The Buck Hill Road
2		property was not one of those properties.
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4		Issues cited in the OSP EIS for the Buck Hill Road property included traffic, costs for a
5		cooling water pipeline, and land use incompatibility.
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7		Citing from the 1988 OSP EIS, the Buck Hill Road site, for example, is adjacent to two-lane
8		rural roads. The roads are narrow and have numerous curves, but fortunately are not heavily
9		used and could support the traffic generated by the plant. However, local residents would be
10		aware of the increased traffic. Another reference was that Buck Hill Road was a rural, poor
11		quality two lane road, virtually untraveled, an access road into the site would be necessary,
12		and residences would have to be passed to access the site.
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14		From a land use compatibility perspective, the Buck Hill Road site is in a rural area, even
15		more sparsely settled than the area near the Halfway House site. In addition, the site is
16		adjacent to the Pulaski State Park. The OSP EIS concluded that a power plant on the Buck
17		Hill Road site would be inconsistent and incompatible with the recreational activities
18		available at the park.
19		
20	Q.	Please summarize your evaluation of the 2015 Algonquin Incremental Market (AIM)
21		Project Environmental Impact Statement.
22	A.	A final EIS was issued for the Algonquin Incremental Market Project (AIM Project) in 2015.
23		The EIS was performed by the staff of the Federal Energy Regulatory Commission (FERC).

Algonquin Gas Transmission, LLC (Algonquin) was requesting authorization to expand its existing pipeline system from an interconnection at Ramapo, New York to deliver up to 342,000 dekatherms per day of natural gas transportation service to the Connecticut, Rhode Island, and Massachusetts markets.

The proposed work for the Burrillville Compressor Station included the installation of a new compressor unit with gas cooling, restaging and repipe a single existing compressor unit, installing a new water heater, and installing a new emergency generator. A total of 15,900 HP would be added to the Burrillville Compressor Station. It was projected that the project would impact approximately 16.7 acres of land, mainly clearing for construction equipment lay down/storage areas, and approximately 76 people would be required to complete the upgrade work. The final EIS noted potential visual impacts in residential and rural areas due to installation of new power poles and the route would cross 9 streams and 9 wetland areas. Pipeline upgrade work, included for other areas of the AIM Project were not included for the Burrillville Compressor Station.

The final EIS included evaluations of geologic setting, contaminated soils, state designated aquifers, vernal pools, vegetation, endangered species, socioeconomic impact, cultural resources, air quality and noise for the Burrillville Compressor Station upgrade project.

An acoustical survey was completed for the Burrillville Compressor Station in 2014. The nearest noise sensitive areas (NSAs) are both permanent and non-permanent (i.e., vacation) residences. Algonquin identified the distance and direction to two of the nearest NSAs

(representing multiple residences) from the nearest existing or proposed compressor building. It was noted that a group of residences are located north of the existing compressor building, represented by the closest NSA at 3,320 feet from the facility, and a group of residences west of the proposed new compressor building, represented by the closest NSA at 3,610 feet from the facility. These NSAs were included in the final EIS analysis. Also, existing noise levels exceed the 55 dBA day-night sound level (Ldn) criterion at one NSA; however, three of the five existing compressor units at this station were authorized prior to implementation of noise standards.

Because existing noise levels are above 55 dBA Ldn, Algonquin, at the time, was still completing the final compressor station designs, and to ensure that the noise control measures used are properly implemented at the Southeast, Cromwell, and Burrillville Compressor Stations, the following recommendations were presented in the final EIS.

Algonquin should file noise surveys with the Secretary of the Energy Commission (Secretary) no later than 60 days after placing the authorized units at the Southeast, Cromwell, and Burrillville Compressor Stations in service. If a full load condition noise survey of the entire station is not possible, Algonquin should file an interim survey at the maximum possible horsepower load and file the full load surveys within 6 months. If the noise attributable to the operation of the modified compressor station at full or interimpower load conditions exceeds existing noise levels at any nearby NSAs that are currently at or above an Ldn of 55 dBA, or exceeds 55 dBA Ldn at any nearby NSAs that are currently below 55 dBA Ldn, Algonquin should file a report on what changes are needed and should

1		install the additional noise controls to meet the level within 1 year of the in-service date.
2		Algonquin should confirm compliance with the above requirement by filing a second noise
3		survey with the Secretary no later than 60 days after it installs the additional noise controls.
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5	Q.	Has anyone requested that an Environmental Impact Statement (EIS) be performed
6		prior to the construction of the proposed CREC facility?
7	A.	Yes. The Burrillville Land Trust (not affiliated with the Town of Burrillville) submitted a
8		request to the U.S. Environmental Protection Agency on March 7, 2016 requesting that an
9		EIS be conducted for the project.
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11	Q.	What is your opinion regarding the performance of an EIS for the proposed CREC
12		facility?
13	A.	In the 1988 EIS, the property proposed for the CREC facility, then referred to as the Buck
14		Hill Road property, was eliminated from consideration for the siting of the Ocean State
15		Power (OSP) Plant. The elimination was based on traffic, costs for a cooling water pipeline,
16		and land use incompatibility.
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18		In 2015, the adjoining property, the Burrillville Compressor Station, was incorporated into
19		an EIS for a regional Algonquin facility upgrade. It was identified that the noise levels were
20		not in conformance with the permit and that noise monitoring would be required post
21		construction.
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The heart of an EIS is the alternatives analysis to ensure that the best site is being chosen to minimize impact to people and the environment. The current CREC facility configuration for the proposed 67-acre parcel is tight and involves adverse wetlands and wildlife impacts. It is my professional opinion that an EIS should be conducted to ensure that all efforts have been made to select the best site that will minimize negative impacts to people and the environment before any permit is issued to CREC for the proposed site.

HAZARDOUS MATERIALS

- Q. Please summarize your evaluation of the use and storage of hazardous materials as they pertain to the proposed CREC facility.
- 12 A. The proposed CREC facility will store and utilize at least three hazardous materials: (1) 19%
 13 aqueous ammonia to control air pollutant emissions, (2) compressed hydrogen used to cool
 14 generators at the facility, and (3) fuel oil stored in two (2) one-million gallon aboveground
 15 storage tanks. There will also be storage and use of hazardous waste at the proposed CREC
 16 facility. There are also potential releases and catastrophic events involving natural gas at the
 17 facility or in the pipeline and related infrastructure in the vicinity of the facility.

(1) 19% Aqueous Ammonia: Aqueous ammonia for the gas turbine selective catalytic reduction ("SCR") systems, needed to reduce air emissions, will be stored at 19% concentration in a 27,000-gallon aboveground storage tank. The EPA requires facilities that store 10,000 pounds or more of aqueous ammonia which is stored at a concentration of 20% or greater to conduct an off-site consequence analysis and prepare a Risk Management Plan

(RMP) to prevent and mitigate the consequences of possible accidental releases. The RMP does not apply to aqueous ammonia stored at a concentration of less than 20%.

The Facility will not technically be subject to the RMP requirements, but will be subject to the EPA's General Duty Clause, which requires facilities to assess hazards, prevent accidental releases, and minimize the consequences of any releases which occur. Consistent with the General Duty Clause and as part of an August 9, 2016 response to the July 2016 draft RIDOH Advisory Opinion, Invenergy proposed the following provisions to ensure the safe storage of aqueous ammonia on-site, and to minimize the consequences in the unlikely event that an accidental ammonia release were to occur:

- The ammonia storage tank and its associated transfer pumps and piping will be enclosed within a concrete containment area designed to contain up to 110% of the capacity of the storage tank.
- The containment area will be filled with a passive evaporative control system designed to reduce the exposed surface area of any ammonia within the containment system by at least 90%.
- The containment area will be equipped with ammonia sensors to alert Facility operators of any system leaks.
- Procedures will be established and documented for the periodic maintenance, inspection and testing of the containment area, the leak detection system, and the evaporative control system.

- Emergency procedures will be established and documented, including the training of staff in the procedures and the proper use of the personal protective equipment which would be required during a release.
- Invenergy will coordinate with local emergency responders and the nearest hazardous materials response team to establish emergency procedures in the unlikely event of a release of ammonia from the Facility.

Although the CREC is not technically subject the Risk Management Program, as part of an August 9, 2016 response to the July 2016 draft RIDOH Advisory Opinion, Invenergy evaluated a worst-case accidental release scenario to assess the potential consequences in the "extremely unlikely" event of a release of the full 40,000 gallons of 19% aqueous ammonia into the containment area. This assessment was performed using the Area Locations of Hazardous Atmospheres ("ALOHA") Model developed by the EPA and the National Oceanic and Atmospheric Administration and included as a prescribed technique under the Risk Management Program. Invenergy stated that this "impact model" analysis was completed in accordance with the procedures contained in the EPA's "Risk Management Program Guidance for Offsite Consequence Analysis".

Invenergy claimed that the result of the ALOHA analysis was that the in-air ammonia concentrations in all areas beyond the Spectra site during a worst-case accidental release would be below the federal exposure levels, thus resulting in no adverse health effects upon exposure by proximally located residents.

However, on September 12, 2016, RIDOH issued a final Advisory Opinion to the EFSB that included a review of the ALOHA information presented above. RIDOH's opinion was that some of the model inputs used in the ALOHA analysis were inappropriate, and as a result, the distances to the toxic endpoints were substantially underestimated, and using reasonable assumptions, nearby residents could be adversely affected by an ammonia release.

(2) Hydrogen Tubes. The unit generators at the facility will use gaseous hydrogen for cooling and heat rejection. Truck trailer mounted hydrogen tube racks will be used for onsite hydrogen storage and makeup to the generators. The storage and use of hydrogen tubes at the proposed CREC facility would be subject to the provisions of the EPA "General Duty Clause."

(3) Fuel Oil Storage. Two one-million gallon tanks are proposed for the storage of fuel oil at the facility. During the winter months, the elevated demand for natural gas may require that the plant be operated on fuel oil. Since the above groundwater storage of fuel oil at the facility is greater than 1,320 gallons, the storage and use of fuel oil at the proposed CREC facility is subject to the Spill Prevention, Containment, and Countermeasure (SPCC) Plan regulations as specified in 40 CFR 112. As part of the Response to the 15th Set of Data Requests issued on August 19, 2016, Invenergy did include a draft SPCC plan as an attached exhibit. The draft was generic in nature based on the level of design currently undertaken by Invenergy and would need to be enhanced if the project advances.

An evaluation for the implementation of a Facility Response Plan (FRP) should also be undertaken if the project advances. Even though oil is not being transferred over water, as presented in 40 CFR 40 - Attachment C-1 – Flowchart of Criteria for Substantial Harm, the location of the proposed facility needs to be evaluated to determine if there would be adverse impacts to fish, wildlife, and sensitive environments by a release from either one or both of the proposed one-million gallon fuel oil aboveground storage tanks.

A contingency source should be provided for extended operation on fuel oil during the winter months when the on-site fuel oil storage will be exhausted. In the Response to the 4th data request issued by Invenergy on April 27, 2016, it was projected that the proposed 2 million gallons of fuel oil would be exhausted in 72 hours of extreme winter condition operation. This is a projected hourly use of 27,800 gallons of fuel oil and maintaining that capability beyond 72 hours would require approximately four 8,000-gallon tanker trucks to deliver fuel oil to the facility every hour. Based on the potential hazards associated with these transports during extreme conditions in winter months, Invenergy should consider the construction of a fuel oil pipeline similar to the one that was constructed for Ocean State Power in Burrillville.

- Q. What is your opinion of EFSB requiring Invenergy to implement a RMP at the proposed CREC facility?
- A. Although technically not subject to the RMP requirements, in the August 9, 2016 response to the RIDOH Advisory Opinion Invenergy proposed to conduct a facility-wide "RMP-like" hazard analysis to ensure full compliance with the General Duty Clause. This assessment

1		would include the ammonia, hydrogen tubes, and fuel oil storage and delivery systems, the
2		storage and transportation of hazardous waste generated at the facility, and the transport and
3		use of natural gas at the facility or in the pipeline or related infrastructure.
4		
5		It is my opinion that Invenergy should conduct a full RMP, not just an "RMP-like" analysis.
6		I recommend that the EFSB require Invenergy to do so.
7		
8	Q.	What are your recommendations and requested EFSB-required conditions for the
9		storage and use of hazardous materials at the proposed CREC facility?
0	A.	I am of the opinion that the proposed CREC facility presents an unreasonable risk of harm
11		to the environment and should not be permitted by the EFSB. However, if it is permitted:
12		
13		(1) A Risk Management Plan (RMP) should be a permit condition from EFSB.
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15		(2) The ALOHA model inputs must be updated to satisfy RIDOH.
16		
17		(3) The EFSB should require, as a permit condition, that Invenergy will work with local
18		emergency responders to establish emergency procedures in the event that there is an
19		accidental release of ammonia or another hazardous material from the facility.
20		
21		(4) The EFSB should require, as a permit condition, that Invenergy must establish written
22		procedures for the periodic inspection, testing, and maintenance of all equipment, controls,
23		and sensors related to the storage and use of hydrogen at the facility. All staff involved with

the storage, transfer and use of hydrogen must be provided with the appropriate training and procedures necessary to ensure the safe maintenance and operation of the hydrogen system, including emergency procedures. Periodic refresher training of this training must be provided to the relevant staff.

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(5) Since the proposed CREC facility will have over 1,320 gallons of aboveground petroleum storage at the facility, a Spill Prevention Containment and Countermeasure (SPCC) Plan must be implemented in accordance with 40 CFR 112. An evaluation for the performance of a Facility Response Plan (FRP) should also be undertaken if the project advances.

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Q. Are the opinions you have expressed in your testimony based upon your education, training, experience and the materials you have reviewed to prepare for this testimony, and are those opinions all based upon a reasonable degree of certainty or probability in your fields of expertise?

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- 18 Q. Does this conclude your testimony?
- 19 A. Yes.

A.

Yes.