

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ENERGY FACILITY SITING BOARD**

IN RE: INVENERGY THERMAL DEVELOPMENT LLC :
APPLICATION TO CONSTRUCT AND :
OPERATE THE CLEAR RIVER ENERGY : **SB-2015-06**
CENTER, BURRILLVILLE, RHODE ISLAND :

INVENERGY THERMAL DEVELOPMENT LLC’S RESPONSE
TO THE ENERGY FACILITY SITING BOARD’S
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EFSB 1-1: Please describe the environmental disturbance expected with the construction and operation of the Clear River Energy Center and detail what mitigation efforts will be engaged to address those disturbances.

RESPONSE 1-1: The potential environmental impacts associated with the construction and operation of the Clear River Energy Center (“CREC” or “the Project”) and the mitigation measures to be implemented to minimize those impacts are detailed extensively in Section 6.0 of Invenergy Thermal Development LLC’s (“Invenergy”) Energy Facility Siting Board (“EFSB”) Application and are summarized below.

AIR QUALITY:

The CREC facility will be a major stationary source of criteria pollutants during its operation. However, the CREC will comply with all applicable state and federal air pollution control regulations and air quality standards. CREC will implement the Best Available Control Technology (“BACT”) and the Lowest Achievable Emission Rate (“LAER”), as required. Invenergy will purchase Emission Reduction Credits (“ERCs”) to fully offset the nitrogen oxides and volatile organic compound emissions from the CREC. Invenergy is also required to obtain allowances for its CO₂ emissions to comply with the Rhode Island CO₂ Budget Trading Program. Invenergy is also required to obtain allowances for its annual SO₂ emissions to comply with the federal Acid Rain Program.

As demonstrated by the air quality impact analysis and health risk assessment completed for the Project, the air quality in the surrounding area will be maintained at levels which have been deemed by the Environmental Protection Agency (“EPA”) and Rhode Island Department of Environmental Management (“RIDEM”) to be protective of human health and the public welfare, including the most sensitive of the population, with a margin of safety.

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There will be minor, temporary, localized impacts to air quality during the construction of the CREC from the operation of construction equipment and vehicles. Invenenergy will require its contractors to implement measures to minimize any potential off-site impacts to air quality during CREC construction. These measures will include, but not be limited to, using fuels compliant with EPA specifications, minimizing construction equipment and vehicle idling and using EPA emissions certified engines. Dust control measures will be implemented during CREC construction as needed, utilizing industry standard best management practices.

GROUNDWATER & SURFACE WATER:

A Spill Prevention, Control, and Countermeasure (“SPCC”) Plan and a Stormwater Pollution Prevention Plan (“SWPPP”) will be developed and implemented to prevent impacts to groundwater or surface water during CREC operation. A Water Quality Certification will also be required. During CREC construction, dewatering will be performed as needed to avoid groundwater impacts. If any contaminated groundwater is encountered in any of the construction areas potentially requiring dewatering, the appropriate state and/or local permits will be obtained to address discharge of off-site management of the pumped water. Invenergy will apply for and obtain a RIPDES Construction General Permit, including a Soil Erosion and Sediment Control (“SESC”) Plan to ensure that area surface waters are adequately protected from potential impacts during construction.

WATER USE & WASTEWATER DISCHARGE:

The CREC, as an air cooled facility, has been designed to minimize water use during its operation. The CREC's water use and wastewater discharge are detailed extensively in Invenergy's Energy Facility Siting Board ("EFSB") Application. The stream depletion analysis completed for the CREC has demonstrated that there will be adequate water supply from Pascoag Utility District ("PUD") Well 3A, even in the

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summer months when the river is at its lowest points, to support its operation. Invenergy is working with RIDEM to put in place measures that can be taken to minimize CREC’s water use during its operation if a stream depletion event were to occur.

The wastewater from the CERC, which will be sent to the Burrillville Wastewater Treatment Facility (“BWWTF”), will comply with the EPA’s Categorical Effluent Standards for a Steam Electric Generating Facility without the need for additional pre-treatment. Invenergy will apply for an Industrial Wastewater Discharge Permit from the BWWTF, which will include effluent discharge limits to ensure that the CREC wastewaters will not adversely impact the BWWTF or the receiving water body. Sampling of the CREC wastewater discharge will be required both initially and on an ongoing basis to ensure that the effluent limits established in the permit are being met.

WETLANDS:

The CREC has been designed to avoid and minimize impacts to jurisdictional wetland resource areas. Invenergy will apply for a Permit to Alter Freshwater Wetlands from RIDEM and an Individual Permit from the United States Army Core of Engineering (“ACOE”) for all proposed wetland impacts, including the power plant, the transmission line and the water treatment facility to be installed at PUD Well #3A. In order to obtain these permits, Invenergy must demonstrate that the proposed CREC wetland impacts have been minimized and that all feasible alternatives to further avoid permanent wetland impacts have been considered.

Invenergy is currently investigating construction laydown locations that would minimize any additional impacts to wetlands associated with construction. Any unavoidable temporary impacts to wetlands associated with the staging of construction vehicles, equipment and materials during CREC construction will be restored once construction

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is completed where feasible.

In coordination with RIDEM and the ACOE, Invenergy will develop a Wetlands Mitigation Plan (“WMP”) to compensate for all unavoidable direct, indirect and secondary wetland impacts from the CREC. The WMP will include a combination of proposed wetland restoration, creation, enhancement and preservation measures within the affected watershed in the required compensatory mitigation ratios.

STORMWATER:

A Stormwater Management Plan (“SMP”) is being developed to minimize impacts to surface waters from stormwater runoff during operation. The SMP will meet all of the applicable criteria of the Rhode Island Stormwater Design and Installation Standards Manual and will utilize each of the required best management practices, including preservation of undisturbed areas, preservation of buffers and floodplain, minimizing clearing and grubbing, working with the natural landscape conditions, hydrology and soils, reducing impervious cover and source control. A SWPPP will be developed and maintained for to satisfy the requirements of the MSGP for Industrial Activities which will be required. A RIPDES Construction General Permit will be obtained, which will include the development of a Soil Erosion and Sediment Control Plan, reducing or eliminating pollutants in stormwater discharge during construction.

VEGETATION AND TERRESTRIAL ECOLOGY:

There will be tree clearing and new impervious surfaces associated with the CREC, impacting the vegetative community and some habitat areas. The CREC has been designed to minimize impacts to vegetation and wildlife habitats, and Invenergy will restore vegetated and habitat areas temporarily impacted during construction wherever feasible. The CREC will also limit tree clearing activities during the breeding season of any threatened species identified in the areas to be cleared.

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GEOLOGY AND SOILS:

The CREC will have minimal impacts to earth resources as it has been designed to be compatible with the local geologic conditions. Detailed geotechnical evaluations will be performed prior to construction to further determine the subsurface conditions and the necessary design criteria. A Soil Erosion and Sediment Control Plan will be developed to protect resource areas throughout construction. Excavated material will be re-used when possible. Any off-site disposal of excavated materials will be in accordance with applicable regulations and guidance. Operational impacts to geology and soils will be negligible.

COASTAL RESOURCES:

The CREC will not impact any coastal resources.

TRAFFIC:

The CREC will have a minimal impact on traffic during operation. Employee vehicle trips will be spread out over multiple work shifts. There will be daily deliveries of supplies and equipment but such deliveries will be intermittent. There will be truck deliveries of ultra-low-sulfur diesel (“ULSD”) when ULSD is fired. However, as the firing of ULSD is not expected to occur more than a few times per year, any impact would be temporary.

Invenergy will coordinate closely with the Rhode Island Department of Transportation (“RIDOT”) and the Town of Burrillville to implement a pragmatic Traffic Management Plan during construction activities to minimize impacts on local roadways. Invenergy has engaged the services of an expert traffic consultant to help develop the CREC Traffic Management Plan, which will be made available to the public when completed.

NOISE:

The noise levels during normal operation of the CREC will comply

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with the A weighted limit contained in the Town of Burrillville's Noise Ordinance. The CREC will incorporate extensive noise mitigation measures during operation, as detailed in Invenergy's EFSB Application. Construction noise is likely to be occasionally discernible. However, it is not expected to increase ambient noise levels significantly. Any nighttime or weekend construction activities will likely be similar to the "finishing" phase of construction, which is typically 10 decibels lower than other phases. The size of a nighttime/weekend work force will be significantly smaller than during typical daytime weekday hours, thereby further reducing noise levels. CREC construction is not expected to result in any significant community noise impact.

WASTES:

The CERC will generate relatively little industrial solid waste during construction or operation, and the waste generated will be managed in accordance with the applicable regulations. All waste will be stored in an area with cover, secondary containment and an impervious surface. All waste accumulation areas will be equipped with appropriate spill response equipment. Employees will be trained to manage waste safely and in accordance with applicable regulations.

EMF:

As detailed in Invenergy's EFSB Application, an analysis conducted of the EMF levels for the existing and proposed transmission lines within National Grid's right-of-way found that the EMF levels at the edges of the ROW and 100 feet to either side of the ROW will be well below the recommended reference levels and well within the standard and guidelines set by other states for new transmission line additions.

VISUAL:

The CREC has been sited and designed to minimize visual impacts. As detailed in Invenergy's EFSB Application, a visual assessment has

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been completed to assess the potential for visual impacts to public resources in the vicinity of the CREC. The assessment concluded that the CREC will have minimal visibility from most locations during daytime hours. Less than one percent of the five mile visual study area will have visibility during the day. Invenergy will file an application with the Federal Aviation Administration (“FAA”) for a determination on the need for nighttime lighting on the CREC exhaust stacks. If nighttime lighting is required, additional analysis will be completed to determine the potential for nighttime visual impacts from the CREC. A visual assessment will also be completed for the new transmission line, once its preliminary design has been completed.

CULTURAL RESOURCES:

A Phase 1 Archeological Intensive Study has been conducted on the areas of the CREC site which will be disturbed. Four areas of archeological interest were identified. The study concluded that two of those areas do not appear to retain context and therefore, no further archeological work was recommended in those areas. The Study recommended avoidance of the other two areas identified. The CREC will avoid the areas identified as having potential archeological significance. The Rhode Island Historical Preservation and Heritage Commission subsequently issued a letter dated October 26, 2015, stating that as the project proponent plans to avoid these two areas, the CREC will have no effect on any significant archeological resources. A Phase 1 Archeological Assessment will also be completed for the areas along the National Grid ROW to be impacted for the new transmission line, once its preliminary design has been completed.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

 Mike Feinblatt, ESS Group, Inc.

DATE: April 26, 2016

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EFSB 1-2: Please identify whether Invenergy Thermal Development LLC has engaged the services of an environmental compliance firm. If so, identify the name of the individual, the company he/she is employed by, the specific duties that individual has been retained to engage in, and length of that individual's employment. Please further outline the details of Invenergy's plan for environmental compliance monitoring during both construction and operation of the proposed Facility.

RESPONSE 1-2: Invenergy will retain the services of a qualified environmental compliance firm(s) during both the construction and operational phases of the project. An environmental monitor will be on-site throughout CREC construction to ensure that all project permit conditions are met and that all applicable environmental regulations and guidelines are adhered to throughout construction. During operation, Invenergy will utilize environmental consultants with the specific expertise needed to maintain full permit compliance to supplement the capabilities of the on-site operational staff and Invenergy's corporate environmental compliance resources.

RESPONDENT: John Niland, Invenergy Thermal Development LLC
 Mike Fienblatt, ESS Group, Inc.

DATE: April 26, 2016

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EFSB 1-3: Please describe the community outreach that has been employed by Invenergy Thermal Development LLC and include copies of all materials circulated to individuals and media. Included in this response, please detail future plans for community outreach during this application process and, if the application is approved, for during construction and operation.

RESPONSE: Invenergy has conducted consistent public outreach since the project was first proposed. This includes, but is not limited to, the following:

- Informal door-to-door canvassing of project abutters, with an informational card;
- Two informational mailers to all Burrillville households;
- Two public Open Houses at Burrillville Middle School – both publicized by ads in the *Bargain Buyer*; mailed invite postcards to Burrillville residents; and local media outreach;
- Ongoing media outreach, including a press conference to announce the project proposal that received widespread publicity; and multiple stories by *The Providence Journal*, *Woonsocket Call*, Rhode Island Public Radio, WJAR, WPRI and EcoRI. In-studio media appearances on WPRI-TV’s “Dan Yorke State of Mind” and “Executive Suite,” and on WPRO-AM’s Dan Yorke Show;
- A series of informational advertisements in the Burrillville *Bargain Buyer*. Ads thus far have focused on environmental impacts and the permitting process – and each include times and dates of upcoming public hearings;
- Three separate community “Office Hours” at Jesse M. Smith Library in Burrillville – advertised in *Bargain Buyer*;
- FAQ’s and handouts available at EFSB public hearing;
- A robust and active project website (www.clearriverenergycenter.com) – which provides for questions submitted from the public – as well as active Twitter and Facebook social media channels;
- Public presentation to TEC-RI’s “Energy Day”;

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- Informal briefing for Save The Bay;
- Upcoming “Eggs and Issues Breakfast” with Northern Rhode Island Chamber of Commerce.

Copies of the circulated materials are attached as **Exhibit 1**.

RESPONDENT: John Niland, Invenergy Thermal Development
Meaghan Wims, Duffy & Shanley, Inc.

DATE: April 26, 2016

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Permit	Agency	Status	Required Date
Individual Permit (Wetlands)	Army Corps of Engineers	To be submitted prior to construction.	Required for the commencement of construction.
Determination of No Hazard to Air Navigation	Federal Aviation Administration	To be submitted prior to construction.	Required for the commencement of construction.
Building/AST Permits	Town of Burrillville	To be submitted prior to construction.	Required for the commencement of construction of applicable structure.
Heavy Haul	Rhode Island DOT	To be submitted prior to construction.	Required for the delivery to site of the CTG, STG and HRSG Modules and Drums. To be issued prior to transporting
Above Ground Storage Tank (AST) Permit	State Fire Marshall	To be submitted prior to construction.	Required for the commencement of construction.
Assent/Waiver	Rhode Island Coastal Resources Management Council	Request for waiver pending.	Required for the commencement of construction.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

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EFSB 1-5: With regard to the transmission line that will be constructed, please identify the total length of the line, the total length of the line that would not be within the National Grid right-of-way, and the owner(s) of all other property through which the line would pass.

RESPONSE 1-5: The line will be 6.8 miles long and located with National Grids Right of Way (total length 6 miles) and across Spectra's property (0.8 miles) and the project site at the switchyard.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

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EFSB 1-6: Please superimpose over a map of the site information that depicts the components for the facility, the access road and the transmission line, and the route walked during the February 22, 2016 site visit.

RESPONSE 1-6: Please see the map, attached as **Exhibit 2**.

RESPONDENT: John Niland, Invenergy Thermal Development LLC

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INVENERGY THERMAL DEVELOPMENT LLC
By its Attorneys,

/s/ Alan M. Shoer

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Dated: April 26, 2016

CERTIFICATE OF SERVICE

I hereby certify that on April 26, 2016, I delivered a true copy of the foregoing responses to the Energy Facilities Siting Board via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer

EXHIBIT 1

THE CLEAR RIVER ENERGY CENTER WILL BE THE MOST EFFICIENT, ADVANCED POWER PLANT IN NEW ENGLAND.

BURRILLVILLE'S WORKFORCE, THE LOCAL ECONOMY AND PASCOAG WATER DISTRICT CUSTOMERS WILL ALL BENEFIT.

New Local Jobs

During construction, we'll create more than 300 jobs right here in Burrillville. And once it's built, we'll have a staff of 25 workers to run the plant, many of whom will be from the local area.



+300
CONSTRUCTION JOBS



LARGEST TAXPAYER

Money for the Town

Our more than \$700 million investment will make us one of Burrillville's biggest businesses. We'll be the town's largest taxpayer by far, generating millions of dollars in new revenue for town services, schools, roads, or keeping property tax increases in check.

Restoring an Unusable Well

We will use water from a currently contaminated Pascoag Utility District well, which the town was unable to clean up due to the high costs. We'll be the Water District's largest customer, bringing in new revenue to the district without straining the system.



WELL #3A

\$280
MILLION
IN SAVINGS

Lowering Electric Costs

Rhode Island has the seventh-highest retail electric rates in the nation. We'll help reduce that cost by adding new, more efficient generation capacity, resulting in an estimated \$280 million in cumulative savings for all Rhode Islanders.

www.clearriverenergycenter.com



CLEAR RIVER ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

- MILLIONS OF DOLLARS IN NEW REVENUE FOR BURRILLVILLE
- HUNDREDS OF NEW JOBS FOR LOCAL WORKERS
- CLEAN, HOMEGROWN ENERGY FOR RHODE ISLAND
- REDUCING EMISSIONS BY REPLACING AGING COAL PLANTS

“The construction of this clean energy generation facility will create hundreds of jobs while delivering more affordable and reliable energy to our businesses and homes. We are tackling our regional energy challenges, committing to cleaner energy systems in the long-term, and putting Rhode Islanders back to work.”

— Governor Gina M. Raimondo.

PROVIDENCE
Journal

“A good proposal”

Aug. 18, 2015



For more information, please visit us at

www.clearriverenergycenter.com

[f /clearriverenergycenter](https://www.facebook.com/clearriverenergycenter)

[t @clearriverec](https://twitter.com/clearriverec)



CLEAR RIVER

ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

GOING THROUGH THE PROPER CHANNELS

– A DOZEN PERMITS AND MONTHS OF REVIEW

*The Clear River Energy Center is far from a “done deal,” despite what some critics have claimed. The fact is, **permitting a power plant is no simple task.***

*This project has to pass **rigorous environmental reviews** by the relevant governmental agencies including the Rhode Island Department of Environmental Management and the Rhode Island Energy Facility Siting Board.*

Experts at these agencies will review our plans for everything from wastewater treatment to air quality, and from wetlands impacts to emissions.

*We need **numerous permits** from several governmental agencies before we even put the first shovel in the ground. The experts will decide, and the review has only begun.*

OFFICE HOURS

STOP BY TO LEARN MORE.

Members of Invenergy’s team will be available at community “office hours” at Jesse M. Smith Library to meet with residents who want to learn more about the project.

Thursday, April 28th

from 10:30 – 11:30 a.m.
and 6 – 7 p.m.

Jesse M. Smith Library

100 Tinkham Lane
Harrisville, RI

Tuesday, May 3rd

from 10 – 11 a.m.

PUBLIC HEARING

PUBLIC COMMENTS WILL BE HEARD.

The Energy Facility Siting Board will hold its next public hearing on:

Tuesday, May 10th

at 6 p.m.

Burrillville Middle School

2200 Broncos Highway
Harrisville, Rhode Island

www.ClearRiverEnergyCenter.com

[f /clearriverenergycenter](https://www.facebook.com/clearriverenergycenter)

[t @clearriverec](https://twitter.com/clearriverec)



CLEAR RIVER ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

CLEANING UP A LOCAL WELL – WITHOUT BURDENING WATER SUPPLY

*The Clear River Energy Center will have **no impact** on the local water supply. Simply put: The water supply can meet the needs of all existing homes and businesses and our project, without any strain on the system.*

***Here's how it will work:** We'll supply all the water we need from a Pascoag Utility District well that has been unusable since a gasoline leak contaminated it back in 2001.*

***Cleaning up a dirty well:** Finally, the Town will be able to move past a long history of water contamination. We'll pay to clean up that well by adding a new treatment system, which will **remove the contaminants** before the water leaves the system and arrives at the power plant. This is the same process commonly used in other parts of the U.S. to treat groundwater contaminated by gasoline. Even though the treated groundwater won't be used for drinking water supplies, the treatment process will bring that water to a level of purity that meets drinking water quality standards.*

*We'll be the only user tapping that well, and **only treated water** will leave that well. Only suitable water quality will arrive at the power plant, and we'll meet the limits necessary to send our wastewater to the town's treatment plant.*

**{ THE ENERGY FACILITY SITING BOARD
WILL HOLD ITS NEXT PUBLIC HEARING }**

ON



Tuesday, May 10
at 6:00pm



Burrillville High School
425 East Avenue,
Harrisville, Rhode Island.



Public comments will be heard.

f /clearriverenergycenter

t @clearriverec

www.ClearRiverEnergyCenter.com



State-of-the-Art Burrillville Power Project Advancing with Filing of Project Plans with State's Energy Facility Siting Board

Clear River Energy Center will be a key piece in solving Rhode Island's energy challenges – and New England's most efficient power facility

PROVIDENCE, R.I., November 12, 2015 – Invenergy has filed its permit application with the Rhode Island Energy Facility Siting Board (EFSB) for the Clear River Energy Center, a state-of-the-art natural-gas fueled power generation facility.

The EFSB will review the application and is expected to schedule public hearings on the project over the next several months. In addition, Invenergy will host an Open House in Burrillville in the coming weeks.

The EFSB application, which can be reviewed [here](#), provides more detail on the benefits of the proposed 900+ megawatt Clear River Energy Center, including lower energy costs for ratepayers; jobs for local workers and millions of dollars in new revenue for the Town of Burrillville; and reduced air emissions and improved air quality.

"We're confident our project will play a major role in solving Rhode Island's energy challenges, bringing clean, affordable and reliable new energy to the state and the region," said Bryan Schueler, Invenergy's Senior Vice President of project development. "Not only that, but this facility will become a new economic engine for northern Rhode Island, employing hundreds during construction and dozens more over the life of the project. We're ready to invest in Rhode Island and its workforce to make this project a reality, and we look forward to the EFSB's review of our proposal."

Once approved by state and local regulators, construction on the Clear River Energy Center is scheduled to begin in the fourth quarter of 2016, with commercial operations expected by the summer of 2019.

Project benefits will include:

Jobs and Economic Benefits

- Invenergy plans to invest more than \$700 million in the new facility – Rhode Island's largest energy project in decades.
- Overall economic impact on Rhode Island's economy is projected at **\$1.3 billion** between 2016 and 2034.

- Employing more than **300 local workers** in construction jobs and 25 full-time staff members when operational.
- Contributing more than \$3.5 million annually to the local economy in employee salaries.
- Clear River Energy Center will be one of the largest taxpayer by far in the Town of Burrillville. These payments represent millions of dollars annually in new revenue for the Town, with little to no impact on town services.

Addressing Region's Energy Challenges

- Rhode Island's average electricity costs rank seventh-highest in the country. The Clear River Energy Center is projected to result in **\$70 million** in annual cost savings for Rhode Island ratepayers.
- An advanced technology combined cycle generation facility, the Clear River Energy Center will be the most efficient natural gas-fired plant in New England.
- Adding between **850 to 1,000 megawatts (MW)** to the regional grid – much-needed new capacity as aging, more polluting coal and oil plants, and the Pilgrim nuclear plant in Massachusetts, are slated to retire in the coming years.
- The project will be in compliance with the U.S. Environmental Protection Agency's new Clean Power Plan as it relates to air quality and emissions standards.
- The use of new, highly efficient and flexible power generation will allow more renewables to be added to the regional electric generation network.

Cleaning up an unused well

- The Clear River Energy Center will utilize a Pascoag Utility District well that has been unusable since it was contaminated in 2001 – paying for a treatment system that will remove the groundwater contamination over time.

Cleaner energy and healthier air

- By displacing existing inefficient and more polluting sources of energy, Clear River Energy Center is expected to lower emissions of air pollutants in the region by the following amounts each year*:
 - Carbon Dioxide (CO₂): by 1,019,000 tons
 - Nitrogen Oxides (NO_x): by 2,240 tons
 - Sulphur Oxides (SO_x): by 2,762 tons.
- (* average annual reduction between 2019 and 2025)

About Invenergy

Invenergy and its affiliated companies develop, own and operate large-scale renewable generation, natural gas and clean energy storage facilities in North America and Europe. Invenergy is North America's largest independent wind power generation company, with its home office in Chicago and regional

development offices in the United States, Canada, Europe, Japan, and Mexico.
For more information, please visit www.invenergyllc.com.

###

Contact:

Mary Ryan, Senior Manager, Public Relations
Invenergy
312-582-1424
mryan@invenergyllc.com



For more information

Alissa Krinsky, Director of Communications
Invenergy
312-582-1554 or akrinsky@invenergylc.com

*** MEDIA ADVISORY / PHOTO AND VIDEO OPPORTUNITY ***

**Governor Raimondo to Announce Plans for
“Next-Generation” Clean Energy Facility in Burrillville**

***Project to Employ More Than 300 Local Workers,
Generate 900+ Megawatts of Power***

WHAT: Rhode Island Governor Gina M. Raimondo will join Michael Polsky, CEO of leading clean energy company Invenergy, to announce the company’s plans to build the **Clear River Energy Center**, a state-of-the-art, natural gas-fueled power generation facility, in Burrillville.

The project will add more than 900 megawatts of clean, homegrown electricity to New England’s grid, which is in need of new, cleaner, and more reliable energy sources as the region faces the retirement of aging power plants in the coming years.

Invenergy plans to invest more than \$700 million in the new facility and to hire more than 300 local workers to build and operate the facility. The Clear River Energy Center also will contribute millions of dollars in tax revenue each year to the Town of Burrillville.

WHO: **Rhode Island Governor Gina M. Raimondo**
Michael Polsky, President and CEO, Invenergy
Michael F. Sabitoni, President, Rhode Island Building and Construction Trades Council

WHERE: **Rhode Island State House**
State Room, 82 Smith Street
Providence, R.I. 02904

WHEN: **Tuesday, August 4, 2015**
10:00–11:00 a.m.



Leading Clean Energy CEO, Governor Raimondo Join In Announcing State-of-the-Art Clean Power Project; Key Piece of Solution To Rhode Island Energy Challenges

*Clear River Energy Center will help meet the region's energy needs;
result in \$280 million in electric rate savings;
create more than 300 full-time construction jobs;
and bring cleaner, healthier air to Rhode Island*

PROVIDENCE, R.I., AUGUST 4, 2015 – Michael Polsky, president, founder, and CEO of leading clean energy developer and operator Invenergy, was joined by Rhode Island Governor Gina M. Raimondo and other state and local leaders on Tuesday to announce plans for the Clear River Energy Center, a “state-of-the-art” natural gas-fueled power generation facility in Burrillville. The project will play a major role in addressing energy reliability and affordability challenges due in part from aging coal and oil plant retirements, and is projected to result in \$280 million in cumulative savings for Rhode Island consumers.

“The construction of this clean energy generation facility will create hundreds of jobs while delivering more affordable and reliable energy to our businesses and homes,” said Governor Gina M. Raimondo. “We are tackling our regional energy challenges, committing to cleaner energy systems in the long-term, and putting Rhode Islanders back to work.”

“Invenergy is excited about investing in Rhode Island and being part of the solution to energy challenges in the state and region,” Polsky said. “Governor Raimondo has shown great leadership in working towards clean, affordable, reliable energy in the Ocean State, and the Clear River Energy Center will deliver just that.”

Invenergy plans to invest more than \$700 million in the new facility, which would generate an overall economic impact to Rhode Island’s economy of \$1.3 billion between 2016-2034. Facility construction would create more than 300 jobs for local workers, and once operational, it would employ 25 permanent skilled employees with total annual payroll of \$3.5 million.

“The Clear River Energy Center will create hundreds of well-paying construction jobs, exactly the type of work our local tradesmen and women need,” said Michael F. Sabitoni, President of the Rhode Island Building and Construction Trades Council. “Rhode Island’s workforce is ready to help build this project and to bring new energy to the region.”

The Clear River Energy Center will be the most efficient natural gas-fired energy facility in New England. Using the world's most advanced power generation technology, the project will address the region's energy needs by adding more than 900 megawatts (MW) of clean, domestic electricity to the regional grid.

Project Details

The Clear River Energy Center will provide critical electric rate savings and increased reliability for Rhode Island families and businesses; deliver jobs and economic benefits to workers and communities; and bring cleaner energy and healthier air to Rhode Island. Benefits will include:

Electric rate savings and increased reliability: Rhode Island customers already pay the fifth highest retail electric rates in the country, and with New England's regional electric grid facing the retirement of approximately 6,000 MW of aging power plants, keeping rates in check presents a major challenge. The Clear River Energy Center will add more than 900 MW of new, cleaner energy to the regional grid. By displacing older, inefficient plants, Clear River is projected to save ratepayers \$280 million in cumulative savings between 2019 and 2022. Additionally, the project will allow ISO-NE to meet the current capacity shortage forecasted for the Rhode Island zone of the regional grid.

Jobs and Economic Benefits: The \$700+ million project will be Rhode Island's largest energy project in decades. The Clear River Energy Center will create more than 300 local construction jobs, and, when operational, employ 25 full-time staff members. The project will contribute more than \$3.5 million annually to the local economy in employee salaries. For Burrillville, the project will generate millions of dollars annually in new tax revenue, which can be used to support schools, libraries, police and fire services. Since the facility will have little-to-no impact on town services, the economic benefits should help reduce the property tax burden for homeowners for decades to come.

Clear River will also invest in well treatment and system upgrades, which should help the 1,200 water customers of the Pascoag Utility District by contracting on a long-term basis for industrial water supply. Plans for the Clear River Energy Center involve using water from two Pascoag Utility District wells that have been unusable since deemed contaminated in 2001. The Clear River Energy Center will pay for these wells to be reactivated and cleaned up over time.

Cleaner energy and healthier air: By enabling the transition away from older, less-efficient, and polluting coal and oil plants, Clear River will lower emissions of harmful pollutants in the region by the following amounts each year:

- Carbon Dioxide (CO₂): by 913,000 tons
- Nitrogen Oxides (NO_x): by 1,993 tons
- Sulphur Oxides (SO_x): by 2,702 tons.

With fast start ability and the flexibility to vary energy production on demand, natural gas plants like the Clear River Energy center complement renewable energy technologies that vary output based on changes in wind speed and sunlight.

By reducing harmful carbon emissions and supporting the growth of renewable energy, the Clear River Energy Center will significantly contribute to Rhode Island meeting its Clean Power Plan goals.

Once approved by state and local regulators, construction on the Clear River Energy Center is scheduled to begin in the fourth quarter of 2016, with commercial operations expected by the summer of 2019.

The plant will be owned and operated by Invenergy, a leading clean energy company that has developed more than 9,000 MW of utility-scale wind, solar, and natural gas-fueled power generation and energy storage facilities in the United States, Canada, and Europe. This includes seven natural gas-fueled power generation projects in operation and construction, with a total capacity of more than 3,100 MW.

The Clear River Energy Center will propose connecting to the New England ISO. Currently, the project's permit applications are being prepared for submittal to the Rhode Island Department of Environmental Management, the state's Energy Facility Siting Board, and the Town of Burrillville.

Invenergy currently is reviewing potential offtake opportunities for the project.

About Invenergy

Invenergy and its affiliated companies develop, own and operate large-scale renewable generation and clean energy storage facilities in North America and Europe. Invenergy is North America's largest independent wind power generation company, with its home office in Chicago and regional development offices in the United States, Canada, Europe, Japan, and Mexico. For more information, please visit www.invenergyllc.com.

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Contact:

Alissa Krinsky, Director of Communications
Invenergy
312-582-1554
akrinsky@invenergyllc.com

Quick Facts: The Clear River Energy Center

What is the Clear River Energy Center?

Invenergy is proposing to invest about \$700 million in building the Clear River Energy Center natural gas-fired power plant on 20 acres in the Town of Burrillville. Using the industry's most advanced technology, the Clear River Energy Center will be among the cleanest and most efficient power plants in the country and, when fully built, could generate roughly 900 megawatts of energy for the region. Construction could start in 2017, with the plant up and running by 2019.

Local project benefits will include:

Tax Revenue: This project will contribute millions of dollars annually in property tax revenue for the Town of Burrillville and the Pascoag Fire District. It will be one of Burrillville's **largest taxpayers**.

Good local jobs: The Clear River Energy Center will hire more than **300 local** construction workers – primarily members from Rhode Island's local labor unions – to build the facility. And we'll create **25 new, permanent, well-paid jobs** once the facility is operational.

Why do we need a new power plant in Rhode Island?

New England faces a looming energy shortfall – 4,200 megawatts will be coming off the grid by 2019, and a total of 10,000 MW in the next decade. Renewable energy alone can't fill that gap. We need a diversified energy mix, and it's clear natural gas must play a role in that energy portfolio.

The region's independent electric grid managers are planning for just that mix to meet our energy demand: Grid operator ISO-New England selected a variety of energy sources in their latest auction for future energy generation – including energy generation from the Clear River Energy Center.

What will this project mean for my electric bill?

The Clear River Energy Center will bring down energy and capacity prices, which will lead to lower electricity rates in Rhode Island – more than **\$230 million in Rhode Island ratepayer savings** in just the first four years of operations.

How was this site chosen?

The location of our proposed site, off Wallum Lake Road, is zoned for power generation and is close to a major gas pipeline and electrical lines. The site is well buffered by woods and more than 1,800 feet from the nearest residence. Taken together, these factors make this a potentially good fit for a power plant.

How will this impact Burrillville's water supply?

This project will have a **positive impact** on the local water supply.

The Pascoag Utility District will supply all the water we need from a well that has been unusable since a gasoline leak contaminated it back in 2001. The energy center will pay to reactivate the well, clean it up with a new treatment system, and install a separate, dedicated supply line from the well to the Clear River Energy Center. We'll be the only user of that well and our use will clean

up the existing groundwater contamination. Our wastewater will go directly to the town's treatment plant, just like any other property.

What will this project mean for air quality and Rhode Island's climate goals?

The Clear River Energy Center will be among the cleanest natural gas plants in the country – running much more efficiently than New England and New York's existing power plants. By displacing those older, less efficient power plants, we'll reduce carbon emissions in the region by more than one million tons each year.

The Resilient Rhode Island Act establishes economy-wide emissions goals for Rhode Island. Rhode Island is a small state geographically and interconnected to the New England electric grid. To meet the goals of the Act, reductions must be viewed on a regional basis. This approach is consistent with the Act, which obligates the Climate Change Coordinating Council to "work with other New England states to explore areas of mutual interest to achieve common goals," recognizing the regional nature of greenhouse gas emissions reductions.

What will be the visual and sound impacts?

The project is set back from the nearest residence by more than 1,800 feet and surrounded by wooded buffer, so there will be little to no visible impact. Combined-cycle plants like this one do not emit any odor. Normal operation of the project will meet Town noise limits (the ambient noise level in the neighborhood is currently above that limit).

What about truck traffic?

The Clear River Energy Center will collaborate closely with town officials on our work plan to minimize disruptions during construction, and we'll do that work only during daytime hours. A gas plant like this one requires little truck traffic during operation – much less traffic than the Ocean State Power facility.

What will this project mean for property values?

We do not anticipate any negative impacts to property values in town. Our infusion of tax revenue will strengthen the Town's tax base – and that could actually improve residential property values. As a further protection, we plan to offer a property value protection plan to direct abutters within half a mile of the plant itself.

What's the Town's role in this?

We need permits from a number of state agencies – including the Rhode Island Energy Facilities Siting Board and the Rhode Island Department of Environmental Management – to build our project. The Town of Burrillville is tasked with providing the energy siting board with an advisory opinion.

Learn more:

www.clearriverenergycenter.com

Twitter: @ClearRiverEC

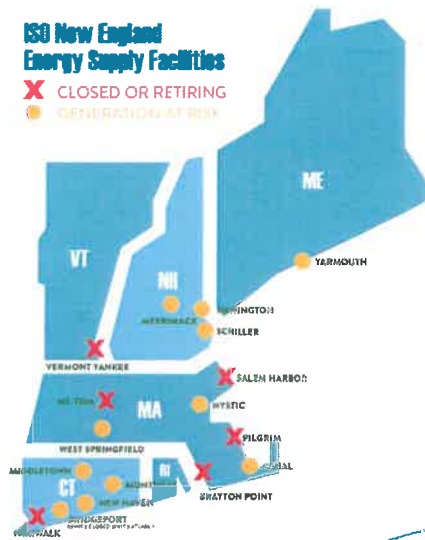
Facebook: <https://www.facebook.com/pages/Clear-River-Energy-Center/>

THE NEED FOR THE CLEAR RIVER ENERGY CENTER

WE NEED TO ADD AFFORDABLE ENERGY RESOURCES TO MEET NEW ENGLAND'S GROWING NEED.

ISO New England Energy Supply Facilities

X CLOSED OR RETIRING
● OFFLINE RATE/PLANT WORK

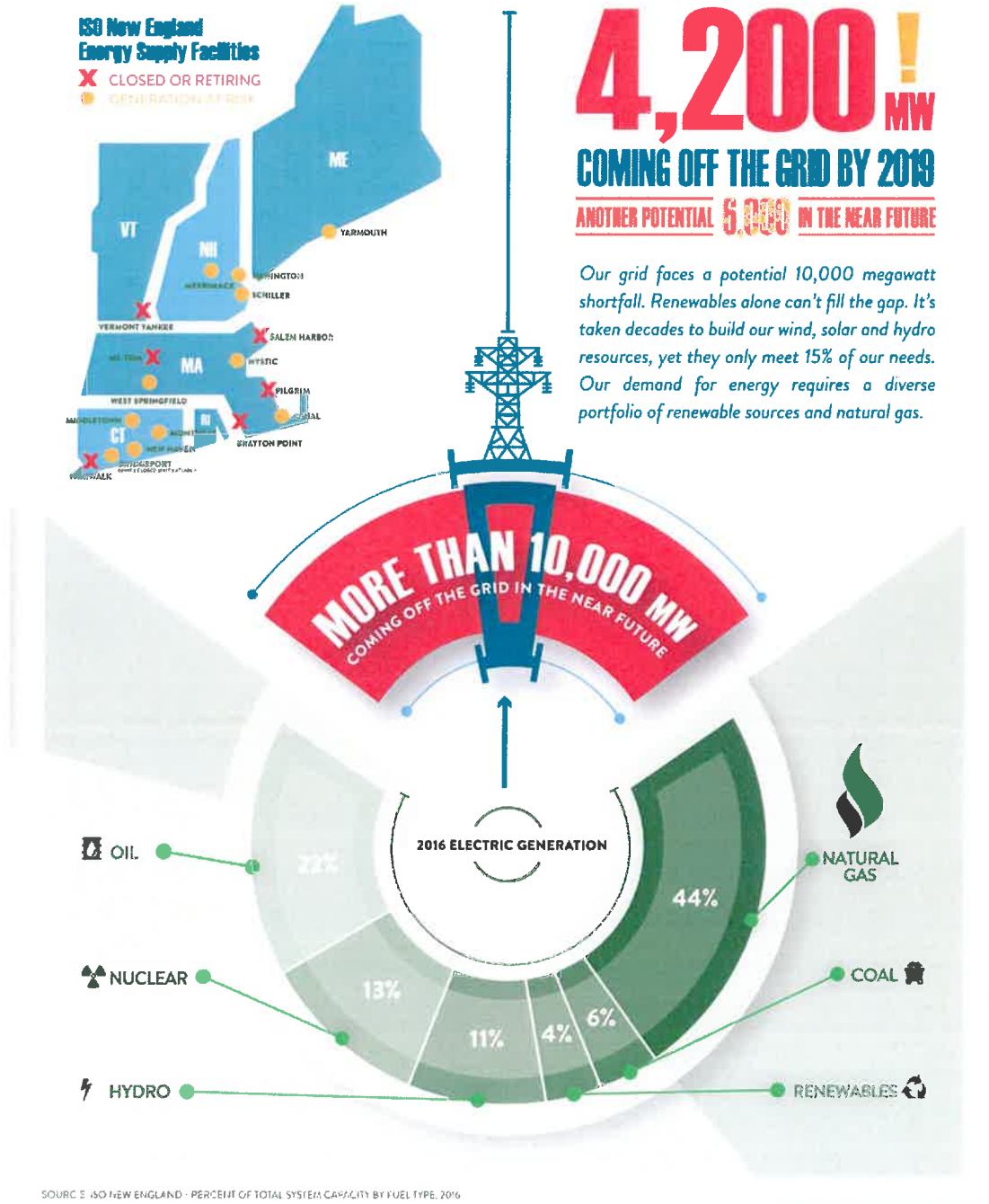


4,200! MW

COMING OFF THE GRID BY 2019

ANOTHER POTENTIAL **6,000** IN THE NEAR FUTURE

Our grid faces a potential 10,000 megawatt shortfall. Renewables alone can't fill the gap. It's taken decades to build our wind, solar and hydro resources, yet they only meet 15% of our needs. Our demand for energy requires a diverse portfolio of renewable sources and natural gas.



SOURCE: ISO NEW ENGLAND - PERCENT OF TOTAL SYSTEM CAPACITY BY FUEL TYPE, 2016

PO Box 225
Harrisville, RI 02830

THE BENEFITS OF CLEAR RIVER ENERGY CENTER

Good Jobs for Local Workers

During Construction: More than 300 well-paying jobs for laborers, construction workers, and craftsmen.

Upon Completion: More than two dozen highly skilled workers for permanent, high-paying positions.

Better for the Environment

Replacing Older Plants: New England currently relies in part on old coal and oil plants to keep up with the region's energy demand. By adding more than 900 megawatts of high-efficiency, low-emissions energy to the grid, the Clear River Energy Center will displace older, less efficient and more polluting plants — helping to modernize the region's generating fleet and reduce New England's carbon emissions by hundreds of thousands of tons each year.

The Clear River Energy Center will use state-of-the-art emissions control technologies, making the facility among the cleanest natural gas plants in the country.

For its water needs, the project will pay to remediate a contaminated well in the Pascoag Utility District — cleaning up an existing environmental concern and avoiding any additional stress on existing resources.

An Economic Engine for Burrillville

This project is a \$700 million investment by Invenenergy, immediately making the Clear River Energy Center one of Burrillville's largest businesses. The facility will contribute millions of dollars in tax revenue over the life of project.

Invenenergy will become Burrillville's largest taxpayer. This money can be used for town services and infrastructure.

A New England Leader: The Clear River Energy Center will put Rhode Island at the center of the region's advanced energy industry.

Facilitating Renewable Options: This plant will help facilitate the integration of more renewables into New England's grid by providing readily available power when the sun doesn't shine and the wind doesn't blow.



For more information, please visit us at

www.clearriverenergycenter.com

f /clearriverenergycenter

t @clearriverec

HELLO. WE'RE Invenergy.

In the coming months, you'll likely hear a great deal about our company and our proposal to bring a new power-generation project to Burrillville. So we wanted to take the opportunity to properly introduce ourselves.

Invenergy is an international energy leader that owns, develops and operates power-generation projects across the country and around the world. With extensive experience in renewables like wind and solar -- as well as energy storage and natural gas -- we have a proven track record as a clean, efficient and environmentally responsible company.

Jobs. Local tax revenue. Clean, homegrown energy.

www.clearriverenergycenter.com

One of our latest endeavors is a state-of-the-art natural gas plant proposed right here in Burrillville -- located on Wallum Lake Road in a rural section of the town.

It's called the:



PO Box 225
Harrisville, RI 02830

“The construction of this clean energy generation facility will create hundreds of jobs while delivering more affordable and reliable energy to our businesses and homes. We are tackling our regional energy challenges, committing to cleaner energy systems in the long-term, and putting Rhode Islanders back to work.”

– Governor Gina M. Raimondo.

WHY?

CLEAR RIVER ENERGY CENTER

Addressing New England's Energy Needs

As aging, coal and nuclear plants are retiring in the region, New England's electric grid is facing a potential of more than 6,000-megawatt shortfall. The Clear River Energy Center will help address this issue by adding more than 900 megawatts of highly efficient, locally produced power to the grid – without constraining natural gas supplies.

An Economic Engine

A New England Leader: The Clear River Energy Center will put Rhode Island at the center of the region's clean energy industry.

Local Economic Boost: This project is a \$700 million investment by Invenergy, immediately making the Clear River Energy Center one of Burrillville's largest businesses. The facility will contribute tens of millions of dollars in tax revenue over the life of project.

Facilitating Renewable Options: This plant will help facilitate the integration of more renewables into New England's grid by providing readily available power when the sun doesn't shine and the wind doesn't blow.

Good Jobs for Local Workers

During Construction: More than 300 well-paying jobs for laborers, construction workers, and craftsmen.

Upon Completion: More than two dozen highly-skilled workers for permanent, high-paying positions.

Better for the Environment

Replacing Older Plants: New England currently relies in part on old coal and oil plants to keep up with the region's energy demand. By adding more than 900 megawatts of high-efficiency, low-emissions energy to the local grid, Clear River Energy Center will help modernize the region's generating fleet, replace older, less efficient, and more polluting plants, and reduce New England's carbon emissions by hundreds of thousands of tons each year.

The Clear River Energy Center will use state-of-the-art emissions control technologies, making the facility among the cleanest natural gas plants in the country.

For its water needs, the project will pay to remediate a contaminated well in the Pascoag Utility District – cleaning up an existing environmental concern and avoiding any additional stress on existing resources.

PROVIDENCE
Journal
“A good proposal”
Aug. 18, 2015



For more information, please visit us at

www.clearriverenergycenter.com

f /clearriverenergycenter

t @clearriverec

YOU'RE INVITED:

AN Invenergy OPEN HOUSE

DECEMBER 1st, 2015 • 7 - 9 P.M.

BURRILLVILLE MIDDLE SCHOOL CAFETERIA
2220 BRONCO HIGHWAY, HARRISVILLE



CLEAR RIVER
ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

PLEASE JOIN US.

Invenergy staff and other experts will be on-hand to provide more information and answer your questions about the proposed Clear River Energy Center. Refreshments will be served.

To learn more, please visit us at

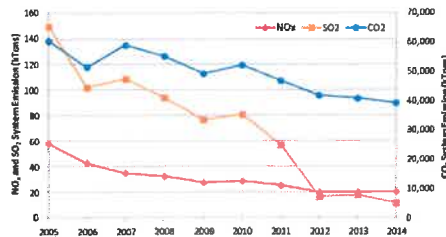
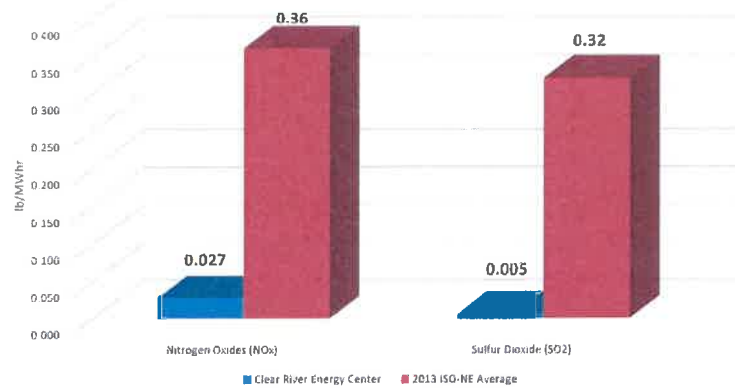
www.clearriverenergycenter.com

 /clearriverenergycenter

 @clearriverec

ADDITIONAL EMISSIONS REDUCTIONS FOR NEW ENGLAND

Clear River Energy Center Emissions vs. 2013 ISO-NE Average



Average CO2 Emission Rate (lb/MWhr) from Energy Generation



LOWERING ANNUAL EMISSIONS EACH YEAR:

- CARBON DIOXIDE (CO2): BY 1,019,000 TONS
- NITROGEN OXIDES (NOX): BY 2,240 TONS
- SULPHUR OXIDES (SOX): BY 2,762 TONS.

(* AVERAGE ANNUAL REDUCTION BETWEEN 2019 AND 2025)

(* FIGURES REPRESENT EMISSIONS REDUCTIONS AT CLEAR RIVER ENERGY CENTER'S FULL BUILD)

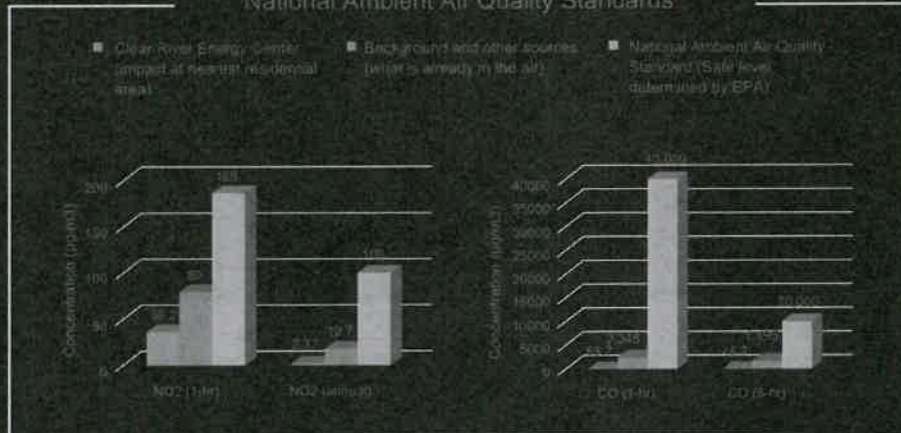
AIR QUALITY

- WE'LL REDUCE EMISSIONS BY REPLACING OLDER, MORE POLLUTING PLANTS REMOVING MORE THAN A HALF MILLION TONS OF CARBON DIOXIDE PER UNIT FROM THE AIR EVERY YEAR.
- RIGOROUS AIR PERMIT PROCESS ENSURES AIR QUALITY WILL BE PROTECTED.



"Plant in Burrillville would cut regional carbon dioxide emissions by more than previously forecast." Nov. 13, 2015

National Ambient Air Quality Standards



PROVIDENCE Journal



Artist's rendering of proposed Invenergy power plant in Burrillville.

EDITORIAL: A GOOD PROPOSAL

Posted Aug. 18, 2015 at 2:01 AM

The public's reaction to a proposed gas-fired power plant that Chicago-based Invenergy wants to build in Burrillville ranges from enthusiastic support to no-holds-barred opposition — so strong that two people were willing to chain themselves to a fence and be arrested last week.

Of course, there are many concerns with such a project. Most notably, the plant would further the region's dependence on natural gas, a fossil fuel that sends carbon emissions into the atmosphere.

But there appear to be many positives to this proposal, and they outweigh the negatives.

Backers say the proposed \$700 million, 900-megawatt plant, serving New England, would reduce our electricity costs, provide some 300 construction jobs during a 30-month build-out, and produce 75 permanent, full-time jobs. They also say the plant, using the latest technology, would be so efficient that it would probably displace older plants that produce more carbon emissions. In other words, the plant would actually reduce carbon emissions in the New England region.

Gov. Gina Raimondo noted this as the varied support for the project, saying, "the only silver lining to climate change, if there is one, is if we take action to get ahead of it." This project would do that, she said, by helping Rhode Island move "forward with cleaner sources of energy" while also creating jobs.

While some have asked how Invenergy would get all the natural gas it would need for the plant to produce electricity, the company says it would take the unusual move of signing a contract to lock in capacity. It appears that this, in turn, would commit the company to paying for much-needed expansions to part of the pipeline that supplies natural gas to the region.

All in all, there's a lot to like with this proposal. We have long supported the development of alternative sources of electricity, notably wind and solar power, but the technology and capacity do not yet exist to fully replace the far cheaper natural gas that produces half the region's electricity. The new gas-fired plant, if built, would merely acknowledge that reality, while reducing emissions and helping ratepayers and our local economy in the process.

EDITORIAL: A WIN-WIN

Posted Jan. 22, 2016 at 2:01 AM

As last week's meeting of the Energy Facility Siting Board made clear, there is no shortage of people who want their say on the plan to build a \$700 million power plant in the town of Burrillville.

Some people, such as leaders of the 9,000-strong Rhode Island Building and Construction Trades Council, support the plan and point to jobs and lower electric rates as among the benefits. Others, such as the Conservation Law Foundation, are raising concerns about the plan or oppose it because it would perpetuate the region's dependence on a fossil fuel and the carbon emissions that come with it.

None of this comes as a surprise. At 900 megawatts, the gas-fired plant would be the largest source of electricity in Rhode Island and one of the largest in New England. And yes, it certainly would make it easier for the region to depend on natural gas as a source of electricity. But the question of *if* is must ask is this: Is there a better alternative? The answer is no. We have long supported the development of alternative sources of electricity, including solar and wind power. But until the technology and capacity exist to replace less costly and more reliable natural gas, it makes no sense to say no to natural gas.

Invenergy, the Chicago-based company that wants to build the plant, points out that the new facility would be more efficient than existing plants in the region and would probably replace some of them — thus reducing the region's carbon emissions.

And then, of course, there are the economic benefits. Natural gas prices, which spiked during recent winters because of increased demand and limited capacity in the pipelines feeding the region, would be cheaper with the new plant — in part because Invenergy has agreed to help pay for the expansion of the line that would feed the plant. There would also be some 300 construction jobs for the 30 months that the plant is being built and 25 full-time jobs once it is finished.

Overall, there is much to like about this proposal. That is why Gov. Gina Raimondo and other pragmatic leaders of government and business are supporting it.

Those raising concerns are correct in the sense that, long term, burning fossil fuel is not the direction we want to be going in. But for the immediate future, this plant is a step in the right direction — both from an environmental standpoint, and an economic one.

ENVIRONMENTAL BENEFITS, MONEY FOR THE TOWN & NEW LOCAL JOBS



- 300 CONSTRUCTION JOBS RIGHT HERE IN BURRILLVILLE
- STAFF OF 25 WORKERS TO RUN THE PLANT
- ONE OF BURRILLVILLE'S LARGEST TAXPAYERS
- LITTLE IMPACT ON TOWN SERVICES
- LOWERING ELECTRIC RATES - MILLIONS IN ANNUAL SAVINGS FOR RHODE ISLAND RATEPAYERS
- RESTORING AN UNUSABLE WELL AT THE PASCOAG UTILITY DISTRICT -- WITHOUT PUTTING A STRAIN ON WATER SUPPLIES
- ONE OF THE CLEANEST NATURAL GAS PLANTS IN THE COUNTRY
- REDUCING EMISSIONS BY REPLACING AGING COAL AND OIL PLANTS



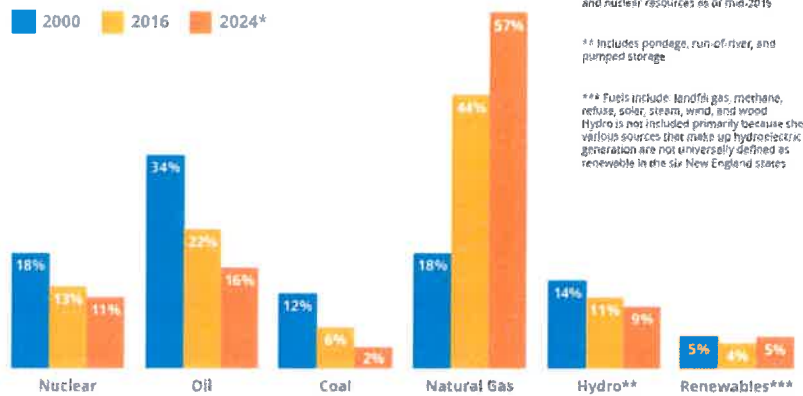
- MILLIONS OF DOLLARS IN NEW REVENUE FOR BURRILLVILLE
- HUNDREDS OF NEW JOBS FOR LOCAL WORKERS
- CLEAN, HOMEGROWN ENERGY FOR RHODE ISLAND
- REDUCING EMISSIONS BY REPLACING OLDER, LESS-EFFICIENT, MORE-POLLUTING PLANTS
- UP TO A \$700 MILLION INVESTMENT BY INVENERGY
- NEW ENGLAND'S MOST EFFICIENT POWER PLANT
- FIRST PHASE IN OPERATION BY 2019

REDUCING EMISSIONS

NATURAL GAS-POWERED OUTPUT IN NEW ENGLAND HAS INCREASED 144% SINCE 2000, DISPLACING OLDER, HIGH-POLLUTING, INEFFICIENT COAL AND OIL ENERGY SOURCES.

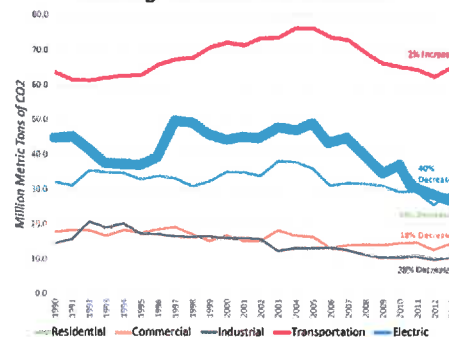
Percent of Total System Capacity by Fuel Type

■ 2000 ■ 2016 ■ 2024*



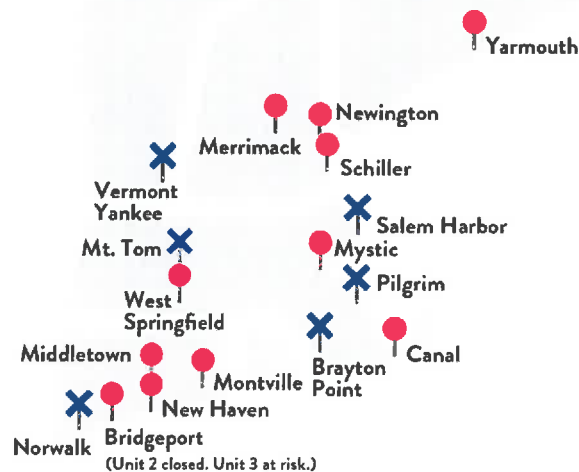
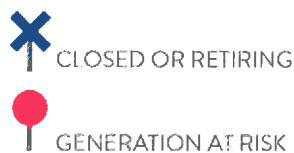
THE RISE OF CLEANER, MORE EFFICIENT NATURAL GAS HAS LED TO REDUCTIONS IN CO2 EMISSIONS ACROSS THE REGION, MOST SIGNIFICANTLY IN THE ELECTRIC SECTOR.

New England Sector CO2 Emissions



THE NEED

- RHODE ISLAND HAS THE SEVENTH-HIGHEST ELECTRIC RATES IN THE NATION.
- NEW ENGLAND'S GRID IS FACING A POTENTIAL 10,000-MEGAWATT SHORTFALL IN THE COMING YEARS. WE NEED TO ADD NEW, AFFORDABLE ENERGY RESOURCES TO FILL THAT GAP.



4,200! MW

COMING OFF THE GRID BY 2019

ANOTHER POTENTIAL 6,000 IN THE NEAR FUTURE

**ISO New England
Energy Supply Facilities**

X CLOSED OR RETIRING
● GENERATION AT RISK



**CLEAR RIVER
ENERGY CENTER**

POTENTIALLY 1000 MW BY 2020

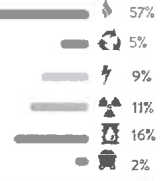
BRIDGE THE GAP WITH NATURAL GAS

NEW ENGLAND'S GRID IS FACING A POTENTIAL 10,000 MEGAWATT SHORTFALL IN THE COMING YEARS. WE NEED TO ADD NEW, AFFORDABLE ENERGY RESOURCES TO FILL THAT GAP.

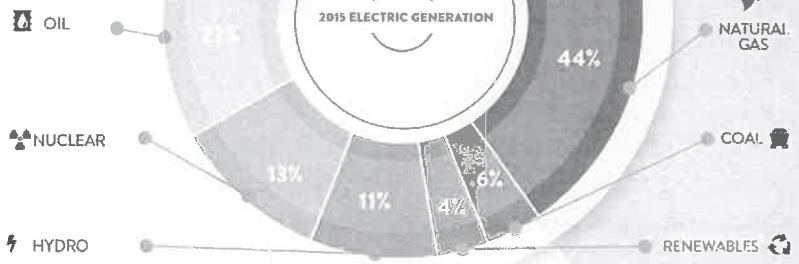
RENEWABLES ALONE CANNOT FILL THE GAP IN TIME. IT HAS TAKEN DECADES TO BUILD THE WIND, SOLAR, AND HYDRO NEW ENGLAND HAS TODAY. AND THOSE RESOURCES MEET LESS THAN 15% OF OUR DEMAND.

NEW ENGLAND'S DEMAND FOR ENERGY WILL BE MET WITH A PORTFOLIO OF RENEWABLE SOURCES AND NATURAL GAS.

POTENTIAL ELECTRIC GENERATION BEYOND 2024



**MORE THAN 10,000 MW
COMING OFF THE GRID IN THE NEAR FUTURE**



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CLEAR RIVER

ENERGY CENTER

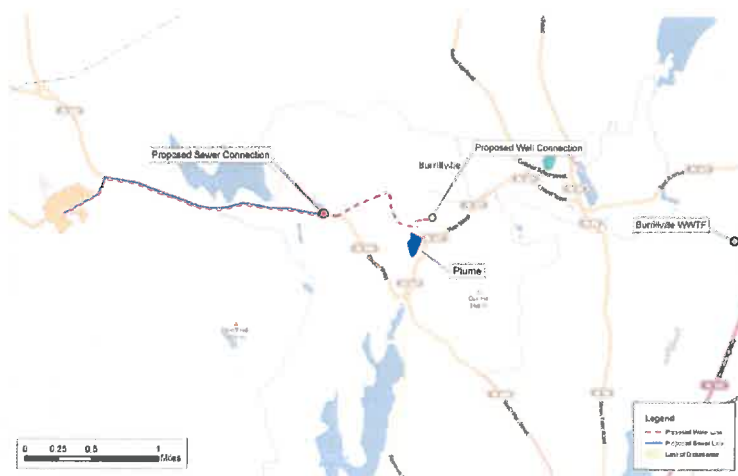
BURRILLVILLE, RHODE ISLAND

THE PROJECT WILL PAY FOR THE INSTALLATION OF A TREATMENT SYSTEM AND DEDICATED PIPELINE:

- WILL CLEAN UP THE CONTAMINATED GROUNDWATER
- REACTIVATE AN UNUSABLE PASCOAG UTILITY DISTRICT WELL
- CREATE NEW REVENUE FOR THE DISTRICT WITHOUT PUTTING A STRAIN ON WATER SUPPLIES

A RIGOROUS WATER REVIEW PROCESS ENSURES WATER QUALITY WILL BE PROTECTED AND ULTIMATELY IMPROVED.

WASTEWATER IS PLANNED TO BE SENT TO THE TOWN'S TREATMENT PLANT.





CLEAR RIVER
ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

Invenenergy

OPEN
HOUSE

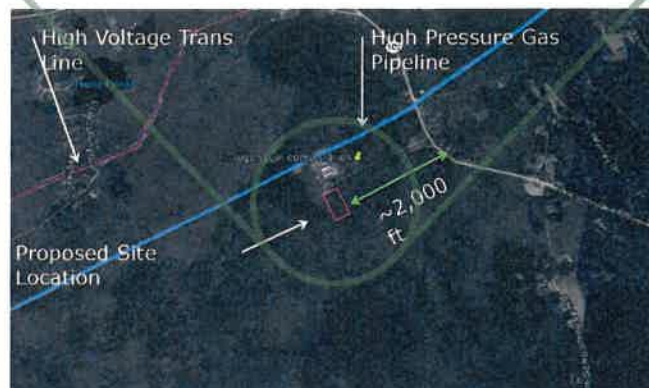
WELCOME.



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BURRILLVILLE, RHODE ISLAND



PROVIDENCE Journal

Invenergy: Plant in Burrillville would cut regional carbon dioxide emissions by more than previously forecast.

By Alex Kuffner
Journal Staff Writer

Posted Nov. 13, 2015 at 6:52 AM

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The Chicago-based energy developer has argued that because its super-efficient combined-cycle plant would sell power at a lower price than competing generators, it would replace the output of older, more polluting facilities that burn oil, gas or coal, effectively forcing them to shut down.

According to figures the company released in August, if the 900-megawatt Clear River Energy Center were to go on line immediately, the reduction in carbon dioxide emissions across New England would be 9 percent. If the project starts generating power in 2019 as scheduled, the effect wouldn't be as dramatic because some of the biggest polluters, such as Somerset's coal-fired Brayton Point Power Station, would already be closed, but the overall decrease would still be about 1 percent.

Now, in a filing made with the Rhode Island Energy Facility Siting Board, Invenergy claims the decrease could actually be larger because of the recently announced closing of the Pilgrim Nuclear Power Station in Plymouth, Mass.

The company says that, without the Burrillville project, when Pilgrim closes in 2019 the 690-megawatt nuclear plant - which produces no greenhouse gases - would need to be replaced by dirtier generators that would boost regional emissions. So when the Burrillville facility comes into operation, it would effectively displace a greater number of more polluting power plants that would otherwise be needed, according to Invenergy's argument.

The company did not provide figures to back up the claim on Pilgrim in the filings, which were submitted to the board on Oct. 29, and has yet to respond to a request from The Journal to provide more details.

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They say that Invenergy has failed to take into consideration the harmful effects of methane leaks when natural gas is extracted using hydraulic fracturing and when it's delivered through pipelines from shale fields in Pennsylvania and beyond. Methane is a much more potent greenhouse gas than carbon dioxide.

"Invenergy's reasoning flies in the face of common sense and basic physics," said Fossil Free Rhode Island member Peter Nightingale, a physics professor at the University of Rhode Island. "The Burrillville power plant will be fired by fracked gas, which has a full life-cycle greenhouse gas footprint larger than the coal, oil, and nuclear power it will replace."

Some Burrillville residents also oppose the proposal because it would add another large industrial use to the largely rural community. The town is already home to a smaller natural gas-fired power plant and a gas compressor station connected to a regional pipeline.

The power plant, which could have a capacity of up to 1,000 megawatts, would be among the largest in New England. Invenergy says it's necessary because of the retirements of a host of old generators in coming years. Gov. Raimondo has backed the plan as have construction unions in the state.

The filing by Invenergy with the siting board, which totals hundreds of pages, fleshes out the company's proposed \$700-million project.

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But there appear to be many positives to this proposal, and they outweigh the negatives.

Backers say the proposed \$700 million, 900-megawatt plant, serving New England, would reduce our electricity costs, provide some 300 construction jobs during a 30-month build-out, and produce 25 permanent, full-time jobs. They also say the plant, using the latest technology, would be so efficient that it would probably displace older plants that produce more carbon emissions. In other words, the plant would actually reduce carbon emissions in the New England region.

Gov. Gina Raimondo noted this as she voiced support for the project, saying “the only silver lining to climate change, if there is one, is if we take action to get ahead of it.” This project would do that, she said, by helping Rhode Island move “forward with cleaner sources of energy” while also creating jobs.

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All in all, there's a lot to like with this proposal. We have long supported the development of alternative sources of electricity, notably wind and solar power, but the technology and capacity do not yet exist to fully replace the far cheaper natural gas that produces half the region's electricity. The new gas-fired plant, if built, would merely acknowledge that reality, while reducing emissions and helping ratepayers and our local economy in the process.



CLEAR RIVER

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BURRILLVILLE, RHODE ISLAND

MILLIONS OF DOLLARS IN NEW
REVENUE FOR BURRILLVILLE

HUNDREDS OF NEW JOBS
FOR LOCAL WORKERS

CLEAN, HOMEGROWN
ENERGY FOR RHODE ISLAND

REDUCING EMISSIONS BY
REPLACING AGING COAL PLANTS

\$700 MILLION INVESTMENT
BY INVENERGY

NEW ENGLAND'S MOST EFFICIENT
POWER PLANT

IN OPERATION BY 2019

The Need

RHODE ISLAND HAS THE SEVENTH-HIGHEST ELECTRIC RATES IN THE NATION.

NEW ENGLAND'S GRID IS FACING A POTENTIAL 6,000-MEGAWATT SHORTFALL IN THE COMING YEARS. WE NEED TO ADD NEW, AFFORDABLE ENERGY RESOURCES TO FILL THAT GAP.

✕ Closed or retiring

● Generation at risk



Environmental Benefits, Money for the Town & New Local Jobs



- 300 CONSTRUCTION JOBS RIGHT HERE IN BURRILLVILLE
- STAFF OF 25 WORKERS TO RUN THE PLANT
- ONE OF BURRILLVILLE'S LARGEST TAXPAYERS
- LITTLE IMPACT ON TOWN SERVICES
- LOWERING ELECTRIC RATES - \$70 MILLION IN ANNUAL SAVINGS FOR RHODE ISLAND RATEPAYERS
- RESTORING AN UNUSABLE WELL AT THE PASCOAG UTILITY DISTRICT – WITHOUT PUTTING A STRAIN ON WATER SUPPLIES
- ONE OF THE CLEANEST NATURAL GAS PLANTS IN THE COUNTRY
- REDUCING EMISSIONS BY REPLACING AGING COAL PLANTS



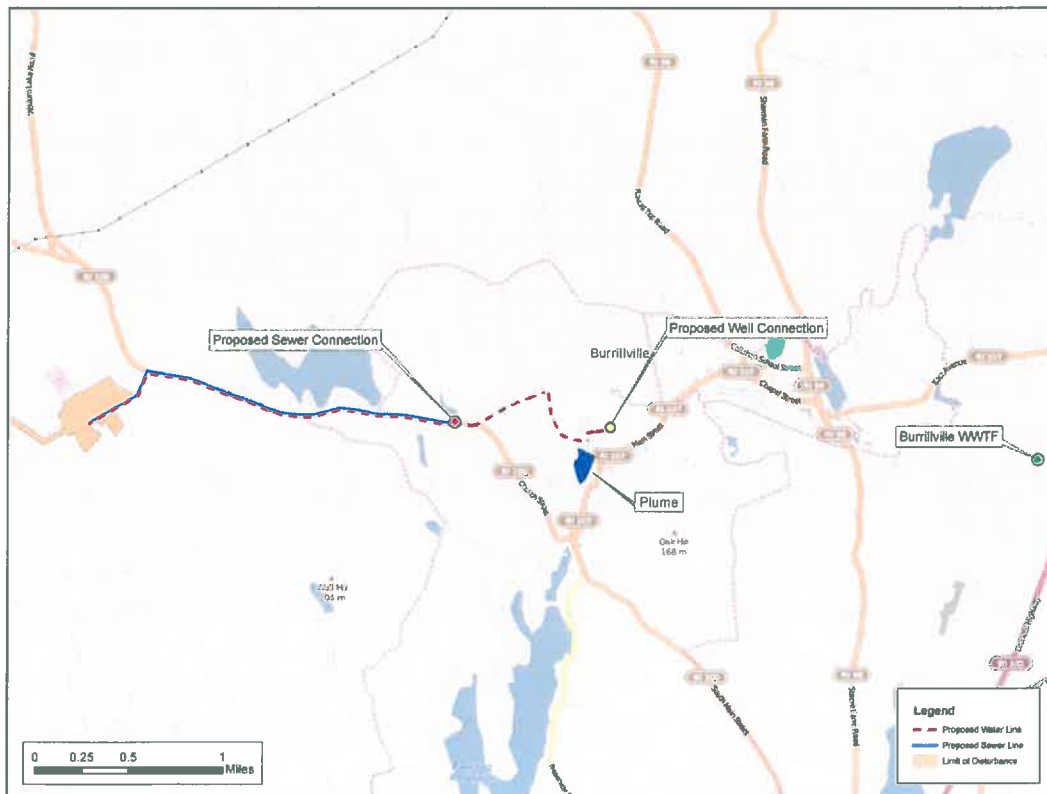
CLEAR RIVER

ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

WE'LL USE WATER FROM A CURRENTLY
CONTAMINATED WELL AT PASCOAG
UTILITY DISTRICT – BRINGING IN NEW
REVENUE FOR THE DISTRICT, BUT NOT
PUTTING A STRAIN ON WATER SUPPLIES.

**ALL WASTEWATER GOES TO THE
TOWN'S TREATMENT PLANT.**



Air Quality

WE'LL REDUCE EMISSIONS BY REPLACING OLDER, MORE POLLUTING PLANTS - REMOVING MORE THAN A MILLION TONS OF CARBON DIOXIDE FROM THE AIR EVERY YEAR.

THAT'S EQUIVALENT TO TAKING 160,000 CARS OFF THE ROAD.

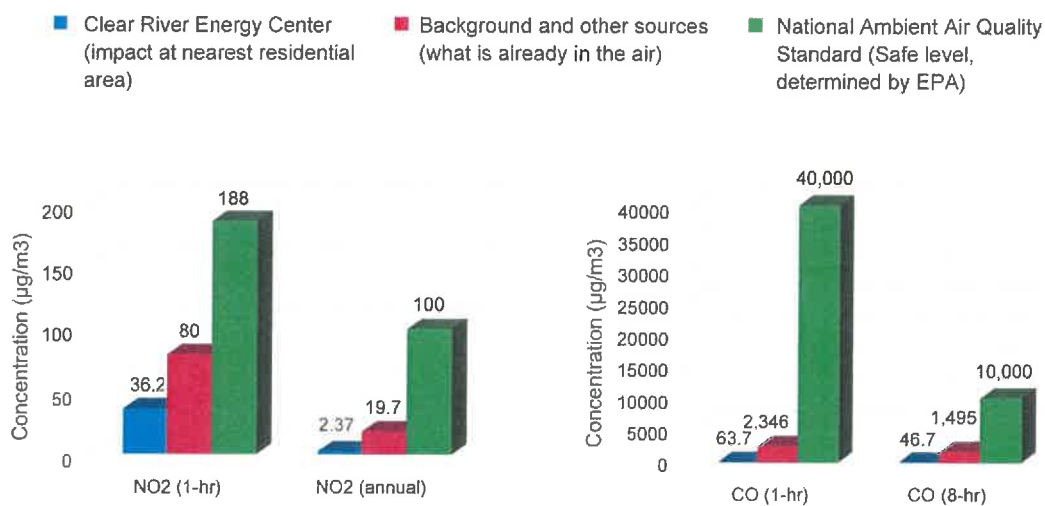
RIGOROUS AIR PERMIT PROCESS ENSURES AIR QUALITY WILL BE PROTECTED.

PROVIDENCE
Journal

"Plant in Burrillville would cut regional carbon dioxide emissions by more than previously forecast."

Nov. 13, 2015

National Ambient Air Quality Standards



Concentration ($\mu\text{g}/\text{m}^3$)

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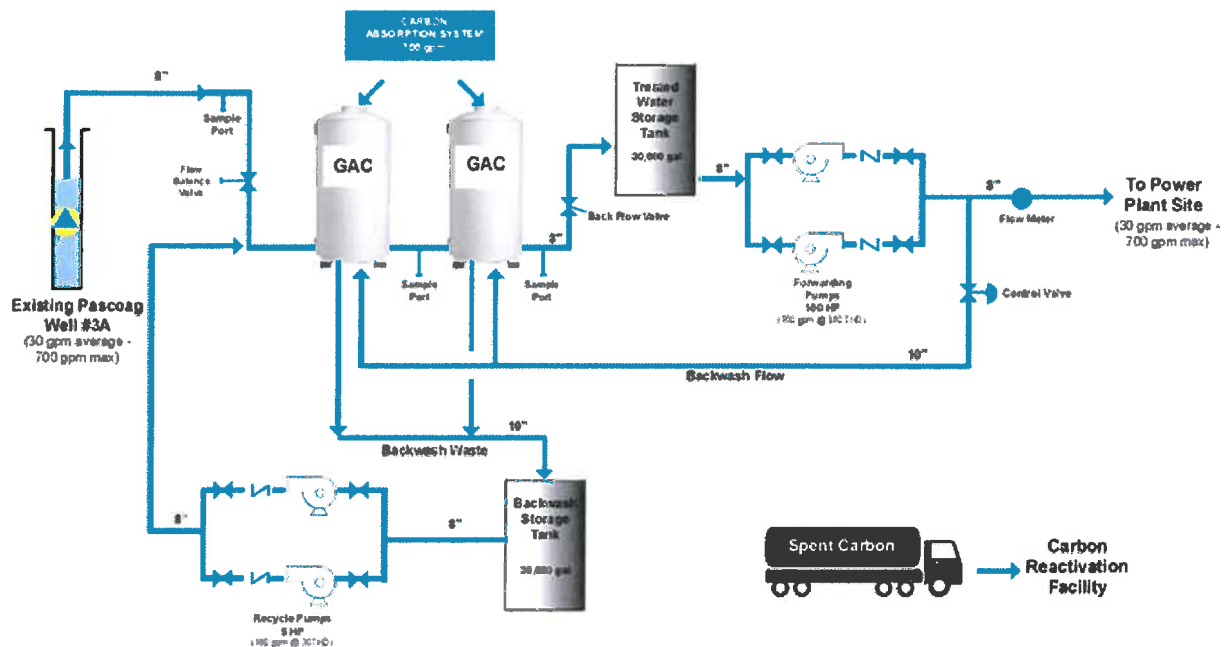
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How We'll Treat The Water



CLEAR RIVER
ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

YOU'RE INVITED:

AN Invenergy OPEN HOUSE

DECEMBER 1st,
2015 • 7-9 P.M.

BURRILLVILLE MIDDLE SCHOOL CAFETERIA
2220 BRONCO HIGHWAY, HARRISVILLE



CLEAR RIVER
ENERGY CENTER

BURRILLVILLE, RHODE ISLAND

PLEASE JOIN US.

Invenergy staff and other experts will be on-hand to provide more information and answer your questions about the proposed Clear River Energy Center. Refreshments will be served.

To learn more, please visit us at

www.clearriverenergycenter.com

 /clearriverenergycenter


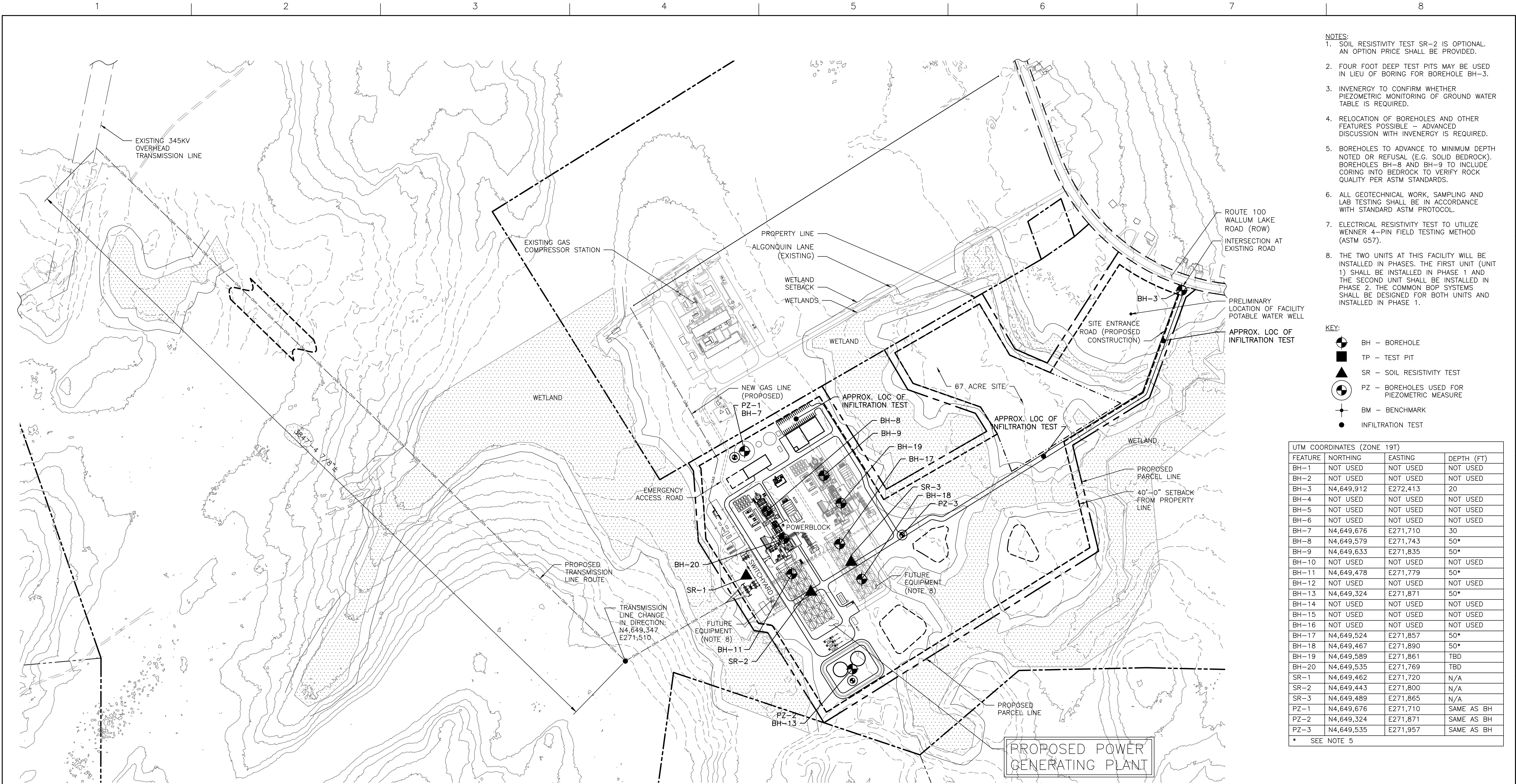
 @clearriverec

EXHIBIT 2



- NOTES:
1. SOIL RESISTIVITY TEST SR-2 IS OPTIONAL. AN OPTION PRICE SHALL BE PROVIDED.
 2. FOUR FOOT DEEP TEST PITS MAY BE USED IN LIEU OF BORING FOR BOREHOLE BH-3.
 3. INVENERGY TO CONFIRM WHETHER PIEZOMETRIC MONITORING OF GROUND WATER TABLE IS REQUIRED.
 4. RELOCATION OF BOREHOLES AND OTHER FEATURES POSSIBLE – ADVANCED DISCUSSION WITH INVENERGY IS REQUIRED.
 5. BOREHOLES TO ADVANCE TO MINIMUM DEPTH NOTED OR REFUSAL (E.G. SOLID BEDROCK). BOREHOLES BH-8 AND BH-9 TO INCLUDE CORING INTO BEDROCK TO VERIFY ROCK QUALITY PER ASTM STANDARDS.
 6. ALL GEOTECHNICAL WORK, SAMPLING AND LAB TESTING SHALL BE IN ACCORDANCE WITH STANDARD ASTM PROTOCOL.
 7. ELECTRICAL RESISTIVITY TEST TO UTILIZE WENNER 4-PIN FIELD TESTING METHOD (ASTM G57).
 8. THE TWO UNITS AT THIS FACILITY WILL BE INSTALLED IN PHASES. THE FIRST UNIT (UNIT 1) SHALL BE INSTALLED IN PHASE 1 AND THE SECOND UNIT SHALL BE INSTALLED IN PHASE 2. THE COMMON BOP SYSTEMS SHALL BE DESIGNED FOR BOTH UNITS AND INSTALLED IN PHASE 1.

- KEY:
- BH – BOREHOLE
 - TP – TEST PIT
 - SR – SOIL RESISTIVITY TEST
 - PZ – BOREHOLES USED FOR PIEZOMETRIC MEASURE
 - BM – BENCHMARK
 - INFILTRATION TEST

UTM COORDINATES (ZONE 19T)			
FEATURE	NORTHING	EASTING	DEPTH (FT)
BH-1	NOT USED	NOT USED	NOT USED
BH-2	NOT USED	NOT USED	NOT USED
BH-3	N4,649,912	E272,413	20
BH-4	NOT USED	NOT USED	NOT USED
BH-5	NOT USED	NOT USED	NOT USED
BH-6	NOT USED	NOT USED	NOT USED
BH-7	N4,649,676	E271,710	30
BH-8	N4,649,579	E271,743	50*
BH-9	N4,649,633	E271,835	50*
BH-10	NOT USED	NOT USED	NOT USED
BH-11	N4,649,478	E271,779	50*
BH-12	NOT USED	NOT USED	NOT USED
BH-13	N4,649,324	E271,871	50*
BH-14	NOT USED	NOT USED	NOT USED
BH-15	NOT USED	NOT USED	NOT USED
BH-16	NOT USED	NOT USED	NOT USED
BH-17	N4,649,524	E271,857	50*
BH-18	N4,649,467	E271,890	50*
BH-19	N4,649,589	E271,861	TBD
BH-20	N4,649,535	E271,769	TBD
SR-1	N4,649,462	E271,720	N/A
SR-2	N4,649,443	E271,800	N/A
SR-3	N4,649,489	E271,865	N/A
PZ-1	N4,649,676	E271,710	SAME AS BH
PZ-2	N4,649,324	E271,871	SAME AS BH
PZ-3	N4,649,535	E271,957	SAME AS BH
* SEE NOTE 5			



GEOTECHNICAL INVESTIGATION PLAN

SCALE: 1" = 250'-0"

250 0 250 500 750

HDR

HDR Engineering, Inc.

1	07 MAR 16	BID ISSUE (STAGGERED UNIT INSTALLATION)
0	02 NOV 15	M0102 BID ISSUE
ISSUE	DATE	DESCRIPTION

EDC	JPM	—	—
EDC	CJH	—	—
DWN	ENGR	CHK	APPV

PRELIMINARY
NOT FOR
CONSTRUCTION
OR
RECORDING

INVENERGY, LLC
CLEAR RIVER ENERGY CENTER

RHODE ISLAND ENERGY CENTER
GEOTECHNICAL INVESTIGATION DATA

FILENAME	C1003-0GA-238926.dwg
SCALE	AS NOTED

SHEET
238926-0GA-C1003