

DEIS Submitted, Review Begins

Cricket Valley Energy (CVE), a proposed state-of-the-art, combined cycle power plant planned for an inactive industrial site off Route 22 in Dover, New York, has completed the first two steps in the New York State Environmental Quality Review (SEQR) process, and has prepared a Draft Environmental Impact Statement (DEIS) initiating the next step in the process. The formal hearings on the DEIS are expected to be held this spring at the Dover Middle School auditorium. Once scheduled, the exact dates and times will be announced on the CVE, Town of Dover and DEC Websites and published in the Poughkeepsie Journal.

The CVE team will be on-hand to answer questions prior to the hearings in the school lobby, with displays and information about the project. The public will be asked to register to make comments orally during the hearings. Written comments may also be submitted to:

Steven Tomasik, Project Manager
NYSDEC

Division of Environmental Permits
625 Broadway – 4th Floor
Albany, NY 12233-1750

Tel: (518) 486-9955 Fax: (518) 402-9168
Email: smtomasi@gw.dec.state.ny.us

Public Outreach Continues

SEQR is designed to provide a transparent and comprehensive review of the proposed project, and the DEIS hearings are an important opportunity for public review.

“We encourage the community to review the DEIS, visit our Website and our office and attend our Advisory Working Groups,” said Bob De Meyere, CVE Project Manager. “The ideas and comments we have received from our

neighbors in Dover have helped ensure our design features reflect Dover’s priorities and we look forward to continuing our dialogue as we advance the project.”



The DEIS will be available at:

- DEC Region 3 Office,
21 South Putt Corners Road,
New Paltz, NY
- CVE Community Outreach Office,
5 Market Street, Dover Plains, NY
- Town of Dover Town Hall,
126 East Duncan Hill Road,
Dover Plains, NY
- Dover Plains Library,
1797 Route 22, Wingdale, NY

It will be available online at:

- DEC: www.dec.ny.gov/permits/64754.html
- CVE: www.cricketvalley.com
- Town of Dover: www.townofdovernny.us

CVE Addresses Community Priorities

CVE has developed a project plan that mirrors community priorities and addresses issues identified during the Scoping Process. The resulting DEIS, provides specific details, data and study analysis discussing those topics.

“We focused our project development team on protecting the environment, watershed and the rural character of the community,” said De Meyere. That directive has resulted in project features that:

- **Protect the Environment**

Designed to protect natural resources—nearly 100 acres of the 131-acre parcel, including the entire portion west of the railroad tracks, will remain undisturbed. In addition, existing, damaged wetlands will be restored.

- **Protect the Watershed**

Water use is minimized by design—the CVE facility will use 10 gallons per minute (gpm) during cooler months and up to 60 gpm during hotter summer months. A zero-liquid discharge system will ensure no process water is released.

- **Protect the Rural Character of the Community**

Undisturbed forest will remain as a permanent buffer between the project structures and Route 22. Temporary parking areas created for the construction workforce will be restored and re-vegetated with existing plant species.

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A commuting plan for new workers

- **Regional Air Quality**

- **Protecting the Aquifer**

Schedule a Meeting

Contact us to schedule a meeting for your organization or neighborhood group.
Email: info@cricketvalley.com
or call (845) 877-0596.

Cricket Valley Energy's Role in Regional Air Quality

CVE recently completed a Dispatch Analysis—an air quality study to model the regional impacts of the project on air quality. The study demonstrated that once operational CVE will displace the use of older and less efficient fossil-fuel burning power plants, resulting in emissions reductions across the region.

Regional Air Quality Matters in Dover

Dover's air quality is dominated by regional emissions, including energy plants in southern New York, New Jersey and Pennsylvania, which is why it's important to reduce emissions coming from those areas. Operation of the CVE plant would displace older fossil-fuel burning plants in the region, displacing:

- 90 times as much SO₂ (sulfur dioxide) as it emits
- 7 times as much NO_x (nitrogen oxide) as it emits
- 1.2 times as much CO₂ (carbon dioxide) as it emits

The New York Independent System Operator (NYISO) determines the



NYISO determines the order in which power plants are dispatched to meet New York's energy demands.

order electric-generating facilities are turned on to supply New York State's energy needs based on factors that include the cost of producing energy. As the most efficient natural gas-powered facility, CVE will be among the first combined-cycle plants to be dispatched by NYISO, reducing reliance on older, less-efficient, fossil-fuel burning plants that produce emissions that affect the air quality in Dover.



Dover's air quality is dominated by regional emissions. On this map, each blue dot is a currently-operating, older fossil-fuel plant that produces emissions that affect Dover; many plants will be displaced by the operation of CVE's clean-burning natural gas plant.

ISSUES & TOPICS

Each issue, CVE examines a question raised by a local resident. This issue, we consider the effect of adding up to 750 new construction jobs.



How will workers get to and from the site during construction?

The three-year construction project will require workers in a variety of skill areas, from welders, engineers and electricians to carpenters, roofers and heavy equipment operators. CVE wants to ensure a smooth traffic flow for Dover.

Following an extensive traffic study, CVE has developed an innovative solution to preserve mobility and provide workers with site access that includes constructing a temporary parking lot about 2.5 miles north of the construction site, where workers will park and take a CVE shuttle to and from work.

In addition, CVE has proposed hiring a traffic control agent or installing a temporary signal at the intersection of the parking site driveway and Route 22 during peak travel times. CVE will also create temporary turning lanes, to ensure mobility is preserved for those traveling along Route 22.

The land that will be used for the temporary parking lot will be restored at the conclusion of construction.

Local Water Quality Expert Discusses Water Supply

CVE hired Poughkeepsie-based Chazen Companies to evaluate its potential water consumption, and to provide data that are included in the DEIS. We asked Russell Urban-Mead, Senior Hydrogeologist, to explain the Harlem Valley Aquifer relative to Dover's water supply. Urban-Mead authored the 1999 Harlem Valley Aquifer Study, now used by planning boards in the region for sustainable utilization and reasonable protection of the aquifer.

What is the Harlem Valley Aquifer?

The Harlem Valley Aquifer is how we refer to the geologic formations under the Valley that provide natural storage for millions of gallons of high-quality water, and that underlie the Ten Mile River, Webatuck Creek, Swamp River, much of the Great Swamp and their tributaries. The aquifer formation is recharged by precipitation, and water naturally migrates toward the streams and streamside wetlands, supporting stream flows, wildlife and plant habitat as well as a wide range of human uses.

Why study it?

The Study documented the water



storage capacity of this aquifer system and the current competing uses for this water. It enabled sponsoring towns to cooperatively develop an informed plan to protect water quality and preserve and allocate the availability of sufficient groundwater quantity throughout the watershed.

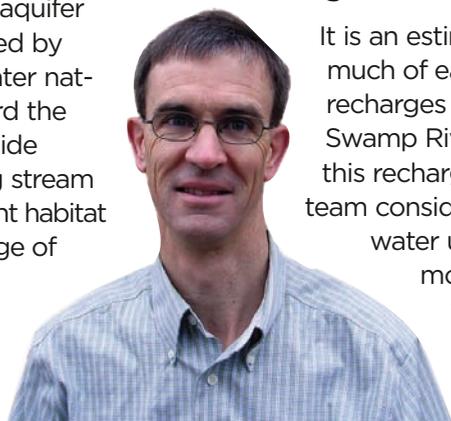
What is the Swamp River Water Budget?

It is an estimated account of how much of each year's precipitation recharges the aquifers under the Swamp River watershed. Using this recharge data, the Study team considered how many new water uses could be accommodated before we would begin to see unacceptable impacts. The Study recommended that

new water uses throughout the Valley should not consume more than 50% of the drought-level flows of the major streams in order to ensure continued flow of these rivers.

How will CVE impact the watershed?

Our evaluation indicates the project will have an extremely small impact on the flow of the Swamp River. The watershed can support CVE's water consumption, with water remaining for other projects, even during conditions that would exist during a 10-year drought. Two things that particularly help CVE have such a small impact on the water budget are its plan to capture roof rainfall during wet seasons for use during drier periods and the selection of energy-production cooling processes that are quite efficient in their water use.



Russell Urban-Mead

Advisory Working Groups Update

To engage the community of Dover and its neighbors in a meaningful dialogue about topics of interest involving CVE, the Advanced Power team has created and hosted discussion forums called Advisory Working Groups (AWG). The AWGs cover specific areas of interest: Air Quality; Water, Wetlands & Wildlife; and Traffic & Safety.

Since the kick-off of the working groups in February 2010, each has met three times, providing a valuable exchange of ideas between the community and the CVE team on everything from low-emission technology to stormwater management and safety. During the

last round of AWG meetings, the Air Quality group discussed new federal air quality standards for sulfur dioxide (SO₂), new requirements for demonstrating compliance with nitrogen dioxide (NO₂) standards, and the project's regional air quality benefits. The Water, Wetlands and Wildlife group focused on the results of CVE's study of the water supply, which demonstrate the project will not have a negative impact on water resources. The Traffic & Safety group discussed the results of the Chemical Safety Board's recommendations related to the accident at Kleen Energy in Middletown, CT.

ADVISORY WORKING GROUP MEETINGS

Traffic & Safety
Thursday, March 10, 2011, 7-8 pm

Water, Wetlands & Wildlife
Thursday, March 24, 2011, 7-8 pm

Air Quality
Thursday, April 7, 2011, 7-8 pm

Where: 5 Market Street
Dover Plains, NY

To register, call (845) 877-0566
or email: info@cricketvalley.com.
Space is limited.

Postal Patron

LEARN MORE

Attend

Upcoming DEIS hearings—dates and times will be posted on the CVE Website.

Visit

Website: www.cricketvalley.com

Community Outreach Office
5 Market Street
Dover Plains, NY 12522
(845) 877-0596

Sign Up

To subscribe to this newsletter and electronic notifications, or to join an Advisory Working Group, please email: info@cricketvalley.com (write “subscribe” in the subject line), call: (845) 877-0596 or visit the project Website: www.cricketvalley.com

