



The fifth set of Advisory Working Groups (AWG) kicked off with the September 15 meeting on Water, Wetlands & Wildlife. Russell Urban-Mead, a senior hydrogeologist with the Chazen Companies and consultant to Cricket Valley Energy (CVE), led the group's discussion about creating a Swamp River Gauging Station. CVE will fund the station as part of its ongoing commitment to the protection of Dover's natural resources and is the result of ideas contributed by attendees at previous AWG meetings.

Members of the AWG—including representatives from FrOGS, Housatonic Valley Association and the Oblong Conservancy—discussed several possible monitoring station sites to collect data related to:

- Flow
- Temperature
- Conductivity (Salinity)

For approximately 40 years, the United States Geological Service (USGS) maintained a water gauging station in the Swamp River at the Route 22 Bridge, north of the CVE site. By re-establishing a gauging station at the same site, a new station would have the advantage of providing information from a relatively stable bed for the measurement of water flow including depth and speed, with the added benefit of having USGS historical records available for comparison. Attendees agreed that this site should be considered as a primary location for the new water gauging station.

Measuring temperature and conductivity (the ability of water to conduct electricity) are relatively easy and can also be monitored at the Route 22 site. These data points will provide non-specific information about the water's quality. As CVE will not release any process water from its site, it will not impact the water's temperature or quality.

To ensure that its impact on the Swamp River and the aquifer is insignificant, CVE has integrated the following features in its design:

- 74 acres of wetlands west of the railroad tracks will remain untouched;
- A stormwater management system will be implemented to filter rainwater including existing runoff from Route 22;
- Zero Liquid Discharge (ZLD) will ensure no process water is discharged from the site;
- State-of-the-art technology, including air cooling, will minimize the amount of water required;
- Existing damaged wetlands on the site will be restored.

The Water, Wetlands & Wildlife AWG will continue its discussion on the gauging station in order to identify who will install and collect the monitored information.

**Upcoming AWG Meetings:**

***Air Quality***

Thursday, October 6, 7-8 pm

Agenda: Air Quality Monitoring-Where are the stations? What do they tell us?

***Traffic & Safety***

Thursday, October 13, 7-8 pm

Agenda: Consider second temporary parking lot for construction workers

For more information about CVE's Advisory Working Groups, contact Matt Martin, Associate Project Manager at [info@cricketvalley.com](mailto:info@cricketvalley.com) or call 845-877-0596. No experience or specialized knowledge is needed, and you may attend one, two or all three Advisory Working Groups.

For more information, please visit [www.cricketvalley.com](http://www.cricketvalley.com).