
CFD2 | Special Meeting

10.10.2022 via Zoom 5:30-6:44pm

Attendees

Jonathan Ashley (D&K)
Ian Baldwin (Board Member)
Farley Brown
Gina Campoli (President)
Nicole Civita (Board Member)
Paula Davidson (Treasurer)
Christina Finkelstein (Secretary)
George Hall (Board Member)

Norm Hanson (Board Member)
Renee Rossi (Board Member)
Rep. Katherine Sims
Dana Nagy (DEC)
Steve Smith (Systems Operator)
David Stoner
Barbara Strong
Rep. Vicki Strong

Acronym Guide

DEC	Department of Environmental Conservation
D&K	Dubois & King, consultant engineers for CFD2
RCAP	The Rural Community Assistance Partnership
WL-01	Well polluted with PFAS
WL-04	Well with no detectable levels of PFAS
WL-05	Reference to potential primary source well or its location
WL-06	Reference to potential primary source well or its location
WL-07	Reference to potential primary source well or its location

Agenda

- Changes/Additions to agenda
- WL-06: Status of hydro fracking, testing, and permitting
- WL-07: Planning and timeline for drilling Well 7
- Connecting new wells (6 and 7) to the system - planning route and timeline

- WL-01: Update re getting WL-01 back on line
- Generator project status
- Financial Report overview
- Meter installation priorities and timetable

Changes/Additions to the Agenda

None

WL-06: Status of hydrofracking, testing, and permitting (Jon Ashley)

Since the last Regular Meeting, drilling on WL-06 was successfully completed on September 1st. Initial yield estimates were 8 gallons per minute. Under D&K's and DEC's guidance, the Board approved Manosh to proceed with hydrofracking in an attempt to increase yield. Hydrofracking was completed on September 30th.

- Jon explained that testing suggests the long term yield for WL-06 will be 12 gallons per minute.
- The new supply well was found to have an insignificant effect on surrounding wells' yields.
- Nicole noted that she was waiting for D&K to provide a final site plan with the well's location and connection path. This exhibit is necessary to draft the easement.
 - Jon noted that the GPS coordinates were collected by D&K team while conducting the yield testing. Data will be inputted once team is back from field.
 - Sterling has engaged the same attorney that worked on the WL-04 easement.
- Jon confirmed that DEC will need the easement before the hydrogeologic report can be approved.
- Gina noted that there is less urgency to the easement and approval process because it is no longer practical to have WL-06 connected before spring. Jon confirmed:
 - The total CFD2 demand is 23gpm. WL-06 is expected to yield 12gpm. WL-04's estimated yield is 2gpm.
 - There is not enough time to drill and test another well before winter weather.

- Nicole reiterated desire to have all site plans and easements completed before spring.

WL-07: Planning and timeline for drilling (Jon)

Potential site on Sterling College land.

- Plans for representatives of CFD2 and Sterling College to do a walk around with D&K to explore specific location and connection path
- Representative Sims asked if CFD2 has consulted with a dowser
 - Lots of similar queries from community members
 - No formal consideration or discussion to date by the CFD2 Board. Gina noted that if WL-07 doesn't work out, she would support other options, including dowers. Norm suggested working with hydrogeologists and dowers simultaneously for WL-07.
 - Discussion and agreement to inquire re dowser costs. Representative Sims offered to reach out to a dowser (Marcel Masse). John Zaber also offered to make inquiries on CFD2's behalf.
- Nicole shared that Ross Morgan believes that there may be a very active high volume spring in the proposed WL-07 area.
 - Steve will reach out to Ross Morgan and invite him to walk through at Sterling
- Dana Nagy shared that DEC has a grant with the Vermont Geological Survey to conduct aquifer mapping projects. If CFD2 does not find water at WL-07, might need to engage the Vermont Geological Survey to do mapping.
 - Gina noted that researchers (Kim, Severson, and Gale) from Vermont Geological Survey and Norwich University completed an Evaluation of Groundwater Resources for Craftsbury in 2010. Report shared with D&K and others previously but she will circulate again after meeting.

Connecting new wells to system

Not separately addressed. See discussion re WL-06 and WL-07 above.

WL-01: Update re getting WL-01 back on line (Steve Smith)

WL-01 is the contaminated well that has been out of commission since late July when the pump and motor were hit by lightning on July 21. Since then CFD2 has purchased bulk water from Manosh to meet demand. The failed equipment was replaced on September 16th but the well has not yet been reconnected to the system (see below). Soon after the equipment was replaced, a leak was detected at the well site. The leak was located and the affected pipe replaced on September 23rd.

- Steve explained the steps he has taken to chlorinate and flush WL-01 after the leak was repaired on September 23.
- Water sample came back positive for total coliform
- Steve followed DEC guidance on shocking system (chlorinate and then wait 24 hours, flush, retest)
- Second sample came back positive for total coliform. DEC hypothesized that the chlorine was not reaching the bottom of the well. Advised to put chlorine pellets/pucks into well.
 - Need to wait 48 hours. Third sample will be taken Wednesday
 - Results should be back by Friday afternoon
- Renee shared that when Manosh comes to fill up the tank they are offloading a lot of water on to the road, which also then floods her driveway.
 - Renee will follow up with Manosh re reasons for having to dump any water.
- Question re how often Manosh is refilling tank. 4-6x/week. Charges include the cost of the water plus the driver and the truck. Each bulk haul is approximately \$1300.
- While contaminated with PFAS, WL-01 will allow CFD2 to have a reliable and financially sustainable supply of non-potable water. Insurance covered the equipment replacement and bulk hauling through September 20th.

Generator Project Status (Jon)

- Jon shared that he received quotes from mechanical contractors to replace the failed booster pump.
- Replacement is necessary before the variable frequency drives are installed.

- Variable frequency drives are on site and ready for installation.
- Electrical inspector requested a disconnect between the meter and the transfer switch. D&K received a quote from an electrician. Waiting for DEC's review and approval.
- Once the booster pump is replaced and the disconnect installed, the generator project will be completely finished. Jon estimates completion in the next 3-4 weeks.

Financial Report Overview (Paula)

Quick overview: lots of money going out, some money coming in

- Overseeing payments and reimbursements for multiple projects
- Loan to cover new source well in flux because the scope of the project keeps expanding. Each change requires amended documentation and state review and approval.
- Q3 bills just went out to customers
- Perplexed by what seems to be very low usage at the Academy compared to historical data
 - Steve took readings again after Paula expressed concern that the numbers may be off
 - Paula confirmed that the second readings were similar to the first. However, historical use ranged from 25-50k gallons per quarter. Most recent reading was 3k. Reading may be suspect even if the building was empty most of summer.
- Q re projected costs for hauled water until a permanent water source is in place. Insurance covered bulk water thru September 20. Once WL-01 is connected back into the system, we can cease purchasing bulk water.
- Bottled water will continue. Rough estimates suggest that CFD2 has enough grant money for bottled water through January.
 - Dana is hopeful that the state will have remaining grant funds to cover bottled water costs thru the spring. He will need an updated application with revised projected costs.

The Do Not Drink Order remains in effect until further notice

- Dana noted that since customers are aware that the water coming from taps are clean, it is imperative that word gets out once WL-01 is back online.
- Representative Strong asked how much bottled water costs.
- Discussion re spouts (available on Amazon) and difficulty handling the 5gs due to weight
- Norm shared that Paula has been doing a wonderful job juggling all the projects.
- Discussion re whether CFD2 will need to dip into the Capital Improvement Fund to cover bills.
 - Hard to say as some very large bills have not yet arrived
 - The line of credit is also available

Meter Installation Priorities and Timetable

Steve reported that he ordered all the parts needed for residential replacements or repairs. He's waiting on a date from the vendor recommended by D&K to perform the work.

- Steve confirmed that all residential customers will then have working meters, but refurbishing a meter for Craftsbury Academy will cost \$400 and take approximately 2 weeks during which time usage cannot be measured.
- Q re whether getting a new meter would be more cost effective. A new meter is an additional 800-900.
- Discussion re which approach is better for institution meters. Gina suggested Steve provide precise cost estimates to the Infrastructure Committee.
- Ian pointed out that the meter at the Academy's gym is relatively new but the reading is very low. We won't know for another quarter if there is an issue.
- Gina also asked for timeline of all repairs
- Steve confirmed that he has extra meters for residential customers, but did not have replacement institution meters because of the high cost.

Actions Items

- D&K to provide final map of WL-06 location and connection paths to be used as exhibit for easement with Sterling and private landowner
- Representatives of the CFD2 Board and Sterling College will walk through potential location for WL-07 on Thursday, October 13
- Representative Sims to reach out to dowser. John Zaber will also call and coordinate estimates from local dowers.
- Gina will circulate the Evaluation of Groundwater Resources for Craftsbury report to stakeholders again
- Pauls will work with Dana to submit an updated application with revised projected costs for bottled water thru spring.
- Gina will find out the contact information for the caretaker of the Chandler house.
- Steve will compile a list of all residential and institutional meters that need replacement or repair with timetable and costs (including cost to refurbish or purchase new institution meters).
- George will hand-deliver these minutes and any announcements to customers without email

Next Meeting

The next Regular Meeting will be on **Monday, November 7th at 5:30pm**. A special meeting will be called if there are developments or other issues that merit full Board deliberations.

A reminder announcement with the Zoom link (<https://us02web.zoom.us/j/87324152544>) will be posted on Front Porch Forum.

NOTE: The Zoom link (<https://us02web.zoom.us/j/87324152544>) and call-in details are the same for all remaining 2022 meetings.

Call in Details:

Meeting ID: 873 2415 2544

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