

Village District of Eidelweiss
Water Committee Meeting – Madison Town Hall – 01-06-2022

Called to Order: 2:00pm

Attendees:

In-person: Jay Buckley, Larry Leonard, Doug Prescott
By zoom: Larry Sodano
Horizons Engineering: Cathy Conway, Josh Davis

- Josh: Inventory & GPS by Horizons:
 - CSV's: can GPS about 60/day if marked; about 150 have been marked; 70-80 GPS'd so far
 - 7 Pump Stations – need Data Sheets, Bill of Material, Equipment inventory
 - Need Operations & Maintenance Manual in each
 - Most have had significant upgrades during the last few years
 - Isolation/Gate Valves – about 50 out of 200 GPS'd
 - These 50 are the most important ones
 - 3-Valve cluster at each intersection

- Cathy: Grant Accounting: to-date, have spent about \$5,000, but there is completed work to be billed

- Josh: Horizons is building the Map:
 - Field data, data from VDOE, data (CAD) prepared by Thorne Survey 5-6 years ago

- Cathy: Level of Service (LOS) – need to determine the LOS goals, such as:
 - 35psi at 2nd floor of every house
 - Water Quality – meets required level
 - Testing Monthly (Summit Station cavitates on occasion; Ian shocks the pump)
 - For a main break, max. of 24 hrs out-of-service for that section
 - Number of main breaks per year (used to have several/year; only one this past year?)
 - Leak detection: maybe have 20-30% loss due to leaks;
 - per Ian, maybe lose 25 gal. per min (checked 12-2am)
 - There may be Grants for leak detection
 - Larry L. has attended a class on leak detection
 - This excludes loss per bleeders (formerly had 18., now 12 left)
 - Leaks often do not exhibit until they “bubble up”

- Jay: Wells: 2 locations
 - DPW Well – underground aquifer is very good; 175gpm; 100' deep
 - 400 ft. radius protection zone
 - Clean trucks elsewhere
 - a truck tip-over & spill on the highway could be an issue
 - Muddy Beach Wells – 2 wells, different depths
 - Can run 3 days without the DPW well running without going dry
 - on a VDOE-owned parcel, but outside the District
 - there is a house within 200' of the wells which is a possible risk

- Jay: Water Budget:
 - 2017 was \$145,000; 2022 proposed is \$160,000; about 3-4% per year
 - There is no annual allocation for future capital work
 - Capital Reserve for Water is \$140,000
 - If we have a major tank or pump failure, could need to truck-in water, etc.

- Jay: Financial:
 - 2022 Loan repayments: \$80,000 during 1st half, \$100,000 during 2nd half
 - Funding of Water:
 - Reinach tank: taxpayer-paid
 - General: ($\$Budget$) / (# connected users) = Annual Water Bill (round up for emergencies)
- Cathy: Horizon wants to review last few years of financials to be able to project out 5-10 yrs
- Jay: Administrative Staff: split 85% to Operations, 15% to Water System
- Cathy: Per the Grant requirement, need to have a Community Meeting / Hearing to:
 - Present the project, discuss Level of Service, and obtain input from system users
 - Perhaps schedule this for February or March with a lot of advertising
- Cathy: Per the Grant requirement, project has to be wrapped by May 2022
- Cathy: A Hydraulic Simulation Model is included in the current project
 - Will replace what the folks in Laconia used to do for VDOE
 - Who can operate this Model? Initially Horizons
 - Can key in a proposed new house to assess whether there will be adequate pressure
- Cathy: Reimbursement by NH-DES:
 - File a form with Horizons invoices attached
 - NH-DES won't reimburse until the phase is complete
 - Best to do a consolidated reimbursement submission at the end of the project
 - Horizons indicates we can hold off paying their invoices until we receive the reimbursement
- Jay: -- If we did pay Horizons, it could draw down VDOE cash reserves such that the District might need to use a TAN – Tax Anticipation Note as a loan
- Next Meeting: February 3rd, 2pm

Zoom ended and Meeting adjourned at 3:05pm

Respectfully submitted,
Douglas T. Prescott

Accepted with no Amendments at 03-03-2022 Meeting (see Minutes)