

Bayview Water & Sewer District
20298 E Perimeter Rd, Bayview, ID 83803

SPECIAL MEETING MINUTES
May 2, 2018

Call to Order and Roll Call: Chairman Richard Doney opened the meeting at 1:03 PM and a roll call confirmed that directors Stephen May, Robyn Edwards and Jan Jones were also present.

Others Present: Jessie Roe, District Treasurer.

Guests Present: Ellery Howard with JUB Engineers and members of the public.

Consent Agenda and Minutes: Ms. Jones made a motion to approve the consent agenda with a second from Mr. May. All were in favor, motion carried.

Agenda Items:

1. Resolution Declaring Certain District Property Surplus – Resolution 2018-001: Ms. Edwards made a motion to approve the resolution followed by a second from Mr. May. All were in favor motion carried.
2. Consider Bond Counsel Representation: The Board decided to hold a special meeting on May 8, 2018 at 3:00 PM at the District office to hear from Laura McAloon on services for bond counsel.
3. Workshop to determine important potential infrastructure projects for funding: Mr. Howard with JUB Engineers presented the topics and project packages discussed in prior workshops (attached).

With no further business to discuss the special meeting was adjourned at 3:12 PM following a motion from Ms. Edwards, seconded by Mr. May. All were in favor motion carried.

Respectfully Submitted and Approved:

Jessie Roe
Administrative/Treasurer

Richard Doney
Chairman of the Board

Bayview Water & Sewer District

Known Needs:

Non-Revenue Water

- Excessive amount of water that is not metered (at least 50% of water)
 - Contributors:
 - Leaking transmission lines in Farragut Area.
 - Navy Base is unmetered and use is unknown.
 - Aging meters in Bayview Area are inaccurate (read less than actual use).
 - Known leaks in distribution lines.

Low Water Pressure Complaints/Fire Flow

- Bayview Area - along the top of the lower pressure zone.
- North Side of Bayview.
- Dromore Area - low pressure and reservoir is undersized (11K gal).

Long-term Maintenance/Reliability

- Aging infrastructure (major components were installed early 1940's, mid 1970's)
- Auto back-up power needed at Well 7.
- SCADA has some deficiencies, no back-up power at tank site/repeater.

Recommended Projects - Scenario A (New Tank)

1) New Storage Reservoir - North side of Bayview

- Description: New large reservoir to serve all of BWSD, replace Farragut Reservoir and small Dromore tank and booster to increase pressure. Consolidates storage and eliminates a booster station.
Expected Life - 100 years.
- Need: undersized Dromore tank (11K gal) and booster, better fire flow, address pressure complaints.

2) New Transmission Main

- Description: Abandon portions of aging/leaky line in Farragut Area and install new line from Well 7 to BWSD (2,800 LF).
- Need: Replace leaking and aging piping in the Farragut Area.

3) New Distribution/Transmission Mains

- Description: Connect wells (south side of town) to new reservoir on north side of town (6,300 LF).
- Need: Improve low pressure and flow problems, increase fire flow capabilities.

4) Looping/Repair

- Description: connect dead end mains and repair/replace known leaking areas.
- Need: Improve low pressure and flow problems, increase fire flow capabilities.

5) Meter Replacement

- Description: replace old and inaccurate meters in Bayview area with more accurate radio read meters. Add meters to unmetered locations.
- Need: increased accuracy, less labor to read (few hours vs. days), increases available flow to customer.

6) Minor Projects - System Maintenance and Reliability

- Description: SCADA upgrades, generator at Well 7, PRV rebuilds (4).
- Need: system reliability in emergency or power outage, system optimization (PRV tuning).

Recommended Projects - Scenario B (Rehab Existing Farragut Reservoir)

1) Tank Rehabilitation

- Description: paint and lining upgrades to extend the usable life (25-30 years).
- Need: existing tank is 75+ years old and leaking. Existing internal coating is spalling off.

2) Repair or Replace Transmission Mains

- Description: repair or replace 4,000 LF of aging 12", 10", and 8" lines from Well 7 to Tank, and Tank to Navy facility.
- Need: 75+ years old, known to have had significant leaks, joints are issue (not pipe itself).

3) Dromore Upgrades

- Description: replace Dromore Reservoir and booster, potentially move new tank to higher elevation, replace lines.
- Need: undersized reservoir (11K gal) does not supply adequate domestic or fire flow needs.

4) Looping/Repair

- Description: connect dead end mains and repair/replace known leaking areas.
- Need: Improve low pressure and flow problems, increase fire flow capabilities.

5) Meter Replacement

- Description: replace old and inaccurate meters in Bayview area with more accurate radio read meters. Add meters to unmetered locations.
- Need: increased accuracy, less labor to read (few hours vs. days), increases available flow to customer.

6) Minor Projects - System Maintenance and Reliability

- Description: SCADA upgrades, generator at Well 7, PRV rebuilds (4).
- Need: system reliability in emergency or power outage, system optimization (PRV tuning).

“Minimum” Project

1) Repair or Replace Transmission Mains

- Description: repair or replace 4,000 LF of aging 12”, 10”, and 8” lines from Well 7 to Tank, and Tank to Navy facility.
- Need: 75+ years old, known to have had significant leaks, joints are issue (not pipe itself).

2) Meter Replacement

- Description: replace old and inaccurate meters in Bayview area with more accurate radio read meters. Add meters to unmetered locations.
- Need: increased accuracy, less labor to read (few hours vs. days), increases available flow to customer.

3) Minor Projects - System Maintenance and Reliability

- Description: Leak repair, SCADA upgrades, generator at Well 7, PRV rebuilds.
- Need: system reliability in emergency or power outage, system optimization (PRV tuning).

No upgrades to Farragut or Dromore Reservoirs.

“No Action” Project

- 1) Would continue to waste approximately 50% of pumped water.
- 2) Would need to establish a repair fund (recommend \$200,000 minimum)
- 3) Would have to address repairs immediately and not have the benefit of very favorable financing terms (30 years, 1.75% interest, \$123K principal forgiveness).
- 4) Current customers would have to pay for system repairs upfront vs. having future users share costs.