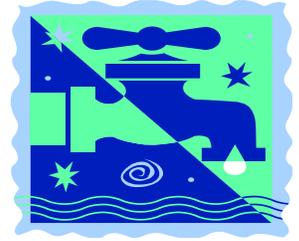




# PUBLIC WORKS BOARD MEETING Minutes



Thursday, February 16, 2017  
5:30 p.m.

, **CHAIRMAN**

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## PUBLIC WORKS BOARD MINUTES

February 16, 2017

The meeting convened at 5:15 pm.

Members present: Bill Enright, Travis Jones, Tom Llewellyn, and David Wanzenried

Staff present: Kelly Frank, David Mumford, and Vern Heisler

Members Absent: Rod Wilson

Guests: None

### OLD BUSINESS

#### APPROVAL OF MEETING MINUTES

The meeting was called to order. Mr. Wanzenried motioned to approve the minutes of the October 13, 2016 meeting and Mr. seconded and the motion was passed.

### NEW BUSINESS

1. Introduction of Bill Enright
2. Elect a new Board Chairman
3. Status of the Letter to City Council regarding Inner Belt Loop
4. Draft FY18 to FY2022 Capital Improvement Plan Discussion
5. Solid Waste Recycling Discussion
6. Update on Landfill Expansion Permitting
7. Questions?
8. WATER AND WASTEWATER PRESENTATION

Mr. Capera and Ms. McInnis presented information on the next steps for the Integrated Water Plan. Mr. Capera explained how the Water Keepers lawsuit is moving forward and the River Keeper lawsuit has the backing of Sierra Club who wants the nutrient levels with

no variance. There is currently no technology to meet the nitrogen and phosphorus standards set by MDEQ even with the \$200 million upgrade to the WWTP.

HDR met with Montana DEQ to discuss the Yellowstone River water quality. The water quality modeling work is being reviewed now and the new criteria for nitrogen and phosphorus will likely be 0.5 mg/L TN and 0.05 mg/L TP. HDR has requested the model to conduct sensitivity analysis.

HDR explained what reclaimed water aquifer recharge/reuse would mean for Billings. Raw wastewater from the existing sewer system would be treated in a satellite WWTP and recharge/reuse treated effluent. The areas being considered are West Billings and Billings Heights. This option would reduce flow and loading on collection system interceptor sewers and wastewater treatment plant. Also reduces nutrient loading to the Yellowstone River and potential to reduce demand on water treatment plant

This treated wastewater would be put back into the ground to recharge wells. It could also be used for agricultural irrigation. Some of the regulatory challenges are:

Irrigation:

- Set backs
- Human contact

RWAR:

- Distance to domestic wells (200 day travel time)
- Total Nitrogen: 5 mg/L

Permitted Groundwater Discharge

- Must meet requirements at end of mixing zone
- Less stringent Total Nitrogen Requirement ~ 7.5 – 10.0 mg/L

Surface Water Discharge (BBWA, Shiloh Conservation Area)

- Typically classified B1 Water of the State
- Must meet same requirements as discharge to the Yellowstone River

Mr. Mumford asked what options we want from HDR for more water options. Amanda is developing criteria for the Integrated Water Plan survey with these options:

Sustainability

Water Conservation

Cost

Constructability/operability – more satellite plants, but the processing would stay the same with neighborhood water and wastewater treatment plants

Operability

Public Acceptance – example purple pipe program

Permitability/Implementation

HDR Inc. will do a survey from survey monkey to the public to rank the above criteria from the Board. Mr. Wilson said the key is public acceptance with any of the integrated choices. Once the survey is to the Board, they will have 10 days to get their rankings back to HDR.

Mr. Jones asked if HDR had talked with DNRC if the water is in a facility plan does the treated water belong to the city and the answer is yes. Mr. Wanzenried asked if the aquifers benefit the people with wells – how will the city benefit? That question is tough to answer since the decision hasn't been made which option the City will go with.

Mr. Jones also asked if we could do regional water treatment plant that would benefit Billings and Laurel? Mr. Mumford responded that Laurel isn't interested in partnering with Billings and for some reason doesn't trust Billings.

Some upcoming considerations include construction at WWTP dictated by new discharge permit, implement policy changes to allow reuse/nonpotable water, and purchase some land for a Westend WTP.

9. REVIEW THE CURRENT POLICY OF DEDICATING ALL OR MOST OF THE MONIES FOR STREET CONSTRUCTION TO THE INNER BELT LOOP FOR A TEN-YEAR PERIOD AND ITS IMPACT ON OTHER PROJECTS THAT MUST BE DEFERRED DURING THAT TIME

Currently looking at a shorter route for the Inner Belt Loop to lessen the cost, but this option would not have any development because of the terrain by the route. The shortened road would take all arterial funds for 3-4 years and the longer route would take 5-7 years of all arterial funds. If the City Council does opt for detouring all arterial funds there would be no road construction, overlays, or chip sealing during this time period.

Questions about where the funding came from for Zimmerman Trail were asked. Over 10 years ago Senator Burns had put an appropriation in a bill that allowed for \$10 million in funding for improvements to Zimmerman Trail. Mr. Wanzenried motioned to have a letter written by the Mr. Mumford and the Board objecting the Inner Belt loop the motion was seconded by Mr. Wilson. The Board instructed the letter to include a project map that will show all projects that would not be designed or constructed, and the dollar amount that would not be awarded in bids to local construction companies. The motion unanimously passed.

The meeting adjourned at 7:00 pm.