

JOINT CITY COUNCIL & UTILITY MEETING

January 16, 2023

Brillion City Center

6:00 PM

CALL TO ORDER

The City Council meeting was called to order by Mayor Smith at 6:02 pm.
Pledge of Allegiance was recited by those present.

ROLL CALL

Present: Mayor Mike Smith, Joe Behnke, Kory Davis, Tim Hanson, Shelly Lau (via Zoom), Joe Levash, TJ Moehr, Ruben Piepenburg

Utility Present: Jeff Wittman, Dave Schwahn, Russ Boldt, Dan Farrell, Leonard Kopidlansky, Mary Jo Krueger

Also present: Richard Johnston, Austen Frederickson, Patty Schreiber

GUESTS:

Tony Kappell-McMahon, Sara Altimimi-McMahon, Pete Litersky-MCO, Paul Much-MCO
Joel Thorp, Wes Kempen

APPROVAL OF AGENDA

MOTION - Levash moved to approve the agenda. Seconded by Piepenburg. All in favor.
Motion carried.

Citizen Input – none

WWTP FACILITY PLAN

Presentation presented by Altimimi. Paper copy of the presentation was handed out.

Background

WWTP originally constructed 1981.

2001 - Reed Bed sludge dewatering and storage system was constructed to replace the original belt filter press dewatering system.

2001 - Fine Screen was installed to replace the comminutor.

Majority of unit process equipment and electrical systems are original to the plant
40 years old.

Purpose of Facility Plan

Assess Condition/Capacity of the WWTF

Identify Needs

Estimate Growth Over 20-Year Planning Period

Recommend Cost Effective Improvements

Needs Assessment

The facility was assessed with respect to the following:

- Age / Condition
- Capacity & Performance

- Code Compliance

Purpose is to establish a basis of need for improvements:

- Meeting future effluent Phosphorus limits.
- Eliminate SSO's (sanitary sewage overflow) and TFO's (treatment facility overflow)
- Restore treatment capacity
- Replace aging infrastructure

Future Conditions

Flows and Loadings Projections (20-Year Planning Period)

- Summarize current WWTF Influent Data (2018-2020).
- The Ryan Street Lift Station data was used to establish the industrial flows and loadings.
- Establish current domestic flows and loadings.
- Project future domestic base using 20-year population growth
- Project future industrial base assuming 30% increase over the current industrial base.

Alternatives Evaluation

Preliminary Screening

‘No Action’ Alternative

Regionalization

Wastewater Treatment Alternatives (Preliminary, Secondary, Tertiary, Solids Handling)

Phosphorus Limit Compliance via “non-treatment” alternatives

Alternatives Evaluated Based On:

Capital and O&M Costs (20-Year Present Worth)

Operability and Maintainability

Reliability / Effluent Quality

Constructability and Expandability

1. Influent Pumping and Preliminary Treatment (Fine Screening and Grit Removal)
2. Secondary Treatment
 - Expansion in Kind
 - MBBR (Moving Bed Bioreactor)
 - MBR (Membrane Bioreactor)
3. Tertiary Treatment
 - Disk Filter Retrofit
 - New Continuously Backwash Up-flow Sand Filter
4. Solids Stabilization, Solids Dewatering, Storage, and Disposal
 - Aerobic Digestion / Reed Bed Dewatering and Storage / Landfill Disposal
 - Chemical Solids Stabilization / Reed Bed Dewatering and Storage / Landfill Disposal
 - Aerated Holding Tank / Dewatering / Drying / Landfill or Land Disposal

Recommended Plan

Influent Pumping and Preliminary Treatment

Secondary Treatment - Expansion in Kind

Disk Filter Retrofit

Aerobic Digestion / Reed Bed Dewatering and Storage / Landfill Disposal

Implementation Schedule

Submit Facility Plan to DNR	April 2023
DNR Approval of Facility Plan	August 2023
Submit Final Plans & Specs	June 2024
DNR Approval of Plans & Specs	October 2024
Open Bids For Construction	January 2025
Start Construction	June 2025
Complete Construction	June 2027

Need to be approved by Council in order to meet the Implementation schedule. Public hearing will be required after the Council approved. The public hearing should be late February or early March.

Currently working with the City of Seymour. They are very similar in age, plan, and estimate.

The difference between Brillion and Seymour, is Seymour as a large industrial discharger.

Kappell explained the 40% Engineering Contingency Fee was explained. The line item is to catch any item missed in the estimate, in addition to the engineering cost. Engineering Fees and possible missed items should be known during the design stage and by bid day.

Johnston did some work with our Financial Advisor. Came to the conclusion to utilize a lesser rate increase over a longer period of time and two bond anticipation notes. The first would be a five-year note that would capitalize the interest. The second five-year note the interest would not be capitalized. Conversation has been had with IPR with regards to financing. Only way to recommend to utilize IPR is to go into it with an exit strategy. Grants will be looked into as well. Seymour is looking at the Clean Water fund, USDA Rural Development, and another mechanism. The third mechanism is being utilized as a carve out for additional grant options. Projects in compliance will be tracked by a combination of the contractor and the engineer during construction.

Looking at a rate increase of 2 and 3% over the next 10 year period. This will create between \$1.8 to \$2 million dollars to service the debt.

Motion: Levash moved to accept the facility plan as presented by McMahan. Seconded by Davis. Roll call vote taken. In favor: Davis, Hanson, Lau, Levash, Moehr, and Piepenburg. Against: Behnke. Motion carried.

Public hearing to be scheduled at the next Council meeting.

ADJOURNMENT:

The meeting adjourned at 6:52 pm.

Patty Schreiber
Clerk/Treasurer