

UTILITIES SERVICE BOARD MEETING

August 20, 2018

Utilities Service Board meetings are recorded electronically and are available during regular business hours in the office of the Director of Utilities.

Board President Roberts called the regular meeting of the Utilities Service Board to order at 5:00 p.m. The meeting was held in the Utilities Service Board room at the City of Bloomington Utilities Service Center 600 East Miller Drive, Bloomington, Indiana.

Board members present: Julie Roberts, Jason Banach, Amanda Burnham, and Jean Capler. Sam Frank came in during agenda item #6.

Staff members present: Greg Nettleton, Jane Fleig, Brandon Prince, Brad Schroeder, James Hall, Cindy Shaw, Phil Peden, Nolan Hendon, Tom Axsom, Chris Wheeler, Holly McLauchlin, Laura Pettit, and Vic Kelson.

MINUTES

Board member Capler moved and Board member Banach seconded the motion to approve the minutes of the August 6th meeting. Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Roberts asked that 2 corrections be made on minutes: date for next meeting listed as 8/20 instead of 8/21 and corrected spelling of "delineated".

AMEND AGENDA

Capler moved and Banach seconded the motion to approve an amendment to add 6b to the agenda regarding a resolution about matching funds for the Friends of Lake Monroe grant. Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

CLAIMS

Capler moved and Banach seconded the motion to approve standard claims as follows:

Vendor invoices submitted included \$186,187.47 from the Water Utility, \$158,695.41 from the Wastewater Utility, and \$4,517.88 from the Stormwater Utility. Total Claims approved: \$349,400.76.

Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Capler moved and Banach seconded the motion to approve the ACH claims as follows:

Invoices submitted included \$200,589.10 from the Water Utility, \$0.00 from the Wastewater Utility, and \$0.00 from the Stormwater Utility. Total Claims approved: \$200,589.10.

Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Capler moved and Banach seconded the motion to approve the utility claims as follows:

Invoices submitted included \$102,219.07 from the Water Utility, \$74,217.20 from the Wastewater Utility, and \$0.00 from the Stormwater Utility. Total Claims approved: \$176,436.27.

Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Capler moved and Banach seconded the motion to approve the wire transfers and fees in the amount of \$424,443.95. Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Capler moved and Banach seconded the motion to approve customer refunds as follows:

Customer refunds submitted included \$113.66 from the Water Utility, \$2,682.46 from the Wastewater Utility, \$0.00 from the Stormwater Utility, and \$0.00 from Sanitation. Total Claims approved: \$2,796.12.

Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

APPROVAL OF CONSENT AGENDA

Capler moved and Banach seconded the motion to approve consent agenda. Motion carried, 4 ayes (3 members absent: Ehman, Frank, Sherman).

Five agreements on consent agenda: Control Freaks - \$5,420.00 - Gauges at MWTP, Control Freaks - \$636.00 - sensor failure in 3mil gallon tank, Commercial Service - \$735.12 - Cooling check at CBU Service Center, Horner Industrial - \$10,000.00 - On-call Services, Air Master HVAC - \$6,000.00 - On-call Services.

BID OPENING ARLINGTON ROAD WATER MAIN REPLACEMENT

CBU Senior Project Coordinator Nettleton and Kendall Knoke from Smith Brehob presented bids for the Arlington Rd Water Main Replacement which includes Prow Rd and Hickory Ln. The work includes moving services, installing hydrants, and boring under the bypass. The following bids were received by the deadline and opened in alphabetical order:

Crider & Crider	\$1,494,000.00
E&B Paving	\$1,211,500.00
Infrastructure Systems Inc.	\$1,535,750.00
Milestone Contractors	\$1,242,559.00
Reed & Sons	\$1,562,600.00

Knoke said they would take the bids under advisement and thanked the bidders for their participation.

PRESENTATION BY FRIENDS OF LAKE MONROE

CBU Director Kelson said that CBU has been meeting with Friends of Lake Monroe, Indiana University, Army Corps of Engineers, Department of Natural Resources, and the Nature Conservancy on source water protection in Lake Monroe. Kelson introduced Sherry Mitchell-Bruker to talk about a "319 grant" application which needed matching funds or in-kind contributions. Kelson also noted that the Council and Mayor supported the grant.

Mitchell-Bruker described FOLM as a 501(c)(3) volunteer group formed to protect Lake Monroe and its watershed. "319" refers to a section of the Clean Water Act designating money to developing watershed plans. The money is from EPA and administered in Indiana by the IN Dept. of Environmental Management. The goal is to reduce pollution in a water source and develop a watershed management plan which is needed before further implementation projects. Having no plan and no water shed coordinator is unusual for a reservoir of this size, according to Mitchell-Bruker. The grant requires a 40/60 match; Mitchell-Bruker is requesting that the USB commit to donating \$37,500, office space at CBU and equipment for the watershed coordinator, and 500 water sample tests for E.coli. The County council has already committed to donating no more than \$75,000 with the prediction that they will actually donate \$37,500 with CBU matching that amount. The funds will go to hiring a watershed coordinator and doing a watershed inventory.

This work has already begun with the group that has been meeting at CBU and an intern also housed at CBU who has been aggregating relevant data. The group has also been exploring other funding opportunities. The grant has many supporters and an experienced Board. The League of Women Voters will put together public meetings to hear stakeholder concerns. FOLM is also working with the National Forest Service, Dept. of Natural Resources, IU SPEA, and the Soil & Water Conservation Districts on ways to reduce pollutants.

In addition to the coordinator, the grant would pay for water quality monitoring at 3 places within the lake and 3 sites in the watershed. In the Fall and Spring, a volunteer blitz will occur in which trained citizen scientists get many samples to be processed in a professional lab to give a snapshot of water quality and help identify hotspots, pollutant sources, and pollutant loads. This information will help the group to set goals in pollutant and sediment reduction and help to focus on critical areas. The Action Plan will follow: what to do, how to fund it, and a strategy for tracking effectiveness.

This is a long term effort to reduce pollution loads and this part of the project is the beginning. In the short term, this will raise public awareness, create a road map, identify funds, and encourage collaboration. Ultimately, this work will reduce pollutant loads, reduce DBPs, reduce algae blooms, increase public confidence in the drinking water, improve taste and odor, increase clarity, and decrease treatment costs.

Banach asked if CBU already does this work as part of current activities. Kelson answered that other than security at the intake tower, CBU has no jurisdiction of the lake and takes no water samples at the lake. In addition to providing our data which has tracked drinking water quality over an extensive time, CBU has been hosting regular meetings to look at the possibility to build a fund for water source protection. Kelson views this grant as an opportunity to be involved in water source protection without having to take on the burden of the whole lake.

Capler asked about the main things that the group would be testing for in the water. Mitchell-Bruker said a standard suite: E.coli, phosphorus, Total suspended solids, nitrogen, sediment, pH, dissolved oxygen, biological sampling, etc.

Capler reiterated that one goal was to ultimately reduce treatment cost by improving water quality. Capler asked if there was data from other communities that gave a sense of how much money could be saved. Mitchell-Bruker said she looked at it more as the cost of not doing anything such as an Ohio community where algae makes the water undrinkable, or places where recreation is no longer allowed, or look to Florida as a worst case scenario (toxic algae blooms). Mitchell-Bruker says we may avoid a crisis by working on it early. Kelson describes it as "cost avoidance" because CBU can treat current challenges relatively easily, but DBPs and cryptosporidium are two expensive challenges that may come up if the lake begins to eutrophy.

Roberts commented that she was impressed with the consortium of people signed on, especially the Board, and she liked to see the cooperation of county, state, city, federal, and volunteer agencies together for a quiet problem that could potentially become a big problem.

REQUEST APPROVAL OF RESOLUTION 2018-3

Banach moved and Capler seconded the motion to approve the resolution contingent on legal review. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Banach also asked if there were any legal issues with giving rate payer money to a 501(c)(3). Wheeler with City Legal will research it. Banach said he would support the resolution contingent upon legal review.

REQUEST APPROVAL OF 1ST AMENDMENT TO SMITH BREHOB HICKORY LN WATER MAIN PROJECT

Capler moved and Banach seconded the motion to approve the amendment. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

CBU Engineer Fleig presented an amendment to the Smith Brehob and Associate Agreement for the Water Main Replacement Project. The bid opening earlier in the meeting was for this project. Smith Brehob did the design and in design process, it was decided to upgrade the 2 inch water main which feeds 8 homes on Hickory off Arlington and add a fire hydrant. The additional surveying cost \$1,450 increasing the contract from \$78,800 to \$80,250.

REQUEST APPROVAL FOR AGREEMENT WITH WESSLER FOR OLD SR 37 WATER MAIN REPLACEMENT, PHASE I AND PHASE II

Capler moved and Banach seconded the motion to approve the agreement. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Fleig presented an agreement with Wessler Engineering for survey and design on water main replacement along Old State Road 37, Fairview Terrace, and Bethel Lane. Wessler was contracted earlier this year to study this area due to pressure issues, water quality issues, and main breaks. It has been decided that the pipe will need to be replaced as it is tubercled and the pressure is not keeping up along the distance of the pipe. The agreement is not to exceed \$186,000.

REQUEST APPROVAL FOR GRW AGREEMENT I-69 SECTION 5 SANITARY SEWER RELOCATIONS

Capler moved and Banach seconded the motion to approve the agreement. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Fleig presented an agreement with GRW Engineers Inc. to design sanitary sewer rehabilitation or replacement not included in the I69 project. CBU has been negotiating with INDOT and Isolux previously because they will not work on gravity pipe sanitary sewers, only pressure pipes. INDOT has agreed to reimburse CBU if CBU and its contractors do the work themselves. There are several pipes across 37 which is becoming I69 that will need lining or a casing pipe in case of future pipe failure. This work will extend the life of the current pipes and allow for work in the future that keeps our crews out of the limited access right of way. Roberts asked if this work will cause traffic issues on I69. Fleig answered that the agreement does not allow for interfering with traffic or the shoulder.

REQUEST APPROVAL HIGHWAY UTILITY AGREEMENT WITH INDOT FOR I69 SECTION 5 SANITARY SEWER RELOCATIONS

Capler moved and Banach seconded the motion to approve the agreement. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Fleig presented the formal highway utility agreement with INDOT for the aforementioned sanitary sewer rehabilitation or relocations. This agreement is based on years of negotiation and a clear understanding of the work to be done. It is for INDOT to reimburse \$2,500,000 over a 2 year timeframe. GRW will start the design immediately and their initial report and what we intend to do is an attachment to the agreement. Fleig stated that it is not ideal, but it is a lot better than nothing.

REQUEST APPROVAL 1ST AMENDMENT TO THE CITY/COUNTY REIMBURSEMENT AGREEMENT FOR FULLERTON PIKE PHASE I

Capler moved and Banach seconded the motion to approve the amendment. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Fleig presented an amendment to the City/County reimbursement agreement from 7/25/16 for the Fullerton Pike project. CBU included an upgrade to the 12 inch water main to make it a 24 inch main to meet CBU's long term needs. It would have been difficult to try to do our work separate from the County's road improvement project, so this work was included in their project with CBU reimbursing a portion of the costs. There was more rock than anticipated in this area and the price has increased \$65,418 which CBU will pay to the County.

REQUEST APPROVAL OF AGREEMENT WITH LAYNE INTAKE PUMP AT MWTP

This was removed from the agenda; not yet ready for consideration.

REQUEST APPROVAL FOR MOU WITH JOSEPH CHRISTINE, LLC WYLIE ST

Capler moved and Banach seconded the motion to approve the MOU. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Wheeler presented two memorandums of understanding with Joseph Christine LLC regarding two separate sets of properties. In both cases there are two adjacent parcels both owned by Joseph Christine LLC in which the utilities must be run across lot A to serve lot B. In the event that the properties become owned by separate parties, the MOU states there must be an easements which burdens lot A in favor of lot B because historically CBU has been in the middle of property owners litigating in this situation. The MOUs were created in hopes that CBU can avoid this situation in the future.

REQUEST APPROVAL FOR MOU WITH JOSEPH CHRISTINE, LLC HENDERSON ST

Capler moved and Banach seconded the motion to approve the MOU. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

REQUEST APPROVAL OF GRIFFY PLANT PRETREATMENT PERMIT

Capler moved and Banach seconded the motion to approve the permit. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

CBU Asst. Dir. of Environmental Programs Hall proposed a Pretreatment permit set to expire in six months to dispose of water from Griffy facility. Kelson noted that although he usually signs the permits, since CBU was the permittee in this case, he thought it wise for the Board to weigh in. Roberts asked about mercury in the water. Hall said it was lower than anticipated: 2.9 micrograms per liter, and fits within the daily max load limits. It will be trucked to Dillman Rd WWTP. Although the permit allows up to 300,000 gallons per day, it will be less.

REQUEST APPROVAL OF 2019 BUDGET

Capler moved and Banach seconded the motion to approve budget proposal. Motion carried, 5 ayes (2 members absent: Ehman and Sherman).

Kelson presented the 2019 budget proposal for USB approval before going to City Council on 8/21. CBU provides water, sewer, and storm water services. Kelson discussed current assets and staff. Reviewed progress on 2018 goals. 2019 Goals:

Wastewater Treatment Capacity improvements: CBU is developing a plan for capacity expansion at the Dillman Road WWTP, with a goal of raising the rated capacity from 15 MGD to 20 MGD. In addition, CBU is working on a plan to add an equalization basin and a third primary clarifier to the Blucher Poole plant to better manage higher flows from the new IU Health facility and eastside lift station. This also positions the Utility Department for growth in the I-69 Corridor north of the City.

Water Quality: CBU is continually monitoring and exploring ways to reduce disinfection byproducts. The department is engaged in a project to improve the solids-handling facilities at the Monroe Plant to facilitate more frequent basin cleaning operations. In addition, CBU is evaluating the option of Chlorine Dioxide pre-oxidation to prevent algal growth in the plant and reduce DBP formation.

Advanced Metering Infrastructure: This large initiative will manage the upgrade of water meters to smart meters, giving customers real-time data about water usage. This will help CBU manage leak detection early on and will allow customers to more easily monitor their water consumption.

Sanitary Sewer: CBU will be making investments to expand the sanitary sewer system on the north side of Bloomington in order to accommodate the IU Health Complex. With this investment, CBU also will be investing in future growth in the area and substantially reducing sanitary sewer overflows at the last remaining chronic SSO site.

Stormwater Utility: CBU plans substantial capital investments to the stormwater system, including upgrading the last segment of the Jordan River culvert that flows under downtown Bloomington.

The Water fund request totals \$19,183,855, an increase of 2.6% from 2018; the Sewer fund request totals \$24,182,913, an increase of 3.0%; and the Stormwater fund request totals \$1,547,630, an increase of 1.8%. The total budget request of all funds is \$44,914,398, an overall increase of 2.8%, with expenses balanced to projected revenues.

Capler asked how CBU is considering the long term implications of climate change such as more intense rain events at times and an overall tendency towards drought conditions. She noted this would be taxing on the storm water sewer and create high water demand. Kelson said CBU will continue public education, continual monitoring and adjusting, and projects such as the FOLM proposal heard by the Board this evening which will be added to the budget now that the Board approved the grant funds.

Board member Frank noted that he appreciates how the budget numbers and presentation show where CBU has its emphasis and it helps the public to understand the work CBU does. He says he sees balance between all the different facets: safety, finance, community, each of the three utilities, etc. He gives credit to Pettit for being in her first year and creating a budget that makes a lot of sense and he sees CBU continuing to improve.

OLD BUSINESS: Board member Burnham asked about the collapsed culvert at 700 S Walnut. There is a concern that it is a safety hazard. Kelso replied that a precast lid will be installed; the plans are being completed by CBU Engineering. Bloomington Police Department is aware to keep an eye on the area and CBU has spoken to business owners in the area.

NEW BUSINESS: Capler asked when the Arlington Rd Main Replacement Project was scheduled to begin. Fleig answered that since bids were opened today, work would start in the next few weeks and completion would be in December. Capler is concerned about traffic disruption in another East-West corridor with work on the Bypass, 2nd, 3rd, and Tapp. Capler asked CBU to consider pushing the project back until one of the other projects was completed.

SUBCOMMITTEE REPORTS: None.

STAFF REPORTS: Kelson reported that Adam Throop from MWTP passed the licensing exam. Kelson also reported that over 100 lbs of mercury had been removed from Griffy. Kelson and Hall reported that members of the public were still trying to access the plant daily and that the security measures, including the lights, would be in place until all hazardous materials had been removed. Banach invited CBU to attend the Blue Ridge neighborhood annual meeting to discuss Griffy. Kelson also noted that August is Water Quality month and there would be stores in the HT about water and FOG. Kelson reminded everyone that FOG bags could be picked up for free at the CBU service center. As a follow up to a previous Board question, the next community wide City survey will occur in 2019.

PETITIONS AND COMMUNICATIONS: None.

ADJOURNMENT: Sherman moved to adjourn and the meeting was adjourned at 6:30 p.m.

Julie Roberts, President

Date