



OFFICIAL NOTICE AND AGENDA
of a meeting of a City Board, Commission, Department
Committee, Agency, Corporation, Quasi-Municipal
Corporation, or Sub-unit thereof.

A Meeting of Wausau Water Works Commission will be held in the
Council Chambers, 1st Floor City Hall, Wausau, WI 54403 at 1:30 p.m. on
Monday, May 1st, 2023.

Members: Katie Rosenberg (President), Dawn Herbst, Jim Force, Joe Gehin, John Robinson

AGENDA

1. Approve Minutes of March 28th, 2023 Meeting- Joint Finance.
2. Approve Minutes of April 3rd, 2023 Meeting.
3. Director's Report on Utility Operations
 - Report on Completion of Work by Utility Staff and Their Continued Commitment to Safe Water and Wastewater Treatment for City Residents
 - Report on Projects
 - Update on the 2022 PSC Annual Drinking Water Report
 - Drinking Water Staffing
 - Update on Proposed Changes to the Organizational Chart Previously Presented and Schedule Moving Forward
 - Governor's Visit Update
 - WDNR Interpretation of Wausau Water Utility Being Governed Under the Surface Water Rule Rather Than the Groundwater Rule
 - Wastewater Treatment Facility Construction Update
 - Wastewater Treatment Plant Operation Discharging Quality Effluent
 - Wastewater- Collection System Tech (Sewer Maintainer) Scheduled to Begin Employment
 - Wastewater Plant Operation Tech: 1 Scheduled to Begin, 1 Accepted- Awaiting HR Start Date
 - Wastewater Hiring/Training New Staff Continues to be a challenge
 - Wastewater Project Updates: 48th Ave Interceptor - Sanitary Lift Stations & CIPP Rehabilitation
4. Discussion and Possible Action Accepting a New Water Main Being Installed in Marathon Park.
5. Update on PSC Water Rate Case.
6. Discussion and Possible Action Approving Sole Source Request for Replacement of the Headworks Wastewater Control Panel 100-CP-1.

Adjourn.

**Next meeting scheduled for June 6th at 1:30 P.M.*

Signed by: /s/ Katie Rosenberg, Mayor

Presiding Officer or Designee

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: April 27th, 2023 at 8:30 a.m.

This meeting is being held in person. Members of the public who do not wish to appear in person may view the meeting live over the internet, cable TV, Channel 981, and a video is available in its entirety and can be accessed at <https://tinyurl.com/wausaucitycouncil>. Any person wishing to offer public comment not appearing in person may e-mail gina.vang@ci.wausau.wi.us with "Water Commission Public Comment" in the subject line prior to the meeting start. All public comment, either by email or in person, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Chair.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6622 or ADAServices@ci.wausau.wi.us to discuss your accessibility needs. We ask your request be provided a minimum of 72 hours before the scheduled event or meeting. If a request is made less than 72 hours before the event the City of Wausau will make a good faith effort to accommodate your request.

JOINT FINANCE COMMITTEE & WAUSAU WATER WORKS COMMISSION

Date and Time: Tuesday, March 28, 2023 @ 5:00 pm., Council Chambers

Finance Members Present: Lisa Rasmussen, Michael Martens, Carol Lukens, Sarah Watson, and Doug Diny

WWWC Members Present: Katie Rosenberg, Dawn Herbst, Jim Force, John Robinson

Members Excused: Joe Gehin (WWWC)

Others Present: Maryanne Groat, Anne Jacobson, Eric Lindman, Matt Barnes, Robert Barteck, Jean Frankel, Randy Fifrick, Mary Goede and Gina Vang

In accordance with Chapter 19, Wisc. Statutes, notice of this joint meeting was posted and sent to the Daily Herald in the proper manner. The Wausau Water Works Commission was called to order by Chairperson Katie Rosenberg and The Finance Committee was called to order by Chairperson Lisa Rasmussen.

Update on water rate study.

Brian Roemer, Ehlers, reported the Public Service Commission (PSC) released the Revenue Requirement (RR) on 3/21/23. He explained the PSC took the application for a 64.5% revenue adjustment filed on 12/21/22 and audited the utility's reports on consumption and customer comp readings to confirm the receipt of revenue as well as identified the costs and needs of the system. The PSC determined the revenue adjustment to be 63.04% due to lower rate of return and reduced expense recovery for outside services. He stated this adjustment still provides for adequate income to support the utility's costs. He indicated Ehlers filed the acceptance letter that was due yesterday.

Roemer stated the next steps will be the PSC's Cost of Service and Rate Design where they take those revenue requirements and distribute them across your rates customer classes to ensure those rates are equitable and fair to all. This process typically takes three to four weeks and then there will be a customer notice for Public Hearing where customers can come forth either through the virtual conference the PSC hosts or via web comment or mail. This will take another month to two months, so he estimated the rates being implemented about July 1st.

**Full discussion can be accessed at: <https://www.youtube.com/watch?v=UKDU3wihigw>*

Discussion and possible action regarding interim financing process and schedule for GAC filtration system

Brain Roemer referred to a chart provided by Donohue in terms of their expectations for construction spending.

The chart is in the Committee packet online on page 6, via the link below. :

https://www.ci.wausau.wi.us/Portals/0/Departments/Council/Archives/Standing%20Committees/Finance%20Committee/2023/FINC_WWWC_20230328_Packet.pdf

Roemer indicated they could expect pay requests for this construction period from July 2023 through May 2024. That is the window that interim financing of \$17.5 million would be needed because you are not closing on the State Loan until May 2024. This financing would be Anticipation Notes which are short term debt obligations of the city that are a special obligation, not technically a revenue pledge of the system or a general obligation pledge of the irrevocable tax authority of the city. Basically, it is a pledge that the city will be incurring debt in order to pay back the Anticipation Notes. It will be a 1-year maturity and Ehlers will help the city draft terms with the help of Bond Counsel and present it to the city as well as to potential underwriters. He stated the Anticipation Notes would work no different than regular capital borrowing in that at the point of closing you would receive the monies and be able to earn interest.

Roemer stated these Anticipation Notes can be done on GO or Revenue pledge with a unique structure in that the interest is due at maturity or the takeout of the long-term financing to make interest payment program eligible. They have the ability to draw, but typically underwriters prefer the takeout all at once. It would be a private placement, not a municipal security traded on the open market. He reiterated the city will draft the terms with help of city Bond Counsel and MA and a list of underwriters will be provided for the city to choose from.

The city approves the interim financing sale process and distribution list at the May 8th meeting and sent the Term Sheet to the distribution list on May 9th. Bids will be due by June 8th and the city awards interim financing at the June 12th meeting with the close on June 29th. Donahue and financing team, which includes Ehlers, Bond Counsel, etc., will continue to work with the Safe Drinking Water Fund Program until closure.

John Robinson questioned what the anticipated issuance costs for Ehlers services and Bond Counsel were, the projected interest rate charge to the utility, and ability to invest the funds, which is material to whether it is a draw or up front. Roemer responded they ran scenarios in terms of doing a draw schedule versus all at once. The difference in terms of interest costs was approximately \$180,000 and the interest earnings \$189,000. Dispersing all at once they could cover the costs instead of drawing and not investing. The estimated cost of financing for Ehlers would not be more than \$18,000 and he guessed Bond Counsel would be about the same.

Robinson questioned Maryanne Groat if there were any other financial options that could reduce the transactional costs, such as the State on a short-term basis. Groat stated there were not and that the State Trust Fund Loan is not designed for these kinds of projects.

Finance Committee

Motion by Watson, second by Lukens to accept the process and timeline for interim financing for GAC filtration system and direct staff to continue to work with Ehlers and the water utility to adhere to the schedule. Motion carried 5-0.

Wausau Water Works Commission

Motion by Herbst, second by Robinson to approve the interim financing process and schedule for the GAC filtration system. Motion carried 4-0.

Discussion and possible action on GAC construction schedule and budget modification

Eric Lindman stated they currently have the system designed and is under final review. He indicated they would be ready to bid in the next few weeks and will have it out for 30 – 40 days. Once bids are opened, they will take two to three weeks to review them, go over the costs and schedules, come back for a decision on that bid schedule and when financing is available, they can execute the contract. He anticipated construction beginning in early July. Groat stated the budget modification portion can be brought in May with the financing, so action was not necessary right now.

Adjourn WWWC

Motion by Robinson, second by Herbst to adjourn the Wausau Water Works Commission. Motion carried unanimously. Commission adjourned at 5:40 pm.



Minutes of April 3, 2023

A meeting of the Wausau Water Works Commission was called to order at 1:42 p.m. in City Hall on Monday, April 3rd, 2023. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on March 30, 2023.

Members Present: President Rosenberg, Commissioners Herbst, Robinson, Force-WebEx
Others Present: Eric Lindman, Scott Boers, Ben Brooks, Anne Jacobson, Valerie Swanborg, MaryAnne Groat, Tonia Westphal/ Clark-Dietz, Joe Kafczynski/ BecherHoppe.
Via WebEx: Susan Wojtkiewicz/Donohue, Matthew Bednarski/CDM Smith, Amrou Atassi/CDM Smith.

1) Approve Minutes of March 7th 2023 Meeting.

Robinson motioned to approve minutes. Seconded by Herbst.

Robinson requested correction page 7, Item#8, last paragraph reflect word ratify instead of gratify. Housekeeping error will amend typo. Amended.

Motion carried 3-0.

2) Director's Report on Utility Operations.

Lindman began project updates are for Water and Wastewater with direction where staff was going with updating job descriptions and proposals moving forward for the course of the year.

Robinson questioned final deliverable date for the Drinking Water Treatment Plant.

Lindman replied, submittal was received from the Contractor after this was written. Staff and Engineers have a meeting to go over it. Submittal requested the release of all the money except for \$100k but we were not in favor of that, we still have items that are not fully operational from automation to mechanical. We'll formally respond after we review the full extent of the request is. The contracted completion date set was February 9th, beginning February 10th, there's been liquidated damages assessed each day.

Force questioned landscaping plan for solar field.

Lindman replied we are not working on that side at all.

Herbst questioned the position awaiting human resources and the interviews.

Brooks replied offer has been accepted and waiting on an official hire date from Human Resources for the Wastewater Collection Technician. The Wastewater Plant Operation Technician interviews ended last Friday and we've narrowed it down to 2 applicants for the 2 positions open and just need to make an offer.

Director's Report Placed on File.

3) Discussion and Possible Action Approving a Communication Plan for Private Side Lead Service Line Replacement.

Lindman began Clark-Dietz with help of CDM Smith put together a Lead Service Line

Replacement (LSLR) Plan and it has been submitted to the DNR. For 2023, City Council approved \$500k in ARPA Funds to replace private side lead services along our street reconstruction projects this year. The City's going to contract the work on the private side but we needed to initiate using the communications plan and that's what the presentation/discussion is about today. It's about how we will be going about approaching communication and moving that forward for 2023.

Westphal stated this was a summary and specific information that relates back to the LSLR Plan submitted to DNR but the entire plan remains in draft and waiting for DNR comments.

Atassi w/CDM Smith presented the slides beginning on page 21 of packet.

Westphal capped the ultimate goal was to develop best practices, learn/get homeowner feedback, public feedback so we could pilot this, when the full program launches next year we could work out the kinks along with Frequently Asked Questions (FAQ's). The FAQ's come from other communities, what other people had questions on, one from past projects were restoration requirements and process. This project would gather information to have a robust piece as we move forward over the next number of years. Every year we will learn a little bit more and add to the scope of the project in terms of communications. Atassi also mentioned translating, we talked about Spanish and Hmong and we will be working with Dale at Department of Health Services to help distribute these literature pieces. It would be by design, when your outreach material is put together, the idea is to have something more general in nature for the LSLR Program related to today's program, next year and in addition would have some outreach and FAQs that showed the project this year. This piggybacks from the City's Capital Improvement Projects for Henrietta and 10th Ave as those are already in your pipeline. We are playing catch up to get the communication plan put together and work with the funding made available to replace the private side LSLs. Ideally it would be parallel to work with City Engineering team in advance or while they are working on it. Another thing in terms of public outreach are public meetings that are anticipated probably mid-May one for each of the projects. The Contractors haven't had their pre-construction meeting yet but the schedule could be nailed down a little more once we have that information. There are some gaps in the full scope but what's happening is what are in the FAQ's. We are working with the City Staff to determine what we've used for outreach and entry forms in the past, current and adapting existing templates to add this piece so we don't recreate something already done. There's a lot of technical support happening through GIS and Engineering.

Robinson questioned the timeline/project of Henrietta and 10th? Would we be working with Hawthorn Hills? Schools that are missing in here. County is in same boat as City for new Website. How will we fair with tenants versus landlords? Ultimately, it's the landlord that would give you access for the work. What sort of outreach would we have in planning with Landlord Associations and others?

Lindman replied we are looking at Henrietta and 10th and one block of Grant. We have about 90 or so service lines for 2023.

Westphal replied at City level, GIS Staff has put together list of property owners that would receive mailing and there would be face to face contact with the tenants.

Atassi reiterated we must reach out to both the landlord and tenant. We don't want the homeowner to come back and say why they've altered their home without consent.

Lindman stated we'd have to have permission from both landlord/owner and the tenant who would give us authorization to go in. Robinson did bring up a good point on meeting with the Landlord Association. We've had a couple of people on those projects come up to engineering and ask about lead service lines so that's a good thing because people are aware and taking time to come talk with us.

Robinson encouraged we speak with Wisconsin Institute for Public Policy and Service (WIPPS) as well and we could also help with some of that outreach.

Force stated maybe we could create a task force with this presentation and have members

from the Commission, people from the City/landlords, or members of the Landlord Association and/or Homeowners in areas most likely for replacement to make sure the media is right as they differ from place to place. We get their questions for the FAQ's, questions specific to Wausau. Test media and messages being proposed to see if there are any difference. We haven't had good luck with public meetings. From my view, solar panels public meetings have been unsuccessful. There's also an issue with the school consolidation plan, where the public is complaining they weren't involved with the planning or informed properly. I'd hate to see our lead service line program suffer because of either of those two events. Is a Public meeting the right way to go or other avenues of getting this out and communications of what we should have done or didn't do. We want to be successful and that's the reason behind my comments.

Lindman replied one of the biggest components missing was the continued communication. We'd reach out once and then later reach out again. The continuation of communication and consistency through the project is one big takeaway so far from past years. We hope the plan laid out right now will help us address that, because of the timeline, we are not only providing education generally to the public but at the same time contacting homeowners on these projects. There are a couple things happening at the same time. In future projects, we would have a more general communication and then work into project specifics but in this case, we are doing them in parallel.

Westphal stated the FAQ's are in draft form and should be done in the next week or two but if there are people, we could consult to weigh in on that we do have a bit of time to do that.

Atassi reiterated that the FAQ's can also be delivered in person and/or placed on doorknobs. (video/audio was cutting in/out)

Rosenberg recapped, generally we just heard we are using this as first draft and will iterate overtime and not just dropping off a random sheet of FAQ's, we will be interfacing with folks.

Robinson stated during the day, you'll get only about a 30-40% at home rate. If you are going down Grant St, Henrietta there are a lot of rentals and units. Multi-pronged approach to make sure you are getting as much word out as you can. The new GIS system will help with some of that and engage early with the health department in a strategy from their health educators in how we could communicate with that population. He'd like to see a debrief of the Commission as this is a resource intensive approach, if we could replicate it or if there's best practices, more efficient than others going into the future. Are we looking for a motion to adopt/implement this or just moving ahead with this? Another suggestion encouraged would be to reach out to the local officials in those areas, there are 2 Council members. As well as reach out to corresponding County Board of Sups that would have contacts in those county health perspective.

Lindman replied we will be moving forward with this.

No Action Taken.

4) Discussion on Future Educational Presentations and Policies the Commission Would Like to Consider.

Rosenberg began the topic came from the fact that we have a lot going on. This would entail topics we want to explore in the future but not topics themselves. We'll be keeping a list.

Robinson's topics included:

- 1) What are the regulatory changes known for the lead service lines or near completion that would be affecting both the Water and Wastewater operations? What implication would those have on operation and budgets? Which are required and which are best practices?
- 2) Where are we with studies in terms, lead service lines, corrosion control, in terms of scope of projects, who's involved, deliverables, if it were staged and stepped, what step are we in, what's the next step? Long term obligations.

- 3) Update on what went well with both the facility upgrades. What are the challenges posed by the new facility not anticipated? Are there policies/ramifications going forward that would need commission involvement? Are there supply side issues that change the way we go about budgeting or approaching bidding? Opportunity or challenges or policy changes in context of the Commission?

Force's topics included:

- 1) Are we staying on track with PFAS issues in our system, finding the source of these contaminants post GAC. Monitor PFAS in our Water and Wastewater going forward. Where PFAS is coming from? Example: CA- finding PFAS in Sewer, washing clothes.
- 2) What is the disposition of old Water Plant property?
- 3) Energy efficiency- Johnson Controls discussion last week to consider Solar. Solar at the new Water Plant Site, we must be conscious of energy saving methods and procedures to fulfil both City and County.

Rosenberg stated the national push for lead service line replacement anticipating good news tomorrow to push us and get going for a quick turnaround meeting. Sometimes we have conversations adjacent to this commission, or folks have inside knowledge. Recently DNR was present at our Council meeting to talk about responsible party and maybe it's worth our time to talk about that at the Commission because we know the process is slow and understanding is the best way to reach that.

Robinson stated he would be happy to lead that but DNR's resource is limited. Hopefully we have a speaker at the May 2nd PFAS seminar (Wausau). There are some folks in New York and Milwaukee that may be good resources for us.

Rosenberg stated maybe we could have an educational presentation on our Agenda to get everyone up to speed with folks attending conferences. Understanding where our interests and people lobbying on behalf of utility. We've got a couple of good ideas so that's good.

No Action Taken.

5) Adjourn.

Rosenberg stated our next scheduled meeting is for May 1st, but based on some of the news tomorrow, we might want to have a special meeting scheduled week of the 17th, we are hoping to meet with the Finance Committee.

Force questioned if we were doing rain barrels this Spring?

Lindman replied there has not been any direction to move something forward for the rain barrels. First year we did well, last year not as much participation. If you'd like we can continue to pursue that.

Rosenberg stated we could talk about that at a future meeting.

Robinson motioned to adjourn. Seconded by Herbst

Motion carried 3-0.

Link to view meeting in its entirety: <https://tinyurl.com/wausaucitycouncil>

Gina Vang, Recording Secretary

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MEMORANDUM

TO: President Rosenberg
Commissioner Herbst
Commissioner Force
Commissioner Gehin
Commissioner Robinson

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

SUBJECT: Director's Report – May 2023

1. Report on completion of work by Utility staff and their continued commitment to safe water and wastewater treatment for City Residents.
2. Report on projects.
3. Update on the 2022 PSC Annual Drinking Water Report.
4. Drinking Water Staffing: Two offers have been made to fill two open Facility Technician Positions. One of the offers is an internal candidate which will leave vacant the Distribution/Relief Operator Position. We will begin advertising for this position once the candidate formally accepts the new position as a Facility Technician.
5. Update on proposed changes to the organizational chart previously presented and schedule moving forward.
6. Governor's visit update
7. WDNR Interpretation of Wausau Water Utility Being Governed Under the Surface Water Rule Rather Than the Groundwater Rule- Utility staff has been having discussions with the WDNR related to our current groundwater system being regulated as a surface water treatment system. The utility has a history of positive test results for E. coli and total coliform at Well 11 and the proximity of Well 10 to Well 11 has also been noted as a concern regarding the potential for similar contamination issues arising in the future. The WDNR stated that its policy was to require enhanced treatment satisfying the requirements of s. NR 810.27 (1),

Wis. Adm. Code (Surface Water Treatment) for Well 11 and all wells which are blended with Well 11.

As part of the planning and design of the new facility the City took a proactive approach and has installed enhanced disinfection with the new treatment facility. This enhanced disinfection system was installed anticipating the WDNR would be requiring Wausau to perform well testing in the future to determine if our current groundwater supply system should be classified as a Ground Water Under the Influence of Surface Water (GWUDI). To date our system has not been classified as GWUDI and we should remain under the enforceable standards of a groundwater system. The utility stance is that until the WDNR has reclassified our system as GWUDI our enforcement standards should be changed.

Well 11, as referenced in triggering the need for enhanced disinfection, has been sampled as directed by the WDNR. The following results were reported to the Department.

Date	Cryptosporidium* (oocysts/L)	Giardia* (cysts/L)	Turbidity (NTU)	Temp (°C)	pH	Total Coliform	E. Coli
5/17/2021	< 0.1	< 0.1	1.36	9.3	6.57	Absent**	Absent
6/14/2021	< 0.1	< 0.1	0.24	9.2	6.47	Absent	Absent
7/12/2021	< 0.1	< 0.1	0.26	10.0	6.37	Absent	Absent
8/23/2021	< 0.1	< 0.1	0.25	11.5	6.34	Absent	Absent
9/7/2021	< 0.1	< 0.1	0.34	12.1	6.23	Absent	Absent
10/18/2021	< 0.1	< 0.1	0.57	12.1	6.24	Absent	Absent
11/15/2021	< 0.1	< 0.1	0.43	13.9	6.17	Absent	Absent
12/13/2021	< 0.1	< 0.1	0.32	13.0	6.01	Absent	Absent
1/17/2022	< 0.1	< 0.1	0.31	12.5	5.95	Absent	Absent
2/21/2022	< 0.1	< 0.1	0.35	11.8	6.57	Absent	Absent
3/14/2022	< 0.1	< 0.1	0.41	13.0	6.55	Absent	Absent
4/11/2022	< 0.1	< 0.1	0.25	10.4	6.44	Absent***	Absent
*Analysis by U.S. EPA Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA **Coliform present/E. coli absent on 5/17/2021; Coliform and E. coli absent on 5/19/2021 *** Coliform present/E. coli absent on 4/11/2022; Coliform and E. coli absent on 4/20/2022							

WASTEWATER DIVISION

1. Wastewater Treatment Facility Construction Update: See attached.
2. The Wastewater Treatment Plant continues to operate well and is discharging a quality effluent. Optimization continues throughout the plant. The plants surface water discharge of BOD and TSS has recently been experiencing reportable results of less than Limit of Detections (LOD) results.

3. **Collection System Technician (Sewer Maintainer):** New Collection System Technician is scheduled to begin employment with the utility on May 15, 2023
4. **Wastewater Plant Operations Technician:** One new Wastewater Plant Operations Technician will begin employment at the utility on May 1, 2023, and the other vacant position has been accepted and waiting on a start date from HR.
5. Hiring and training of new staff continues to be a challenge for the utility. After losing almost 60 years of combined experience due to a retirement, a death, etc. the treatment plant is operating with a very small crew making it difficult to schedule vacations, on-call rotation and perform daily task. New hires require in depth knowledge of complex treatment processes and equipment being used and it takes a great amount of time to train to a level that new staff can operate equipment confidently and take the on-call status.
6. 2023 Project updates
 - a) **48th Avenue Interceptor Sewer** – Haas & Sons was awarded the contract. Construction will commence once all permits have been obtained from the Railroads.
 - b) **Sanitary Lift Stations & CIPP (Cured in Place Pipe) Rehabilitation:**
 - Northwestern and Greenwood Hills lift stations are at the 90% completion point. The project bid date is set for April 25, 2023. Construction is scheduled to commence in the Summer and Fall of 2023.
 - Cherry St. lift station is being pushed to 90% completion and will be submitted to City staff for review sometime in April.
 - Crocker St. lift station is on temporary hold until the location of the new station is set.
 - Airport and 32nd Avenue lift stations are reaching the 50% completion point.
 - CIPP Rehabilitation Project: Project specs nearing completion with bidding anticipated to commence at the end of April, beginning of May 2023.



TO: Wausau Waterworks Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: May 1, 2023

SUBJECT: Planning for Future – Staff Accomplishments

I believe there is significant interest and benefit to outline what has and is being accomplished by WWW Staff. Over the past few years there has been some very important and significant planning, problem solving and solution implementation that has set the city up for success and to be on the leading edge of addressing challenges to meet regulations. Without this proper planning and steadfast commitment by utility staff the ability to meet upcoming regulations would not be feasible.

Utility employees have done an incredible job over the past few years setting up WWW and the city for success. Their knowledge and passion for maintaining safe water and wastewater through sharing technical expertise and providing inventive ideas for improvement have set Wausau up for success today and for generations to follow. Their willingness to put in additional time away from their families and activities over the past several years to make sure the utility remains successful has been amazing.

Here is a summary of what has taken place over just the past few years. None of which would have happened without the forward thinking of staff and their ability to find and implement solutions. Staff should be rewarded for their expertise, perseverance, and stamina to maintain the level of work they have been doing for multiple consecutive years to implement these generational changes.

Drinking Water Treatment Facility: The planning for this facility began in 2016. Utility staff spent significant staffing resources planning for these improvements to determine multiple alternatives and ultimately make the recommendation to build a new facility. This was recommended due to many existing compliance issues but to be in a position to meet future regulations. There was some significant public skepticism on this decision, and many stated this project was excessive and unnecessary. Planning for the future and understanding the regulatory landscape was extremely important. Utility staff understood potential future challenges and this was an excellent decision. With PFAS regulations now on the forefront, not only locally but nationwide and globally, Wausau is now set to manage PFAS here in our community and be a leader in our state.

Construction on the facility began summer 2020 and the facility was put online in December 2022. When PFAS regulation discussion began in 2022 and Wausau confirmed PFAS in our treated drinking water above the new DHS recommendations utility staff immediately put together a team of water experts and professionals to prepare a plan for managing PFAS here in Wausau. Within 6-weeks a pilot study was up and running to look at possible treatment

options and determine what level of PFAS management the new facility will provide once it is online. Within 4-months data was analyzed and utility staff made recommendations for a solution to manage PFAS short term and long term. The long-term solution is already designed and out for bid with construction to begin in July 2023, well ahead of any established federal standards.

The new facility not only significantly improves water quality but it is also managing PFAS in our drinking water to a level which allows us to implement a long term PFAS treatment strategy. Without this new facility Wausau would be several years away from being able to manage PFAS. The overall improved water quality provides for increased disinfection, redundancy in treatment process, increased monitoring and automation controls and allows for expansion in the future for future regulations.

Wastewater Treatment Facility: the planning with this project began in 2016. The primary purpose of reviewing this facility was due to the age of portions of the processes, the increased annual maintenance of the facility. Problems with areas of treatment processes and future regulations. The facility plan laid out an extensive upgrade to the facility that would allow operations to continue, maintain compliance measures while improving processes, creating redundancy, considerations for nutrient removal trading internally, improved biosolids management, improving overall discharge quality, energy savings, increased automation and being able to meet future regulations.

Construction on the facility began in summer 2020 and is scheduled to be fully complete in June 2023. Since construction began there has been new standards put in place for PFAS to point source dischargers which may impact the wastewater utility with the issuance of the next discharge permit. Nutrient removal requirements have become more stringent and the treatment facility is now able to meet lower limits due to these upgrades. The new treatment system went from a Class B bio-solid to Class A bio-solid; this not only reduces volume and weight by 85% but also reduces regulations as it is a safer product for land application. Class A bio-solids is also a product that is much more useful in many more diverse areas giving the utility much more flexibility for overall uses. Improvements were made to increase use of the bio-gas and store additional bio-gas to offset energy costs now and into the future.

The above summaries are only for two projects that have been undertaken over the past few years. In addition, sewer mains had been slip lined, lift stations are being designed for upgrades, siphon lines for river crossings have been and are being schedule for replacement, water storage tanks have been coated, booster stations have been upgraded, water and sewer mains are being replaced annually, LSL's are being replaced, water meters are being maintained and changed out, software is being updated for billing, water mains are flushed, gate valves are exercised, sewer mains are televised, sewer mains are flushed, and many other projects are being completed to maintain the system, keep compliance with regulations and most importantly provide safe services for public health and safety to the residents.

Staff is the most important asset the utility has and we are losing staff through retirements and non-competitive pay. Staff has come up with organizational changes to retain our current staff remaining and recruit staff for replacement. We are working on these changes and will be presenting these with the 2024 budget.

Over the past few years staff has been nothing short of incredible. Everything that has been accomplished is due to their dedication, expertise and knowledge. Wausau is in an amazing position to move forward because of the work they have done. I commend all Wausau Water Works staff for their dedication to the job, performance of their work and the high level of expectations they hold.



TO: Wausau Waterworks Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: May 1, 2023

SUBJECT: Projects Update

Drinking Water Treatment Facility

1. Project is currently scheduled for Final Completion June 1, 2023
2. Current pay request is to release all but \$500,000
3. Project is currently at 95% complete
4. Project remains within budget

LSL Replacement Pilot Program 2023

1. FAQ's and education materials scheduled to be released to the public early May
2. Contact with homeowners to begin Mid-May
3. Two public meetings will be held in May to receive public input and allow people to sign up for the program.
4. Bidding of the work to begin in late May with bid opening in June
5. LSL's to begin replacement, estimated in July 2023

Corrosion Control Treatment Study

1. Lead line loop skids are currently being ordered, waiting on delivery date
2. Once skids are delivered and in place utility staff will harvest lead lines and install them
3. Once the harvested lead is installed, water will be run through the lines to "season" them and different corrosion inhibitors will be used to begin taking samples for the study
4. Study needs to be completed December 2024

GAC Project

1. Project is fully designed
2. Project is currently being bid
3. Bidder prequalification May 9, 2023
4. Bid opening scheduled June 5, 2023
5. Construction begin July 2023

Lift Station Design and upgrades

1. Greenwood Hills and NW LS's currently out for bid
2. Construction to be complete December 2023

Headworks Screening Improvement Project

1. Project was originally bid with the WWTF project as an alternate, due to cost did not move forward
2. City approved ARPA funding for the project; also applying for DNR principle forgiveness
3. Project is currently undergoing design revisions
4. Project will be bid for 2024 construction

Washington St Siphon Replacement

1. Project currently under design alternatives
2. Some of this project may be completed early summer to accommodate the chamber of commerce new location and the Clark Island building

Solar Energy Generation Initiative

1. The first Solar Task Force meeting was held in April
2. The next meeting is scheduled for May 10 as of now

Asset Management Software & Implementation

1. This was budgeted for in 2023
2. Originally the W&S utility was going to move on this and put an RFP out last fall
3. The County changed what they were going to do and now this project is being lead by the CCITC
4. CCITC will be preparing an RFP for this by fall of 2023
5. The utility is the priority to get this software purchased so we can begin implementing the assets for the two treatment facilities asap.

Stewart Ave Force Main, Sewer Interceptor & Water Main Replacement/Improvements

1. Street portion of this project is being partially funded by the DOT
2. All W&S work is being funded by the TID
3. The Interceptor work near 48th Ave and in the RR corridor will be completed this year. This interceptor design work has been over 2-years due to delays and permitting with the RR
4. The remainder of the work for Stewart Ave will be completed in 2024

The above projects are the more significant projects we are working on to get out for bid. There are other projects and I will periodically be updating this list for the commission as an ongoing director report item. If any commission members want any information on specific items or other projects feel free to reach out anytime and I can certainly add them.

I am hopeful this helpful and informative.



**WATER, ELECTRIC, OR JOINT UTILITY
ANNUAL REPORT**

OF

WAUSAU WATER UTILITY

407 GRANT ST
WAUSAU, WI 54403-4737

For the Year Ended: DECEMBER 31, 2022

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. §196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. §196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than \$25 nor more than \$5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

Water Service Started Date: 01/01/1885

DNR Public Water System ID: 73701023

Safe Drinking Water Information System (SDWIS) Total Population Served: 39106

I **Eric Lindman, Director of Public Works and Utilities of WAUSAU WATER UTILITY**, certify that I am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

Date Signed: **4/21/2023**

Income Statement

Description (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			1
Operating Revenues (400)	7,547,215	7,687,942	2
Operating Expenses:			3
Operation and Maintenance Expense (401-402)	3,610,080	3,508,615	4
Depreciation Expense (403)	1,117,058	928,633	5
Amortization Expense (404-407)	0	0	6
Taxes (408)	1,360,552	1,590,580	7
Total Operating Expenses	6,087,690	6,027,828	8
Net Operating Income	1,459,525	1,660,114	9
Income from Utility Plant Leased to Others (412-413)			10
Utility Operating Income	1,459,525	1,660,114	11
OTHER INCOME			12
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	13
Income from Nonutility Operations (417)	153,254	672	14
Nonoperating Rental Income (418)			15
Interest and Dividend Income (419)	36,416	657	16
Miscellaneous Nonoperating Income (421)	1,396,161	1,997	17
Total Other Income	1,585,831	3,326	18
Total Income	3,045,356	1,663,440	19
MISCELLANEOUS INCOME DEDUCTIONS			20
Miscellaneous Amortization (425)	(109,599)	(109,599)	21
Other Income Deductions (426)	322,702	310,449	22
Total Miscellaneous Income Deductions	213,103	200,850	23
Income Before Interest Charges	2,832,253	1,462,590	24
INTEREST CHARGES			25
Interest on Long-Term Debt (427)	832,599	573,672	26
Amortization of Debt Discount and Expense (428)	800		27
Amortization of Premium on Debt--Cr. (429)	28,046	26,895	28
Interest on Debt to Municipality (430)	0	0	29
Other Interest Expense (431)	0	0	30
Interest Charged to Construction--Cr. (432)			31
Total Interest Charges	805,353	546,777	32
Net Income	2,026,900	915,813	33
EARNED SURPLUS			34
Unappropriated Earned Surplus (Beginning of Year) (216)	37,785,578	36,869,765	35
Balance Transferred from Income (433)	2,026,900	915,813	36
Miscellaneous Credits to Surplus (434)			37
Miscellaneous Debits to Surplus--Debit (435)			38
Appropriations of Surplus--Debit (436)			39
Appropriations of Income to Municipal Funds--Debit (439)			40
Total Unappropriated Earned Surplus End of Year (216)	39,812,478	37,785,578	41

Balance Sheet

Assets and Othe Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
ASSESTS AND OTHER DEBITS			1
UTILITY PLANT			2
Utility Plant (101)	102,106,881	102,853,162	3
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111)	18,179,946	24,272,272	4
Utility Plant Acquisition Adjustments (117-118)	0	0	5
Other Utility Plant Adjustments (119)	0	0	6
Net Utility Plant	83,926,935	78,580,890	7
OTHER PROPERTY AND INVESTMENTS			8
Nonutility Property (121)	916,011	0	9
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	0	0	10
Investment in Municipality (123)	0	0	11
Other Investments (124)	0	0	12
Sinking Funds (125)	2,539,781	1,484,653	13
Depreciation Fund (126)	0	0	14
Other Special Funds (128)	0	0	15
Total Other Property and Investments	3,455,792	1,484,653	16
CURRENT AND ACCRUED ASSETS			17
Cash (131)	923,008	1,635,577	18
Special Deposits (134)	0	0	19
Working Funds (135)	0	0	20
Temporary Cash Investments (136)	0	0	21
Notes Receivable (141)	0	0	22
Customer Accounts Receivable (142)	1,956,632	2,013,737	23
Other Accounts Receivable (143)	0	0	24
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	35,400	35,400	25
Receivables from Municipality (145)	0	0	26
Plant Materials and Operating Supplies (154)	540,885	303,437	27
Merchandise (155)	0	0	28
Other Materials and Supplies (156)	0	0	29
Stores Expense (163)	0	0	30
Prepayments (165)	0	0	31
Interest and Dividends Receivable (171)	0	0	32
Accrued Utility Revenues (173)	0	0	33
Miscellaneous Current and Accrued Assets (174)	1,126,876	1,126,876	34
Total Current and Accrued Assets	4,512,001	5,044,227	35
DEFERRED DEBITS			36
Unamortized Debt Discount and Expense (181)	0	0	37
Extraordinary Property Losses (182)	0	0	38
Preliminary Survey and Investigation Charges (183)	0	0	39
Clearing Accounts (184)	0	0	40
Temporary Facilities (185)	0	0	41
Miscellaneous Deferred Debits (186)	112,011	112,011	42
Total Deferred Debits	112,011	112,011	43
TOTAL ASSETS AND OTHER DEBITS	92,006,739	85,221,781	44

Balance Sheet

Liabilities and Othe Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
LIABILITIES AND OTHER CREDITS			1
PROPRIETARY CAPITAL			2
Capital Paid in by Municipality (200)	1,927,200	1,927,200	3
Appropriated Earned Surplus (215)	0	0	4
Unappropriated Earned Surplus (216)	39,812,478	37,785,578	5
Total Proprietary Capital	41,739,678	39,712,778	6
LONG-TERM DEBT			7
Bonds (221)	5,430,000	5,915,000	8
Advances from Municipality (223)	0	0	9
Other Long-Term Debt (224)	41,165,843	33,411,559	10
Total Long-Term Debt	46,595,843	39,326,559	11
CURRENT AND ACCRUED LIABILITIES			12
Notes Payable (231)	0	0	13
Accounts Payable (232)	115,998	190,908	14
Payables to Municipality (233)	0	0	15
Customer Deposits (235)	0	0	16
Taxes Accrued (236)	0	0	17
Interest Accrued (237)	149,543	131,210	18
Tax Collections Payable (241)	0	0	19
Miscellaneous Current and Accrued Liabilities (242)	3,003,582	5,320,586	20
Total Current and Accrued Liabilities	3,269,123	5,642,704	21
DEFERRED CREDITS			22
Unamortized Premium on Debt (251)	292,495	320,541	23
Customer Advances for Construction (252)	0	0	24
Other Deferred Credits (253)	109,600	219,199	25
Total Deferred Credits	402,095	539,740	26
OPERATING RESERVES			27
Property Insurance Reserve (261)	0	0	28
Injuries and Damages Reserve (262)	0	0	29
Pensions and Benefits Reserve (263)	0	0	30
Miscellaneous Operating Reserves (265)	0	0	31
Total Operating Reserves	0	0	32
TOTAL LIABILITIES AND OTHER CREDITS	92,006,739	85,221,781	33

Return on Rate Base Computation

- Ç The data used in calculating rate base are averages.
- Ç Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
- Ç For municipal utilities, do not include contributed plant in service, property held for future use, or construction work in progress with utility plant in service. These are not rate base components.
- Ç For private utilities, do not include property held for future use, or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Add Average						1
Utility Plant in Service (101.1)	62,944,239				62,944,239	2
Materials and Supplies	422,161				422,161	3
Less Average						4
Reserve for Depreciation (111.1)	14,830,371				14,830,371	5
Customer Advances for Construction	0				0	6
Regulatory Liability	164,399				164,399	7
Average Net Rate Base	48,371,630	0	0	0	48,371,630	8
Net Operating Income	1,459,525				1,459,525	9
Net Operating Income as a percent of Average Net Rate Base	3.02%	N/A	N/A	N/A	3.02%	10

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

New Water Treatment Plant put in service December 20, 2022. Old Water Treatment Plant was taken out of service.

2. Leaseholder changes

3. Extensions of service

4. Estimated changes in revenues due to rate changes

Application for water rate increase submitted to PSC in 2022 for 2023 increase.

5. Obligations incurred or assumed, excluding commercial paper

6. Formal proceedings with the Public Service Commission

7. Any additional matters

Water Operating Revenues & Expenses

Description (a)	This Year (b)	Last Year (c)	
Operating Revenues - Sales of Water			1
Sales of Water (460-467)	7,340,158	7,437,499	2
Total Sales of Water	7,340,158	7,437,499	3
Other Operating Revenues			4
Forfeited Discounts (470)	82,733	92,438	5
Rents from Water Property (472)	68,090	69,500	6
Interdepartmental Rents (473)	0	0	7
Other Water Revenues (474)	56,234	88,505	8
Total Other Operating Revenues	207,057	250,443	9
Total Operating Revenues	7,547,215	7,687,942	10
Operation and Maintenance Expenses			11
Source of Supply Expense (600-617)	0	0	12
Pumping Expenses (620-633)	611,442	579,131	13
Water Treatment Expenses (640-652)	795,627	548,662	14
Transmission and Distribution Expenses (660-678)	1,226,036	1,459,478	15
Customer Accounts Expenses (901-906)	221,234	195,998	16
Sales Expenses (910)	0	0	17
Administrative and General Expenses (920-932)	755,741	725,346	18
Total Operation and Maintenance Expenses	3,610,080	3,508,615	19
Other Operating Expenses			20
Depreciation Expense (403)	1,117,058	928,633	21
Amortization Expense (404-407)	0	0	22
Taxes (408)	1,360,552	1,590,580	23
Total Other Operating Expenses	2,477,610	2,519,213	24
Total Operating Expenses	6,087,690	6,027,828	25
NET OPERATING INCOME	1,459,525	1,660,114	26

Water Audit and Other Statistics

- Ç Where possible, report actual metered values. If water uses are not metered, estimate values for each line based on best available information. For assistance, refer to AWWA M36 Manual ñ Water Audits and Loss Control Programs.
- Ç For unbilled, unmetered gallons (line 16), include water used for system operation and maintenance and water used for non-regulated sewer utility.
- Ç If gallons estimated due to theft, data, and billing errors is unknown, multiply net gallons entering distribution system (line 3) by .0025.

Description (a)	Value (b)	
WATER AUDIT STATISTICS		1
Finished Water pumped or purchased (000s)	1,490,588	2
Less: Gallons (000s) sold to wholesale customers (exported water)	0	3
Subtotal: Net gallons (000s) entering distribution system	1,490,588	4
Less: Gallons (000s) sold to retail customers (billed, metered)	1172526	6
Less: Gallons (000s) sold to retail customers (billed, unmetered)	0	7
Gallons (000s) of Non-Revenue Water	318,062	8
Gallons (000s) of unbilled-metered (including customer use to prevent freezing)	37,941	9
Gallons (000s) of unbilled-unmetered (including unmetered flushing, fire protection)	177,266	10
Subtotal: Unbilled Authorized Consumption	215,207	11
Total Water Loss	102,855	12
Gallons (000s) estimated due to unauthorized consumption (includes theft) default option	3726	14
Gallons (000s) estimated due to data and billing errors	3726	15
Gallons (000s) estimated due to customer meter under-registration	3,726	16
Subtotal Apparent Losses	11,178	17
Gallons (000s) estimated due to reported leakage (mains, services, hydrants, overflows)	36,093	18
Gallons (000s) estimated due to unreported and background leakage	55,584	19
Subtotal Real Losses (leakage)	91,677	20
Non-Revenue Water as percentage of net water supplied	21%	21
Total Water Loss as percentage of net water supplied	7%	22
OTHER STATISTICS		23
Maximum gallons (000s) pumped by all methods in any one day during reporting year	6,420	24
Date of maximum	07/17/2022	25
Cause of maximum		26
Summer Hot Weather		27
Minimum gallons (000s) pumped by all methods in any one day during reporting year	2,211	28
Date of minimum	04/30/2022	29
Total KWH used by the utility (including pumping, treatment facilities and other utility operations)	3,069,570	30
If water is purchased:		31
Vendor Name		32
Point of Delivery		33
Source of purchased water		34
Vendor Name (2)		35
Point of Delivery (2)		36
Source of purchased water (2)		37
Vendor Name (3)		38
Point of Delivery (3)		39
Source of purchased water (3)		40
Number of main breaks repaired this year	2	41
Number of service breaks repaired this year	18	42
Does the utility have an asset management plan?	No	43

Water Customers Served

- Ç List the number of customer accounts in each municipality for which your utility provides retail general service. Do not include wholesale customers or fire protection accounts.
- Ç Per Wisconsin state statute, a city, village, town or sanitary district owning water plant or equipment may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located ~~o~~Within Muni Boundary~~o~~ refers to those located inside the jurisdiction that owns the water utility.

Municipality (a)	Customers End of Year (b)	
Wausau (City) **	16,899	1
Total - Marathon County	16,899	2
Total - Customers Served	16,899	3
Total - Within Muni Boundary **	16,899	4

** = Within municipal boundary

WAUUAU WATER WORKS
Water Utility Revenue Summary*
Five Years 2018-2022

Rev Cat Statistics	2018	2019	2020	2021	2022
Residential					
Amount	\$ 2,494,635	\$ 2,513,262	\$ 3,023,559	\$ 3,387,247	\$ 3,340,923
Qty (1000 Gal)	523,981	521,402	541,933	520,648	505,611
Ave. No. Cust	14,215	14,146	14,112	14,638	14,656
Commercial					
Amount	\$ 916,363	\$ 891,905	\$ 868,010	\$ 953,774	\$ 1,005,308
Qty (1000 Gal)	271,707	270,036	216,472	207,494	207,346
Ave. No. Cust**	1,372	1,346	1,279	1,311	1,335
Industrial					
Amount	\$ 585,391	\$ 676,388	\$ 728,938	\$ 845,146	\$ 809,511
Qty (1000 Gal)	245,731	254,307	251,855	281,198	241,321
Ave. No. Cust	91	85	85	87	88
Public Authority					
Amount	\$ 249,092	\$ 237,609	\$ 218,885	\$ 262,512	\$ 277,879
Qty (1000 Gal)	87,214	82,380	50,782	69,161	84,688
Ave. No. Cust	135	112	105	106	110
Multifamily Residtl					
Amount	\$ 145,600	\$ 114,289	\$ 249,801	\$ 412,712	\$ 376,039
Qty (1000 Gal)	44,867	31,472	60,394	85,202	82,698
Ave. No. Cust**	140	136	186	243	249
Irrigation					
Amount	\$ 328,716	\$ 251,378	\$ 292,212	\$ 391,523	\$ 359,267
Qty (1000 Gal)	67,197	50,543	47,880	56,413	50,862
Ave. No. Cust	368	379	392	448	461
Total All Revenue					
Amount	\$ 4,719,797	\$ 4,684,831	\$ 5,381,405	\$ 6,252,914	\$ 6,168,927
Qty (1000 Gal)	1,240,697	1,210,140	1,169,316	1,220,116	1,172,526
Ave. No. Cust	16,321	16,204	16,159	16,833	16,899
 \$ Ave. / 1000 Gal	 \$ 3.80	 \$ 3.87	 \$ 4.60	 \$ 5.12	 \$ 5.26

Notes

* As reported in PSC Reports W-02

** Multifamily Accounts reclassified in 2020 & 2021 from Commercial to align with PSC definitions

WAUUAU WATER WORKS
Water Utility Loss Statistics Summary*
Five Years 2018-2022

WT Loss Description	2018	2019	2020	2021	2022
Net gallons pumped/entering distribution	1,492,795	1,561,949	1,334,848	1,448,503	1,490,588
Less gallons sold	(1,240,697)	(1,210,140)	(1,243,637)	(1,220,116)	(1,172,526)
Total Gallons non-revenue	252,098	351,809	91,211	228,387	318,062
Gallons unbilled metered	2,422	1,105	1,248	12,146	37,941
Gallons unbilled unmetered	220,955	237,752	79,410	55,315	177,266
Subtotal: Unbilled Authorized Consumptn	223,377	238,857	80,658	67,461	215,207
Total Water Loss	28,721	112,952	10,553	160,926	102,855
Estimated Apparent Losses (theft & admin)	6,932	11,775	10,077	10,884	11,178
Estimated Real Losses (breaks. leakage)	21,756	101,177	476	150,042	91,677
	28,688	112,952	10,553	160,926	102,855
Non-revenue water % of net water supplied	17%	23%	7%	16%	21%
Total Water Loss % of net water supplied	2%	7%	1%	11%	7%

Notes

* As reported in PSC Reports W-15

WAUUAU WATER WORKS
Water Pumped 1000 Gal Summary*
Five Years 2018-2022

Month	2018	2019	2020	2021	2022
January	112,627	119,599	103,158	109,893	113,465
February	103,388	139,124	101,237	102,866	102,483
March	112,521	164,040	103,756	113,982	115,007
April	106,543	133,430	90,511	104,157	109,470
May	132,404	132,270	108,271	120,458	128,460
June	147,740	140,832	123,656	148,764	146,377
July	176,269	160,404	143,519	150,933	160,678
August	160,313	158,225	145,785	143,823	149,882
September	137,950	119,713	122,626	129,930	136,618
October	113,232	100,706	104,911	117,909	123,007
November	94,562	97,448	94,738	97,568	107,269
December	102,661	104,254	101,332	110,781	97,872
Total 1000 Gal	1,500,210	1,570,045	1,343,500	1,451,064	1,490,588

Notes

* As reported in PSC Reports W-14



TO: Wausau Waterworks Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: May 1, 2023

SUBJECT: Update – Organizational Changes & Position Updates

The current approved staffing positions and the proposed staffing levels based on the Baker Tilly Study.

Current Number of Employees

Water Utility – 19 Positions

Sewer Utility – 14 Positions

Proposed Number of Employees

Water Utility – 22 Positions

Sewer Utility – 19 Positions

Staff has begun to work on position description changes as proposed in the Organizational Chart. Changes to the job descriptions will be presented to HR for their review and any needed classification changes. Changes will be presented to the HR Committee as needed and then brought to the Commission with the 2024 necessary budget changes.

One of the primary focuses for the position descriptions is to allow progression/advancement based on competencies rather than just time. These competencies will have a positive monetary impact for the employee which will most likely incentivize them to pursue advancement.

One other focus we will be considering the method for paying OT. Currently if an employee takes vacation/sick time/personal day/comp time etc. during the day this does not count as work time and the employee will have to be physically at work for 8-hours before being able to get paid OT. One of the challenges with this is the need for public health and safety. These employees have OT over 8-hours because they are our front line to ensure public health and safety if there are issues with our sanitary or drinking water system. Employees working outside of their regular schedule on an emergency should be paid OT.



TO: Wausau Waterworks Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: May 1, 2023

SUBJECT: Update – Governor’s Visit April 21, 2023

Governor Evers visited Wausau for Earth Day. One of his stops was to tour and learn about the new DWTF. The visit lasted about 40 minutes. The Governor toured the 1st and 2nd floor of the treatment facility and was generally impressed that Wausau was able to construct a brand-new facility. The Mayor and I walked him around and he had many questions about costs, what the challenges are we face day to day, our staffing levels and needs, the treatment processes and how they work, PFAS strategies currently in place and what we are doing next.

The Mayor was able to speak with him about funding and request additional funding to try and assist us with our initiatives moving forward. We expressed to him how far ahead of other communities we are on managing PFAS and he acknowledged that effort. We discussed the next initiative is to remove LSL’s and funding for this needs to be a priority as it is a large task to take on for a community our size and that our residents have already felt a large rate increase due to these new regulations with PFAS.

The Governor was very receptive to our requests and seemed to enjoy the tour.

Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 5, 2023 – April 8, 2023

Invoice 70

Engineer Activities This Period

- Construction administration services related to technical review of contractor shop drawings, responding to contract interpretation questions (RFIs), initiating requests for proposals (RFPs), attending random construction progress meetings, processing work changes to the contract, and contractor monthly payment requests.
- Prepared and submitted Clean Water Fund disbursement request and provided CWF administration.
- Prepared Work Change Directives to address unforeseen work that needed to be expedited to allow the Contractor to maintain their construction scheduled progress.
- The Engineer's application engineering staff working on fine tuning the various systems as unit process systems are being operated.
- In process of developing Change Orders 26 to Contractor for review.
- Preparing final Certificates of Substantial Completion for issue for those process systems that the Owner has begun to operate.
- Continued to address punch list items including the following areas of focus: boilers, disc filters and dryer.
- Continued to assist Owner with WDNR Class A biosolids approval.

Engineer Near-Term Activities

- As the project proceeds, the engineer will continue to provide construction administration services including responding to RFIs, preparing WCDs, attending random construction progress meetings, processing near final change orders, reviewing contractor payment requests, and providing on-site resident engineering services.
- Application Engineering programming to fine tune operations.
- Review punch list items as completed.
- Perform final site walk thru with WDNR.

Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

City of Wausau, Wisconsin

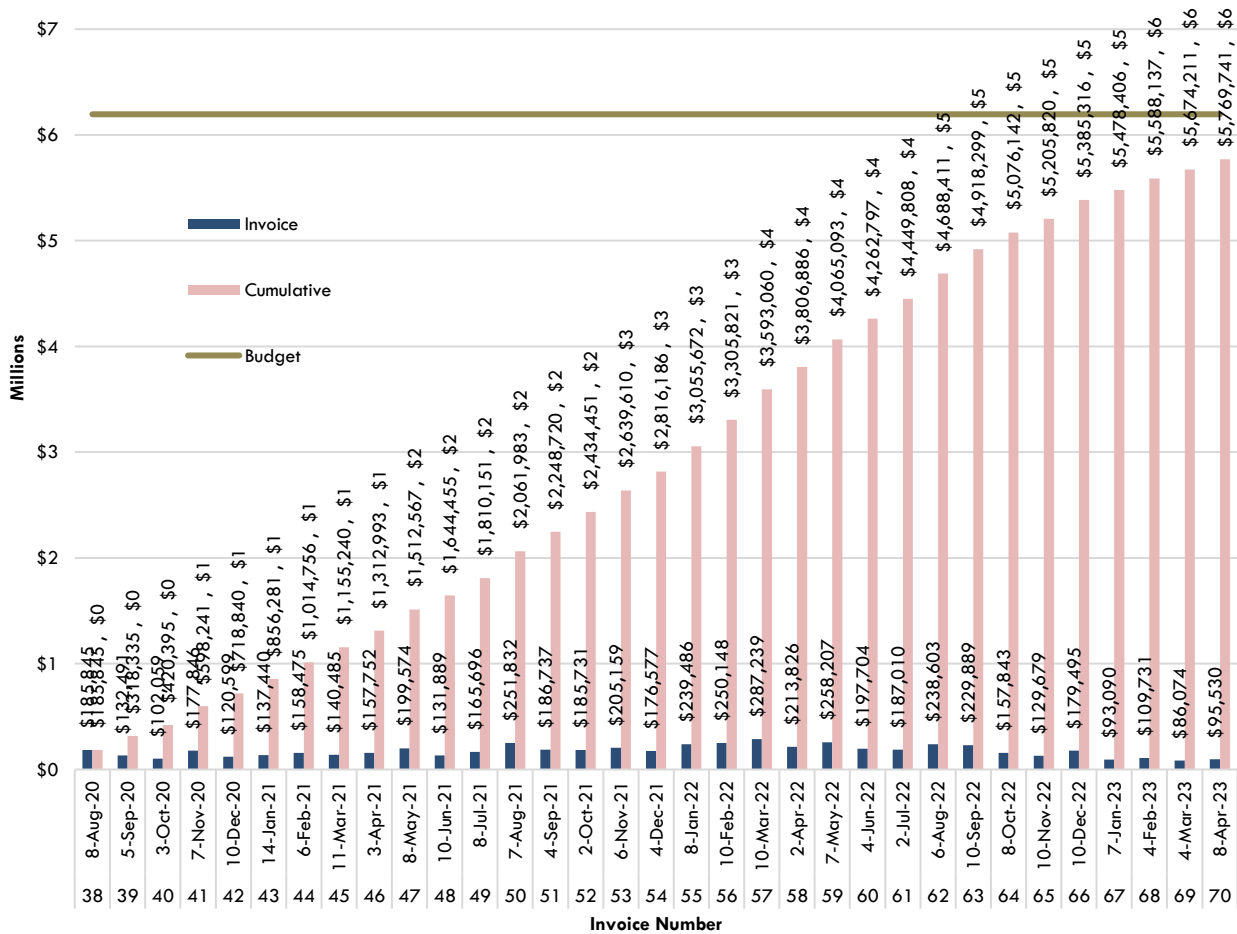
Donohue Project Number 13229

Period | March 5, 2023 – April 8, 2023

Invoice 70

Project Related Budget Snapshot

Construction Engineering Budget



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

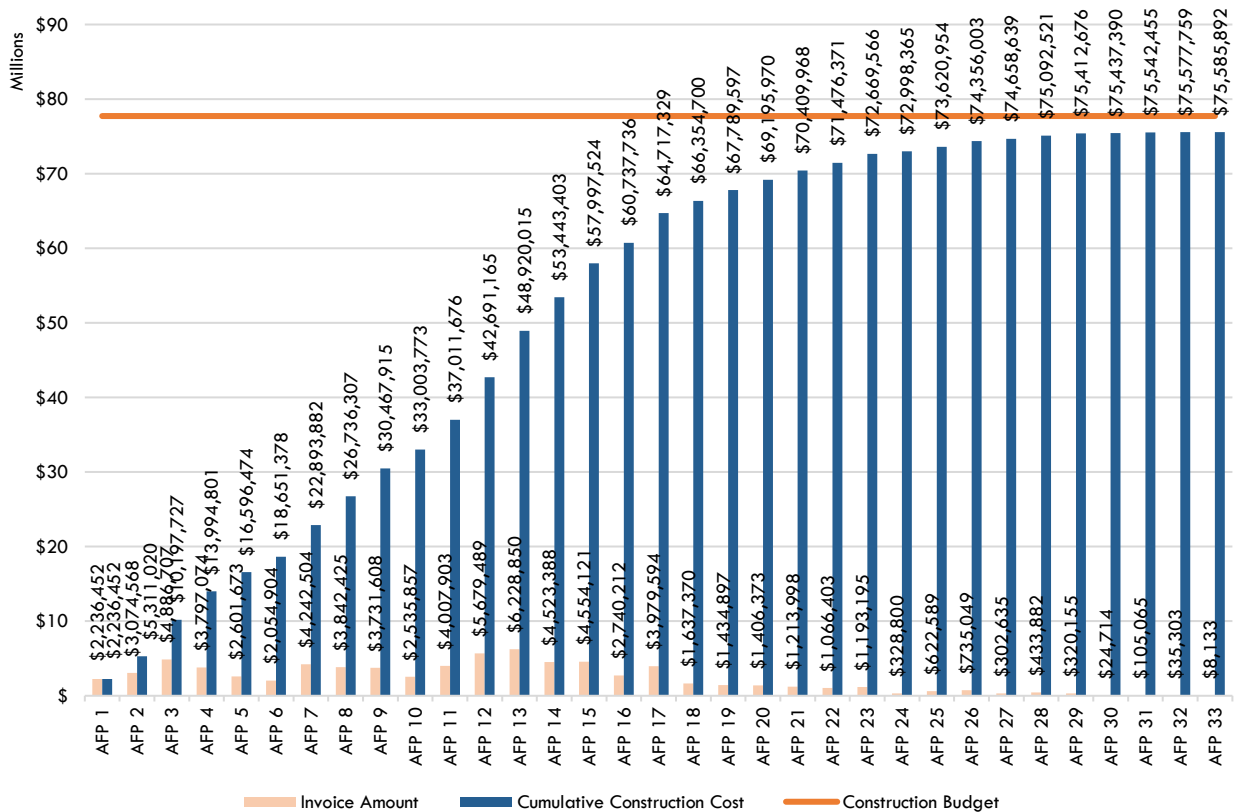
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 5, 2023 – April 8, 2023

Invoice 70

Construction Budget: Pay Applications Approved by Engineer



Project Status Report



Wastewater Treatment Facility Improvements Project – Engineer During Construction

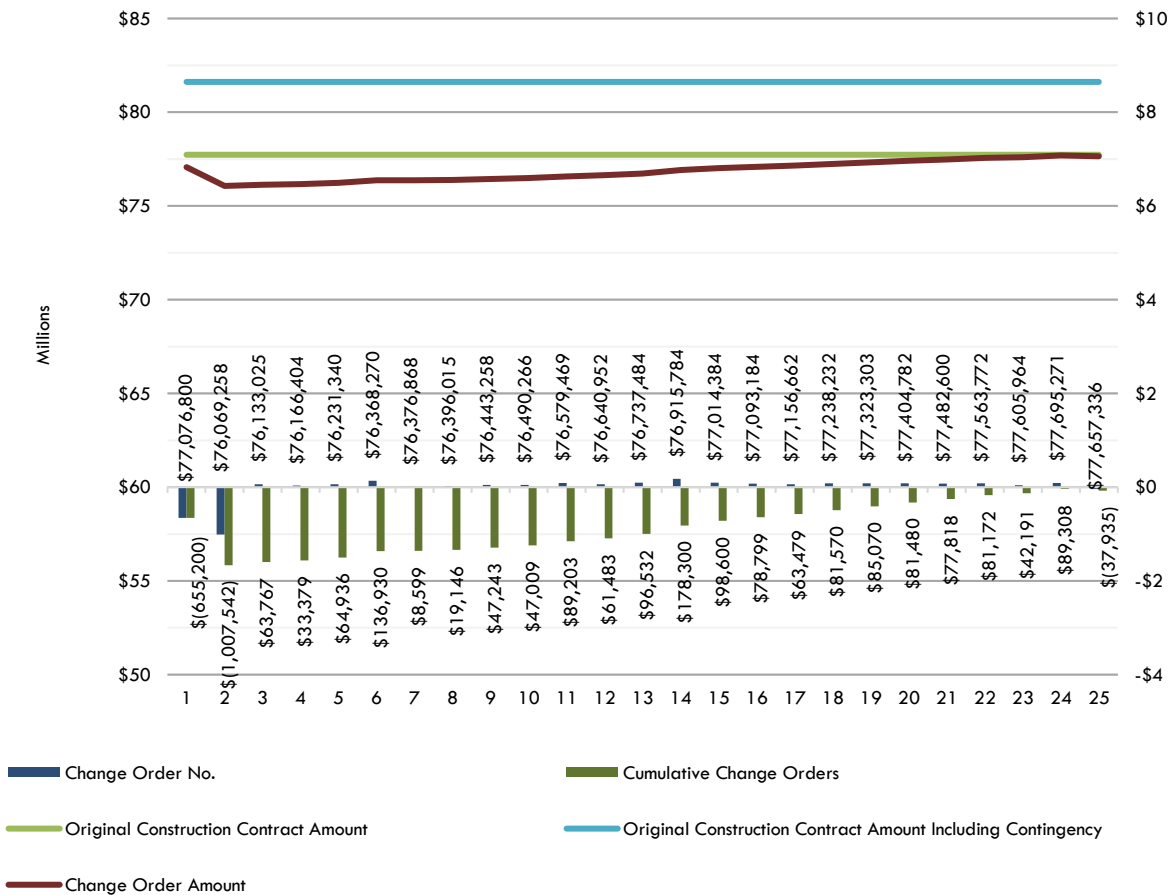
City of Wausau, Wisconsin

Donohue Project Number 13229

Period | March 5, 2023 – April 8, 2023

Invoice 70

Overall Project Budget



Budget Notes:

1. No budget issues at this time.

Remarks

1. Construction is very nearly complete; therefore, construction photographs are no longer beneficial to document project progress.

INVOICE



3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
www.donohue-associates.com

Invoice To:

City of Wausau
Attn: Ben Brooks
407 Grant Street
Wausau, WI 54403

Invoice Date:

April 13, 2023

Donohue Project No.:

13229

Invoice No:

13229-70

Project Manager:

Mike Gerbitz

Terms:

Net 30 Days

Billing Period:

03/05/23 - 04/08/23

Project Description: Wastewater Facilities Plan & Design

Your Authorization: Engineering Services Agreement, Signed 03/29/17
Amendment No. 1, Signed 06/28/18
Amendment No. 2, Signed 03/05/19
Amendment No. 3, Signed 01/27/20
Amendment No. 4, Signed 05/07/20
Permit Review Fees Payment Request, 02/27/20

Compensation:	Time and Expense	\$	129,220.00
	Time and Expense	\$	984,565.00
	Time and Expense	\$	3,323,900.00
	Time and Expense	\$	4,351,831.00
	Time and Expense	\$	1,843,325.00
	Permit Review Fees	\$	12,534.50
	Total	\$	10,645,375.50

Billing Summary:	Total Charges to Date	\$	10,220,976.25
	Charges Previously Billed	\$	10,124,446.54
	Current Charges	\$	96,529.71

Summary of Current Charges

Labor (500.0 hours)	\$	91,627.50
Reimbursable Expenses	\$	3,876.21
Permit Review Fees	\$	-
Subconsultants	\$	1,026.00
Total	\$	96,529.71

Current Charges Due	\$	96,529.71
----------------------------	-----------	------------------

Please Remit to:

Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

<u>Aged Receivables</u>				
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>>120 days</u>
\$96,529.71	\$86,074.24	\$6,020.00	\$0.00	\$0.00

Dept. of Public Works & Utilities



Eric Lindman, P.E.
Director of Public Works & Utilities

TO: Wausau Water Works Commission

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: May 1, 2023

SUBJECT: Water Main Acceptance – Marathon Park City of Wausau

The Marathon County Parks Department will be replacing their existing dead end water main in the park with a new ductile iron water main in 2023. The water main will be looped, it will be tied in to the existing water mains along Stewart Ave and Garfield Ave. Looping this water main will be a benefit for the city system as a whole and will also mitigate stagnant water in Marathon Park during low usage.

The existing water main is a private water line and if it the new water main were to remain private it would require the installation of check valves on the line at each connection point to the city water main. Check valves are maintenance intensive and if they fail could compromise the city system. It is the recommendation of the utility staff to take responsibility for the maintenance of this water main once it is installed. The water main will be built to city specifications and proper easements will be approved in order for the utility to properly maintain the new line.

Staff recommends accepting responsibility of this water main to include maintenance and operation.



PUBLIC NOTICE TO ALL CUSTOMERS OF THE WAUSAU WATER UTILITY

PUBLISH DATE: May 1, 2023

The Wausau Water Utility filed an application with the Public Service Commission of Wisconsin (PSCW) to increase water rates. The increase is necessary due to a 56.50 percent increase in gross plant investment and a 40.60 percent increase in operating expenses since the last water rate case was completed in 2020.

The total increase in water revenues requested is \$4,737,469 which will result in an estimated overall rate increase of 64.31 percent over the water utility's present revenues. If the request is granted, the water bill for an average residential customer with a $\frac{5}{8}$ -inch or $\frac{3}{4}$ -inch meter who uses 1,200 cubic feet of water per quarter will increase from \$72.87 to \$112.23, or 54.01 percent, including the public fire protection charge.

A public hearing on the application has been scheduled for Thursday, May 18, 2023 at 3:00 p.m. This hearing has no physical location. Parties and Commission staff appear by Zoom. Parties and Commission staff may use the telephone connection as a backup or if no practicable internet connection exists. Members of the public attend by Zoom or by audio-only telephone connection.

Join Zoom over the internet at:

<https://us02web.zoom.us/my/pschearings>

To join Zoom telephone:

1. Dial: +1 312 626 6799
2. Enter: 809 513 2930 # (Meeting ID)

The Commission intends to livestream and record this hearing on YouTube. To access the livestream, go to the Commission's website at <http://psc.wi.gov>, click the dropdown menu labeled "News & Events", and select item labeled "Broadcasts".

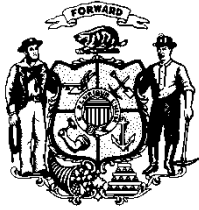
A person may testify in this proceeding without becoming a party and without attorney representation. A person may submit this testimony in only one of the following ways:

- **Web Comment.** File a comment on the internet. Go to the Commission's web site at <http://psc.wi.gov>, click the dropdown menu labeled "Commission Action". Select the item labeled "File a Public Comment". On the next page select the "File a comment" link that appears for docket number 6300-WR-106. **Web comments shall be received no later than Monday, May 22, 2023.**

- **Live Comment.** Make a live comment at the hearing. The Administrative Law Judge (ALJ) may receive live comments from any member of the public in attendance after the close of any party and Commission staff testimony. The ALJ will receive such comments by stating the name of each member of the public connected to the hearing one at a time and asking if they would like to comment.
- **Mail Comment.** Send a comment by U.S. Mail. All comments submitted by U.S. Mail **shall be received no later than Monday, May 22, 2023** and shall be addressed to: Attn: Docket 6300-WR-106 Comments, Public Service Commission, P.O. Box 7854, Madison, WI 53707-7854.

To access the documents, schedule, and other information about this docket, go to the Commission's web site at <http://psc.wi.gov>, select the dropdown menu labeled 'eServices'. Select the item labeled "Docket Search (CMS)". On the next page enter 6300-WR-106 in the spaces labeled "Case #" and select "Search".

If you have any questions, please contact the Wausau Water Utility at (715) 261-6530.



Public Service Commission of Wisconsin

Rebecca Cameron Valcq, Chairperson
Tyler Huebner, Commissioner
Summer Strand, Commissioner

4822 Madison Yards Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 4/17/2023 2:15:00 PM

April 17, 2023

Mr. Eric Lindman, Director of Public Works and Utilities
Wausau Water Utility
407 Grant Street
Wausau, WI 54403

Re: Application of the City of Wausau, Marathon County,
Wisconsin, as a Water Public Utility, for Authority to
Adjust Water Rates

6300-WR-106

Dear Mr. Lindman:

Public Service Commission (Commission) staff has analyzed the Wausau Water Utility (Utility) application for a water rate increase. The Commission received the application on December 21, 2022. The attached proposed exhibit (Exhibit) contains schedules showing Commission staff's proposed cost-of-service analysis and proposed rates. Commission staff intends to submit the Exhibit at the public hearing, which will be scheduled at a later date.

The revenue requirement for the 2023 test year is comprised of the following:

Operation and Maintenance Expenses	\$	4,585,370
Depreciation Expense	\$	2,084,442
Property Tax Equivalent and Other Taxes	\$	1,649,471
Return on Rate Base	\$	4,091,492
Total	\$	12,410,775

Commission staff used a 6.20 percent rate of return on the estimated water utility net investment rate base for the 2023 test year, as recommended by our staff auditor. ([PSC REF#: 462192.](#))

Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated \$4,737,469. Commission staff estimates \$4,213,481 would be from general service customers, and \$523,988 would be from the public fire protection (PFP) charge. The increase in water utility revenues results from a 56.50 percent increase in gross plant investment and a 40.60 percent increase in operating expenses since the Utility's last water conventional rate case (CRC) in 2020.

The overall increase in customer rates is 64.31 percent and is comprised of a 67.22 percent increase in general service charges and a 47.70 percent increase in PFP charges.

Mr. Eric Lindman
Docket 6300-WR-106
Page 2

Under the rates proposed in the Exhibit, a typical single-family residential customer's bill would increase 54.01 percent, including PFP. Schedule 14 of the Exhibit shows Commission staff's analysis of customer bills for comparison of proposed and present rates.

At the request of the Utility, Commission staff proposes to eliminate Schedule W-1, Wholesale Water Service, from the Utility's water tariff as this service was terminated April 25, 2021. On April 11, 2023, the Utility submitted a letter requesting the Commission to remove Schedule W-1. ([PSC REF#: 463940.](#))

Schedule X-1, Water Utility Operating Rules, of Schedule 13 includes changes to the Utility's filed rules that reflect the latest requirements in Wis. Admin. Code ch. PSC 185. Commission staff will recommend these changes to the Commission.

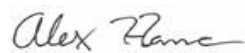
The proposed Commission staff Exhibit is intended to provide the Commission with Commission staff's analysis and is not a final decision. After review of the attached Exhibit, the Utility may, within five business days of the date of this letter, present its own case and may submit any additional information it believes to be pertinent to support its position. If Commission staff does not receive a response within that time, it will assume the Utility is in agreement with the staff proposal, and Commission staff will contact the Utility to schedule the public hearing. Please note that this is the Utility's primary opportunity to address any concerns or changes to Commission staff's proposed Cost of Service and Rate Design Exhibit.

The Utility should also be aware that the Commission will base its decision on the merits of the case and that the general service and PFP rates are typically effective within 90 days of the Final Decision.

In order to receive notification of official correspondence (i.e. data requests, notices, final decisions, etc.), individuals must subscribe to the Utility ID or PSC Docket. To subscribe, go to the Commission's [Electronic Records Filing System](#) (ERF). For help subscribing, go to [Subscribing to Dockets](#).

If you have any questions, please contact me.

Sincerely,



Alex Hanna
Public Utility Rate Analyst
Public Service Commission of Wisconsin
Division of Water Utility Regulation and Analysis
(608) 267-2336 | Alex.Hanna@wisconsin.gov

AJH:alf:krl DL:01937176

Mr. Eric Lindman
Docket 6300-WR-106
Page 3

Attachment

cc: Brian Roemer, Ehlers

Ex.-PSC-COSS and Rate Design

Wausau Water Utility

	<u>Schedule</u>
Comparative Income Statement	1
Net Investment Rate Base	2
Utility Financed Plant in Service and Depreciation Expense	3
System Demand Ratios	4
Allocation of Utility Financed Plant to Service Cost Functions	5
Allocation of Total Plant to Service Cost Functions	5A
Allocation of Depreciation Expense to Service Cost Functions	6
Allocation of Operation and Maintenance Expenses to Service Cost Functions	7
Summary of Allocation of Operating Costs to Service Cost Functions	8
Customer Class Demand Ratios	9
Customer Class Allocation Factors	10
Allocation of Service Cost Functions to Customer Classes	11
Comparison of Revenue at Present Rates, Cost of Service and Proposed Rates	12
Proposed Water Rates and Rules	13
Customer Water Bill Comparison at Present and Proposed Rates	14

COMPARATIVE INCOME STATEMENT

							TEST YEAR
ACCT NO.	OPERATING REVENUES	2019	2020	2021	2022	2023	
460	Unmetered Sales to General Customers						
	Residential	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	Multi-Family Residential	0	0	0	0	0	
	Commercial	0	0	0	0	0	
	Industrial	0	0	0	0	0	
	Public Authority	0	0	0	0	0	
	Irrigation	0	0	0	0	0	
461	Metered Sales to General Customers						
	Residential	2,513,262	3,023,559	3,387,247	3,385,000	3,435,813	
	Multi-Family Residential	114,289	249,801	412,712	381,000	381,738	
	Commercial	891,905	868,010	953,774	935,000	968,500	
	Industrial	676,388	728,938	845,146	838,000	840,050	
	Public Authority	237,609	218,885	262,512	256,000	264,142	
	Irrigation	251,378	292,212	391,523	370,000	377,829	
	TOTAL GENERAL SALES	\$ 4,684,831	\$ 5,381,405	\$ 6,252,914	\$ 6,165,000	\$ 6,268,072	
462	Private fire protection service	\$ 87,450	\$ 105,446	\$ 130,912	\$ 127,704	\$ 127,704	
463	Public fire protection service	815,946	927,657	1,047,815	1,044,556	1,098,530	
465	Other water sales	0	0	0	0	0	
466	Sales for resale	17,046	17,404	5,858	0	0	
467	Interdepartmental sales	0	0	0	0	0	
470	Forfeited discounts	77,655	44,356	92,438	70,000	70,000	
472	Rents from water property	25,000	56,680	69,500	50,000	50,000	
473	Interdepartmental rents	0	0	0	0	0	
474	Other water revenues	63,314	52,757	88,505	59,000	59,000	
	TOTAL OPERATING REVENUES	\$ 5,771,242	\$ 6,585,705	\$ 7,687,942	\$ 7,516,260	\$ 7,673,306	
	OPERATING EXPENSES						
	SOURCE OF SUPPLY						
600	Operation labor	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
601	Operation labor and expenses	0	0	0	0	0	
602	Purchased water	0	0	0	0	0	
603	Miscellaneous expenses	0	0	0	0	0	
604	Rents	0	0	0	0	0	
610	Maintenance supervision and engineering	0	0	0	0	0	
611	Maintenance of structures and improvements	0	0	0	0	0	
612	Maint. of collecting and impounding reservoirs	0	0	0	0	0	
613	Maintenance of lake, river, and other intakes	0	0	0	0	0	
614	Maintenance of wells and springs	0	0	0	0	0	
616	Maintenance of supply mains	0	0	0	0	0	
617	Maintenance of misc. water source plant	0	0	0	0	0	
	PUMPING EXPENSES						
620	Operation supervision and engineering	37,654	42,478	101,921	95,000	95,000	
621	Fuel for power production	0	0	0	0	0	
622	Power production labor and expenses	0	0	0	0	0	
623	Fuel or power purchased for production	279,630	270,291	294,264	283,400	312,000	
624	Pumping labor and expenses	36,185	47,957	56,931	52,000	52,000	
625	Expenses transferred--credit	0	0	0	0	0	
626	Miscellaneous expenses	45,373	34,586	31,854	34,000	39,000	
627	Rents	0	0	0	0	0	
630	Maintenance supervision and engineering	0	0	0	0	0	
631	Maintenance of structures and improvements	24,849	67,204	44,599	42,000	42,000	
632	Maintenance of power production equipment	4,066	2,161	1,526	2,750	2,750	
633	Maintenance of pumping equipment	104,425	55,293	48,036	53,000	100,000	

COMPARATIVE INCOME STATEMENT
(continued)

		TEST YEAR				
ACCT NO.	OPERATING EXPENSES	2019	2020	2021	2022	2023
WATER TREATMENT EXPENSES						
640	Operation supervision and engineering	\$ 17,031	\$ 17,499	\$ 18,346	\$ 19,000	\$ 20,000
641	Chemicals	340,260	322,441	327,034	370,000	405,000
642	Operation labor and expenses	44,348	65,113	81,636	62,000	70,000
643	Miscellaneous expenses	30,088	57,733	14,800	30,000	35,000
644	Rents	0	0	0	0	0
650	Maintenance supervision and engineering	0	0	0	0	0
651	Maintenance of structures and improvements	14,568	15,660	18,750	14,000	14,000
652	Maintenance of water treatment equipment	59,315	76,596	88,096	65,000	1,035,000
TRANS & DISTRIBUTION EXPENSES						
660	Operation supervision and engineering	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
661	Storage facilities expenses	16,225	0	2,307	4,000	9,000
662	Transmission and distribution expenses	22,178	9,642	3,604	3,000	34,000
663	Meter expenses	26,344	22,940	34,814	35,000	41,000
664	Customer installations expenses	49,976	46,719	47,232	48,000	48,000
665	Miscellaneous expenses	31,717	30,788	47,346	43,800	47,500
666	Rents	370	370	370	400	400
670	Maintenance supervision and engineering	32,062	26,014	18,620	22,000	36,000
671	Maintenance of structures and improvements	0	0	0	0	0
672	Maintenance of distr.reservoirs and standpipes	1,493	119	137,422	0	52,000
673	Maintenance of transmission and distr. mains	458,453	480,687	629,933	265,000	525,000
675	Maintenance of services	384,756	275,598	365,600	250,000	350,000
676	Maintenance of meters	88,819	67,963	151,623	60,000	135,000
677	Maintenance of hydrants	15,211	7,499	20,607	8,000	15,700
678	Maintenance of miscellaneous plant	0	0	0	0	0
CUSTOMER ACCOUNTS EXPENSES						
901	Supervision	9,073	9,524	9,330	9,000	10,700
902	Meter reading labor	11,966	12,972	31,358	13,000	13,000
903	Customer records and collection expenses	127,084	156,755	155,010	145,000	159,000
904	Uncollectible accounts	1,497	36,453	300	5,000	5,000
905	Miscellaneous customer accounts expenses	0	0	0	0	0
906	Customer service and Information Expenses	0	0	0	0	0
SALES EXPENSES						
910	Sales Expenses	0	0	0	0	0
ADMIN. & GENERAL EXPENSES						
920	Administrative and general salaries	71,916	77,049	78,946	78,000	80,000
921	Office supplies and expenses	43,899	49,411	65,701	66,000	63,084
922	Administrative expenses transferred -- credit	0	0	0	0	0
923	Outside services employed	161,735	173,101	197,644	292,000	193,216
924	Property insurance	15,740	18,745	21,267	22,000	22,000
925	Injuries and damages	24,750	24,703	26,058	26,000	27,000
926	Employee pensions and benefits	280,654	289,109	313,923	440,172	465,420
928	Regulatory commission expenses	0	0	0	0	0
929	Duplicate charges -- credit	0	0	0	0	0
930	Miscellaneous general expenses	1,020	14,823	1,205	8,600	8,600
931	Rents	0	0	0	0	0
932	Maintenance of general plant	21,727	26,391	20,602	20,000	23,000
TOTAL OPER. & MAINT. EXPENSES		\$ 2,936,457	\$ 2,932,387	\$ 3,508,615	\$ 2,986,122	\$ 4,585,370
403	DEPRECIATION EXPENSE	830,807	903,580	928,633	740,913	2,084,442
404-407	AMORTIZATION EXPENSE	0	0	0	0	0
408	TAXES AND TAX EQUIVALENT	1,217,135	1,307,702	1,590,580	1,374,710	1,649,471
TOTAL OPERATING EXPENSES		\$ 4,984,399	\$ 5,143,669	\$ 6,027,828	\$ 5,101,745	\$ 8,319,283
NET OPERATING INCOME		\$ 786,843	\$ 1,442,036	\$ 1,660,114	\$ 2,414,515	\$ (645,977)

NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	\$ 78,159,873
Less: ACCUMULATED PROVISION FOR DEPRECIATION	<u>12,388,265</u>
NET PLANT IN SERVICE	\$ 65,771,608
Plus: MATERIALS AND SUPPLIES	275,000
Less: REGULATORY LIABILITY	<u>54,800</u>
NET INVESTMENT RATE BASE	<u><u>\$ 65,991,808</u></u>
RATE OF RETURN ON RATE BASE	6.20%

ESTIMATED INCOME STATEMENT FOR THE 2023 TEST YEAR
AND
REVENUE REQUIREMENT TO YIELD A 6.20% RETURN ON NET INVESTMENT RATE BASE

	<u>Present Rates</u>	<u>Increase</u>	<u>After Rate Increase</u>
TOTAL OPERATING REVENUES	\$ <u>7,673,306</u>	\$ <u>4,737,469</u>	\$ <u>12,410,775</u>
OPERATING EXPENSES:			
OPERATION & MAINTENANCE EXPENSES	\$ 4,585,370		\$ 4,585,370
DEPRECIATION EXPENSE	2,084,442		2,084,442
AMORTIZATION EXPENSE	0		0
TAXES AND TAX EQUIVALENT	<u>1,649,471</u>		<u>1,649,471</u>
TOTAL OPERATING EXPENSES	\$ <u>8,319,283</u>		\$ <u>8,319,283</u>
NET OPERATING INCOME (LOSS)	\$ <u>(645,977)</u>		\$ <u><u>4,091,492</u></u>
RATE OF RETURN ON RATE BASE	-		6.20%

**UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2023**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance</u>	<u>Major</u>	<u>Normal</u>		<u>Balance</u>	<u>Test Year</u>	<u>Depreciation</u>	
		<u>12/31/2022</u>	<u>Less</u>	<u>Additions</u>	<u>Retirements</u>	<u>12/31/2023</u>	<u>Rate Base</u>	<u>Rate</u>	<u>Expense</u>
		<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(%)</u>	<u>(\$)</u>
INTANGIBLE PLANT									
301	Organization	0	0	0	0	0	0	N/A	0
302	Franchises and Consents	0	0	0	0	0	0	N/A	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	N/A	0
SOURCE OF SUPPLY									
310	Land and Land Rights	73,422	0	0	0	73,422	73,422	N/A	0
311	Structures and Improvements	0	476,532	0	0	476,532	476,532	3.20%	15,249
312	Collecting and Impounding Reservoirs	0	0	0	0	0	0	1.70%	0
313	Lake, River, and Other Intakes	0	0	0	0	0	0	1.70%	0
314	Wells and Springs	559,740	63,799	0	0	623,539	623,539	2.90%	18,082
316	Supply Mains	994,820	1,169,100	0	0	2,163,920	2,163,920	1.80%	38,951
317	Other Water Source Plant	0	0	0	0	0	0	4.50%	0
PUMPING PLANT									
320	Land and Land Rights	32,529	0	0	0	32,529	32,529	N/A	0
321	Structures and Improvements	1,119,167	0	0	0	1,119,167	1,119,167	3.20%	35,813
323	Other Power Production Equipment	80,061	0	0	0	80,061	80,061	4.40%	3,523
325	Electric Pumping Equipment	753,815	662,379	0	0	1,416,194	1,416,194	4.40%	62,313
326	Diesel Pumping Equipment	0	0	0	0	0	0	4.40%	0
328	Other Pumping Equipment	98,371	0	0	0	98,371	98,371	4.40%	4,328
WATER TREATMENT PLANT									
330	Land and Land Rights	0	0	0	0	0	0	N/A	0
331	Structures and Improvements	0	27,718,021	0	0	27,718,021	27,718,021	3.20%	886,977
332	Sand or Other Media Filtration Equipment	0	5,597,235	0	0	5,597,235	5,597,235	3.30%	184,709
333	Membrane Filtration Equipment	0	0	0	0	0	0	6.00%	0
334	Other Water Treatment Equipment	0	409,296	0	0	409,296	409,296	6.00%	24,558

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2023
(continued)

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance</u>	<u>Major</u>	<u>Normal</u>	<u>Retirements</u>	<u>Balance</u>	<u>TEST YEAR</u>	<u>DEPRECIATION</u>	
		<u>12/31/2022</u>	<u>Additions</u>	<u>Additions</u>		<u>12/31/2023</u>	<u>RATE BASE</u>	<u>RATE</u>	<u>EXPENSE</u>
		<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>BALANCE</u>	<u>(%)</u>	<u>(\$)</u>
	TRANSMISSION & DISTRIBUTION PLANT								
340	Land and Land Rights	48,775	0	0	0	48,775	48,775	N/A	0
341	Structures and Improvements	0	0	0	0	0	0	3.20%	0
342	Distribution Reservoirs and Standpipes	2,362,171	0	0	0	2,362,171	2,362,171	1.90%	44,881
343	Transmission and Distribution Mains	20,401,973	1,169,100	0	0	21,571,073	21,571,073	1.30%	280,424
345	Services	2,634,668	0	0	9,015	2,625,652	2,630,160	2.90%	76,275
346	Meters	3,692,493	0	0	0	3,692,493	3,692,493	5.50%	101,544
348	Hydrants	2,090,663	5,823	0	0	2,096,486	2,096,486	2.20%	46,123
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	5.00%	0
	GENERAL PLANT								
389	Land and Land Rights	0	0	0	0	0	0	N/A	0
390	Structures and Improvements	0	4,881,226	0	0	4,881,226	4,881,226	2.90%	141,556
391	Office Furniture and Equipment	0	122,477	0	0	122,477	122,477	5.80%	7,104
391	Computer Equipment	0	0	0	0	0	0	26.70%	0
392	Transportation Equipment	720,594	0	0	100,000	620,594	670,594	13.30%	89,189
393	Stores Equipment	0	0	0	0	0	0	5.80%	0
394	Tools, Shop and Garage Equipment	0	22,269	0	0	22,269	22,269	5.80%	1,292
395	Laboratory Equipment	0	167,014	0	0	167,014	167,014	5.80%	9,687
396	Power Operated Equipment	0	0	0	0	0	0	7.50%	0
397	Communication Equipment	0	66,806	0	0	66,806	66,806	15.00%	10,021
397	SCADA Equipment	0	20,042	0	0	20,042	20,042	9.20%	1,844
398	Miscellaneous Equipment	0	0	0	0	0	0	5.80%	0
	TOTAL UTILITY FINANCED PLANT IN SERVICE	35,663,262	42,551,120	0	109,015	78,105,366	78,159,873		2,084,442

Wausau Water Utility

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE 1,386,300,142 Gallons

AVERAGE DAILY PUMPAGE 3,798,083 Gallons

MAXIMUM DAY PUMPAGE 5,697,124 Gallons

FIRE FLOW:

GAL/MIN	6,000
DURATION (HOURS)	6.00
TOTAL FLOW	2,160,000 Gallons

AVERAGE DAY PLUS FIRE FLOW 5,958,083 Gallons

RATIO: BASE = $\frac{3,798,083}{5,958,083}$ = 63.75%

MAX DAY = 100-BASE = 36.25%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY 237,380 Gallons

MAXIMUM HOUR PUMPAGE 356,070 Gallons

AVERAGE HOUR PLUS ONE HOUR FIRE FLOW 518,253 Gallons

RATIO: BASE = $\frac{3,798,083}{12,438,083}$ = 30.54% Use 30.54%

MAX HOUR = 100-BASE = 69.46% Use 69.46%

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR		CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
INTANGIBLE PLANT													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE OF SUPPLY													
310	Land and Land Rights	73,422	46,804		26,618								
311	Structures and Improvements	476,532	303,774		172,758								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	623,539	397,486		226,053								
316	Supply Mains	2,163,920	1,379,428		784,492								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	32,529	20,736		11,793								
321	Structures and Improvements	1,119,167	713,432		405,735								
323	Other Power Production Equipment	80,061	51,036		29,025								
325	Electric Pumping Equipment	1,416,194	902,777		513,417								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	98,371	62,708		35,663								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	27,718,021	17,669,331		10,048,690								
332	Sand or Other Media Filtration Equipment	5,597,235	3,568,054		2,029,181								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	409,296	260,913		148,383								

**ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		BASE COSTS			MAX DAY					CUSTOMER COSTS			Fire Protection (\$)
		TOTAL (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	48,775	9,154	6,067	4,587	0	0	13,801	2,474	0	5,567	3,965	3,161
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	2,362,171	721,311						1,640,860				
343	Transmission mains	8,393,123	5,350,341		3,042,782								
343	Distribution mains	13,177,950		4,024,008				9,153,942					
345	Services	2,630,160										2,630,160	
346	Meters	3,692,493									3,692,493		
348	Hydrants	2,096,486											2,096,486
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	4,881,226	2,126,455	272,426	1,181,560	0	0	619,723	111,086	0	249,982	178,062	141,932
391	Office Furniture and Equipment	122,477	53,356	6,836	29,647	0	0	15,550	2,787	0	6,272	4,468	3,561
391	Computer Equipment	0	0	0	0	0	0	0	0	0	0	0	0
392	Transportation Equipment	670,594	292,137	37,426	162,325	0	0	85,139	15,261	0	34,343	24,463	19,499
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	22,269	9,701	1,243	5,390	0	0	2,827	507	0	1,140	812	648
395	Laboratory Equipment	167,014	72,758	9,321	40,428	0	0	21,204	3,801	0	8,553	6,092	4,856
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	66,806	29,103	3,729	16,171	0	0	8,482	1,520	0	3,421	2,437	1,943
397	SCADA Equipment	20,042	8,731	1,119	4,851	0	0	2,545	456	0	1,026	731	583
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		78,159,873	34,049,527	4,362,173	18,919,551	0	0	9,923,211	1,778,753	0	4,002,799	2,851,191	2,272,668

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		BASE COSTS			MAX DAY			MAX HOUR			CUSTOMER COSTS		
		TOTAL (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
INTANGIBLE PLANT													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE OF SUPPLY													
310	Land and Land Rights	73,422	46,804		26,618								
311	Structures and Improvements	482,132	307,343		174,789								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	624,289	397,964		226,325								
316	Supply Mains	2,177,658	1,388,186		789,472								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	32,529	20,736		11,793								
321	Structures and Improvements	1,719,154	1,095,904		623,250								
323	Other Power Production Equipment	80,061	51,036		29,025								
325	Electric Pumping Equipment	2,155,595	1,374,121		781,474								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	137,305	87,527		49,778								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	28,043,724	17,876,956		10,166,768								
332	Sand or Other Media Filtration Equipment	5,663,006	3,609,981		2,053,025								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	414,105	263,978		150,127								

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		BASE COSTS			MAX DAY					CUSTOMER COSTS			Fire Protection (\$)
					MAX HOUR								
		TOTAL (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	48,775	5,705	8,591	2,859	0	0	19,544	1,542	0	3,470	3,791	3,273
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	2,362,171	721,311						1,640,860				
343	Transmission mains	8,393,123	5,350,341		3,042,782								
343	Distribution mains	29,942,303		9,143,157				20,799,146					
345	Services	4,034,941										4,034,941	
346	Meters	3,692,493									3,692,493		
348	Hydrants	3,483,583											3,483,583
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	4,938,583	1,720,679	483,075	956,891	0	0	1,098,914	86,694	0	195,091	213,184	184,054
391	Office Furniture and Equipment	123,916	43,174	12,121	24,010	0	0	27,573	2,175	0	4,895	5,349	4,618
391	Computer Equipment	0	0	0	0	0	0	0	0	0	0	0	0
392	Transportation Equipment	920,594	320,749	90,049	178,373	0	0	204,847	16,161	0	36,367	39,739	34,309
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	22,531	7,850	2,204	4,366	0	0	5,014	396	0	890	973	840
395	Laboratory Equipment	168,977	58,874	16,529	32,741	0	0	37,600	2,966	0	6,675	7,294	6,298
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	67,591	23,550	6,612	13,096	0	0	15,040	1,187	0	2,670	2,918	2,519
397	SCADA Equipment	200,278	69,780	19,590	38,805	0	0	44,565	3,516	0	7,912	8,645	7,464
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		100,002,839	34,842,552	9,781,928	19,376,364	0	0	22,252,243	1,755,496	0	3,950,463	4,316,835	3,726,958

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR			CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
INTANGIBLE PLANT													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	
SOURCE OF SUPPLY													
310	Land and Land Rights	0	0		0								
311	Structures and Improvements	15,249	9,721		5,528								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	18,082	11,527		6,555								
316	Supply Mains	38,951	24,830		14,121								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	35,813	22,830		12,983								
323	Other Power Production Equipment	3,523	2,246		1,277								
325	Electric Pumping Equipment	62,313	39,722		22,591								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	4,328	2,759		1,569								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	886,977	565,419		321,558								
332	Sand or Other Media Filtration Equipment	184,709	117,746		66,963								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	24,558	15,655		8,903								

**ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	44,881	13,705						31,176				
343	Transmission mains	109,111	69,554		39,556								
343	Distribution mains	171,313		52,312			119,001						
345	Services	76,275										76,275	
346	Meters	101,544									101,544		
348	Hydrants	46,123											46,123
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	141,556	69,524	4,060	38,934	0	0	9,237	2,420	0	7,882	5,920	3,580
391	Office Furniture and Equipment	7,104	3,489	204	1,954	0	0	464	121	0	396	297	180
391	Computer Equipment	0	0	0	0	0	0	0	0	0	0	0	0
392	Transportation Equipment	89,189	43,804	2,558	24,531	0	0	5,820	1,525	0	4,966	3,730	2,256
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	1,292	635	37	355	0	0	84	22	0	72	54	33
395	Laboratory Equipment	9,687	4,758	278	2,664	0	0	632	166	0	539	405	245
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	10,021	4,922	287	2,756	0	0	654	171	0	558	419	253
397	SCADA Equipment	1,844	906	53	507	0	0	120	32	0	103	77	47
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		2,084,442	1,023,750	59,790	573,306	0	0	136,012	35,633	0	116,058	87,178	52,716

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR			CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
SOURCE OF SUPPLY													
600	Operation labor	0	0		0								
601	Operation labor and expenses	0	0		0								
602	Purchased water	0	0									0	
603	Miscellaneous expenses	0	0		0								
604	Rents	0	0		0								
610	Maintenance supervision and engineering	0	0		0								
611	Maintenance of structures and improvements	0	0		0								
612	Maint. of collecting and impounding reservoirs	0	0		0								
613	Maintenance of lake, river, and other intakes	0	0		0								
614	Maintenance of wells and springs	0	0		0								
616	Maintenance of supply mains	0	0		0								
617	Maintenance of misc. water source plant	0	0		0								
PUMPING EXPENSES													
620	Operation supervision and engineering	95,000	60,559		34,441								
621	Fuel for power production	0	0										
622	Power production labor and expenses	0	0										
623	Fuel or power purchased for production	312,000	312,000										
624	Pumping labor and expenses	52,000	33,148		18,852								
625	Expenses transferred--credit	0	0		0								
626	Miscellaneous expenses	39,000	24,861		14,139								
627	Rents	0	0		0								
630	Maintenance supervision and engineering	0	0		0								
631	Maintenance of structures and improvements	42,000	26,774		15,226								
632	Maintenance of power production equipment	2,750	1,753		997								
633	Maintenance of pumping equipment	100,000	63,747		36,253								
WATER TREATMENT EXPENSES													
640	Operation supervision and engineering	20,000	12,749		7,251								
641	Chemicals	405,000	405,000										
642	Operation labor and expenses	70,000	44,623		25,377								
643	Miscellaneous expenses	35,000	22,311		12,689								
644	Rents	0	0		0								
650	Maintenance supervision and engineering	0	0		0								
651	Maintenance of structures and improvements	14,000	8,925		5,075								
652	Maintenance of water treatment equipment	1,035,000	659,779		375,221								

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
TRANSMISSION & DISTRIBUTION EXPENSES													
660	Operation supervision and engineering	0	0	0	0	0	0	0	0	0	0	0	0
661	Storage facilities expenses	9,000	2,748						6,252				
662	Transmission lines expenses	4,455	2,840		1,615								
662	Distribution lines expenses	29,545		9,022				20,523					
663	Meter expenses	41,000									41,000		
664	Customer installations expenses	48,000										48,000	
665	Miscellaneous expenses	47,500	2,565	5,824	1,043	0	0	13,249	1,664	0	6,911	15,628	616
666	Rents	400	22	49	9	0	0	112	14	0	58	132	5
670	Maintenance supervision and engineering	36,000	1,944	4,414	790	0	0	10,041	1,261	0	5,238	11,844	467
671	Maintenance of structures and improvements	0	0	0	0	0	0	0	0	0	0	0	0
672	Maintenance of distr.reservoirs and standpipes	52,000	15,879						36,121				
673	Maintenance of transmission mains	68,796	43,855		24,941								
673	Maintenance of distribution mains	456,204		139,306				316,898					
675	Maintenance of services	350,000										350,000	
676	Maintenance of meters	135,000									135,000		
677	Maintenance of hydrants	15,700											15,700
678	Maintenance of miscellaneous plant	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER ACCOUNTS EXPENSES													
901	Supervision	10,700								10,700			
902	Meter reading labor	13,000								13,000			
903	Customer records and collection expenses	159,000								159,000			
904	Uncollectible accounts	5,000								5,000			
905	Miscellaneous customer accounts expenses	0								0			
906	Customer service and Information Expenses	0								0			
SALES EXPENSES													
910	Sales Expenses	0								0			
ADMINISTRATIVE & GENERAL EXPENSES													
920	Administrative and general salaries	80,000	28,651	4,416	15,979	0	0	10,046	1,262	2,090	5,240	11,849	467
921	Office supplies and expenses	63,084	22,593	3,482	12,600	0	0	7,922	995	1,648	4,132	9,344	369
922	Administrative expenses transferred -- credit	0	0	0	0	0	0	0	0	0	0	0	0
923	Outside services employed	193,216	69,198	10,666	38,592	0	0	24,262	3,047	5,049	12,655	28,618	1,129
924	Property insurance	22,000	7,665	2,152	4,263	0	0	4,895	386	0	869	950	820
925	Injuries and damages	27,000	9,670	1,490	5,393	0	0	3,390	426	705	1,768	3,999	158
926	Employee pensions and benefits	465,420	166,684	25,691	92,960	0	0	58,444	7,339	12,161	30,485	68,937	2,719
928	Regulatory commission expenses	0	0	0	0	0	0	0	0	0	0	0	0
929	Duplicate charges -- credit	0	0	0	0	0	0	0	0	0	0	0	0
930	Miscellaneous general expenses	8,600	3,080	475	1,718	0	0	1,080	136	225	563	1,274	50
931	Rents	0	0	0	0	0	0	0	0	0	0	0	0
932	Maintenance of general plant	23,000	8,237	1,270	4,594	0	0	2,888	363	601	1,506	3,407	134
TOTAL OPERATION & MAINTENANCE EXPENSES		4,585,370	2,061,859	208,257	750,016	0	0	473,751	59,265	210,179	245,426	553,981	22,635

SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS

OPERATING COST	EXTRA-CAPACITY											
	BASE COSTS			MAX DAY					CUSTOMER COSTS			Fire Protection (\$)
				MAX HOUR								
	TOTAL (\$)	System (\$)	Distribution (\$)			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	
OPERATION AND MAINTENANCE	4,585,370	2,061,859	208,257	750,016	0	0	473,751	59,265	210,179	245,426	553,981	22,635
DEPRECIATION EXPENSE	2,084,442	1,023,750	59,790	573,306	0	0	136,012	35,633	0	116,058	87,178	52,716
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	1,649,471	574,701	161,345	319,598	0	0	367,034	28,956	0	65,160	71,203	61,473
RETURN ON NET INVESTMENT RATE BASE	4,091,492	1,782,416	228,350	990,395	0	0	519,458	93,114	0	209,537	149,253	118,969
TOTAL	12,410,775	5,442,726	657,743	2,633,316	0	0	1,496,254	216,967	210,179	636,182	861,616	255,794

CUSTOMER CLASS DEMAND RATIOS

CUSTOMER CLASS	BASE COSTS					EXTRA-CAPACITY MAX DAY DEMAND					EXTRA-CAPACITY MAX HOUR DEMAND					
	Annual Volume 100 CCF	Average Day Volume CF	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Day	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Hour	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Storage Adjusted Percent (%)
Residential	676,812	185,428	42.52%	42.52%	42.52%	2.10	389,399	36.45%	36.45%	36.45%	4.30	33,223	29.07%	29.07%	29.07%	29.07%
Multifamily Residential	111,880	30,652	7.03%	7.03%	7.03%	1.83	55,940	5.24%	5.24%	5.24%	3.80	4,853	4.25%	4.25%	4.25%	4.25%
Commercial	278,326	76,254	17.49%	17.49%	17.49%	1.55	118,193	11.06%	11.06%	11.06%	3.30	10,485	9.18%	9.18%	9.18%	9.18%
Industrial	349,885	95,859	21.98%	21.98%	21.98%	0.85	81,480	7.63%	7.63%	7.63%	1.75	6,990	6.12%	6.12%	6.12%	6.12%
Public Authority	87,973	24,102	5.53%	5.53%	5.53%	1.55	37,358	3.50%	3.50%	3.50%	3.30	3,314	2.90%	2.90%	2.90%	2.90%
Irrigation	70,861	19,414	4.45%	4.45%	4.45%	5.00	97,070	9.09%	9.09%	9.09%	9.00	7,280	6.37%	6.37%	6.37%	6.37%
Public Fire Protection	15,917	4,361	1.00%	1.00%	1.00%		288,770	27.03%	27.03%	27.03%		48,128	42.12%	42.12%	42.12%	42.12%
TOTALS	1,591,654	436,069	100%	100%	100%		1,068,210	100%	100%	100%		114,273	100%	100%	100%	100%

50%50% <-- Public Fire % Limits -->50%50%80%

Maximum Day Demand = 1,211,149 (CUBIC FEET/DAY)SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 84,133 (CUBIC FEET/HR)SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.59 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.77 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

CUSTOMER CLASS ALLOCATION FACTORS															
Meter size (inches):	NUMBER OF METERS													TOTAL	
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	METERS	PERCENT
Residential	12,627	1,853	170	0	6	0	0	0	0	0	0	0	0	14,656	86.7%
Multifamily Residential	57	26	44	0	97	15	0	9	1	0	0	0	0	249	1.5%
Commercial	564	256	247	0	122	118	0	21	7	0	0	0	0	1,335	7.9%
Industrial	13	20	17	0	13	10	0	4	8	3	0	0	0	88	0.5%
Public Authority	21	4	8	0	18	43	0	5	9	1	1	0	0	110	0.7%
Irrigation	201	111	83	0	37	24	0	2	3	0	0	0	0	461	2.7%
TOTALS	13,483	2,270	569	0	293	210	0	41	28	4	1	0	0	16,899	100.0%
EQUIVALENT METERS															
ALLOCATION FACTOR:														TOTAL	
Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV.	
Equiv. meters ratio:	1.0	1.0	2.5	3.7	5.0	8.0	12.5	15.0	25.0	50.0	80.0	120.0	160.0	METERS	PERCENT
Residential	12,627	1,853	425	0	30	0	0	0	0	0	0	0	0	14,935	68.1%
Multifamily Residential	57	26	110	0	485	120	0	135	25	0	0	0	0	958	4.4%
Commercial	564	256	618	0	610	944	0	315	175	0	0	0	0	3,482	15.9%
Industrial	13	20	43	0	65	80	0	60	200	150	0	0	0	631	2.9%
Public Authority	21	4	20	0	90	344	0	75	225	50	80	0	0	909	4.1%
Irrigation	201	111	208	0	185	192	0	30	75	0	0	0	0	1,002	4.6%
TOTALS	13,483	2,270	1,423	0	1,465	1,680	0	615	700	200	80	0	0	21,916	100.0%
EQUIVALENT SERVICES															
ALLOCATION FACTOR:														TOTAL	
Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV.	
Equiv. services ratio:	1.0	1.0	1.3	1.7	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	SERVICES	PERCENT
Residential	12,627	1,853	221	0	12	0	0	0	0	0	0	0	0	14,713	81.5%
Multifamily Residential	57	26	57	0	194	45	0	36	5	0	0	0	0	420	2.3%
Commercial	564	256	321	0	244	354	0	84	35	0	0	0	0	1,858	10.3%
Industrial	13	20	22	0	26	30	0	16	40	18	0	0	0	185	1.0%
Public Authority	21	4	10	0	36	129	0	20	45	6	7	0	0	278	1.5%
Irrigation	201	111	108	0	74	72	0	8	15	0	0	0	0	589	3.3%
TOTALS	13,483	2,270	740	0	586	630	0	164	140	24	7	0	0	18,044	100.0%

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

	TOTAL	Residential	Multifamily Residential	Commercial	Industrial	Public Authority	Irrigation	Public Fire Protection
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
BASE COSTS:								
SYSTEM	5,442,726	2,314,387	382,578	951,747	1,196,446	300,827	242,312	54,427
DISTRIBUTION	657,743	279,689	46,234	115,017	144,588	36,354	29,283	6,577
EXTRA-CAPACITY COSTS:								
MAXIMUM-DAY SYSTEM	2,633,316	959,933	137,901	291,366	200,862	92,095	239,293	711,866
MAXIMUM-DAY DISTRIBUTION	0	0	0	0	0	0	0	0
MAXIMUM-HOUR SYSTEM	0	0	0	0	0	0	0	0
MAXIMUM-HOUR DISTRIBUTION	1,496,254	435,005	63,547	137,286	91,521	43,393	95,325	630,177
MAXIMUM-HOUR STORAGE	216,967	63,079	9,215	19,907	13,271	6,292	13,823	91,380
CUSTOMER COSTS:								
BILLING	210,179	182,282	3,097	16,604	1,094	1,368	5,734	
EQUIVALENT METERS	636,182	433,546	27,810	101,064	18,303	26,387	29,072	
EQUIVALENT SERVICES	861,616	702,569	20,065	88,727	8,839	13,294	28,121	
FIRE PROTECTION	255,794							255,794
TOTAL COST	12,410,775	5,370,489	690,447	1,721,718	1,674,924	520,011	682,963	1,750,222
LESS OTHER REVENUE	306,704	90,175	11,593	28,909	28,123	8,731	11,468	127,704
COST OF SERVICE	12,104,071	5,280,314	678,854	1,692,809	1,646,801	511,280	671,496	1,622,518
REVENUE AT PRESENT RATES	7,366,602	3,435,813	381,738	968,500	840,050	264,142	377,829	1,098,530
DIFFERENCE	4,737,469	1,844,501	297,116	724,309	806,751	247,138	293,667	523,988
PERCENT INCREASE/DECREASE	64.31%	53.68%	77.83%	74.79%	96.04%	93.56%	77.72%	47.70%

Wausau Water Utility
Comparison of Revenue
at
Present Rates, Cost of Service and Proposed Rates

Customer Class	Revenue at Present Rates	Cost of Service		Proposed Rates		
		Revenue Required	Increase over Present Rates	Revenue	Increase over Present Rates	Percent of Cost of Service
Residential	\$3,435,813	\$5,280,314	53.68%	\$5,292,547	54.04%	100.23%
Multifamily Residential	\$381,738	\$678,854	77.83%	\$682,354	78.75%	100.52%
Commercial	\$968,500	\$1,692,809	74.79%	\$1,693,592	74.87%	100.05%
Industrial	\$840,050	\$1,646,801	96.04%	\$1,659,056	97.49%	100.74%
Public Authority	\$264,142	\$511,280	93.56%	\$482,836	82.79%	94.44%
Irrigation	\$377,829	\$671,496	77.72%	\$671,431	77.71%	99.99%
Public Fire Protection	\$1,098,530	\$1,622,518	47.70%	\$1,623,254	47.77%	100.05%
Total	\$7,366,602	\$12,104,071	64.31%	\$12,105,069	64.32%	100.01%

Wausau Water Utility
Proposed Water Rates and Rules

Wausau Water Utility
Water Rate File Changes

Amended

F-1
Upf-1
Mg-1R
Mg-1NR
Mg-1IR
OC-1
Mpa-1
Ug-1
Sg-1
BW-1
R-1
Cz-1
X-1
X-2
X-3

New

Mg-1MF

Deleted

W-1

Public Service Commission of Wisconsin**Wausau Water Utility****Public Fire Protection Service**

Public fire protection service shall include the use of hydrants for fire protection service only and such quantities of water as may be demanded for the purpose of extinguishing fires within the service area. This service shall also include water used for testing equipment and training personnel. For all other purposes, the metered or other rates set forth, or as may be filed with the Public Service Commission shall apply.

Under Wis. Stat. § 196.03(3)(b), the municipality has chosen to have the utility bill the retail general service customers for public fire protection service.

Quarterly Public Fire Protection Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	19.62	6.54	3 - inch meter:	\$	282.00	94.00
3/4 - inch meter:	\$	19.62	6.54	4 - inch meter:	\$	465.00	155.00
1 - inch meter:	\$	48.00	16.00	6 - inch meter:	\$	930.00	310.00
1 1/4 - inch meter:	\$	69.00	23.00	8 - inch meter:	\$	1,482.00	494.00
1 1/2 - inch meter:	\$	93.00	31.00	10 - inch meter:	\$	2,223.00	741.00
2 - inch meter:	\$	150.00	50.00	12 - inch meter:	\$	2,961.00	987.00

Customers who are provided service under Schedules Mg-1R, Mg-1MF, Mg-1NR, Ug-1, or Sg-1 shall also be subject to the charges in this schedule according to the size of their primary meter. Irrigation class meters are not subject to the charges in this schedule.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Wausau Water Utility

Private Fire Protection Service - Unmetered

This service shall consist of permanent or continuous unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes, and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow prevention devices.

Quarterly Private Fire Protection Service Demand Charges:

	<u>Quarterly</u>	<u>Monthly</u>
2 - inch or smaller connection:	\$ 27.45	9.15
3 - inch connection:	\$ 52.50	17.50
4 - inch connection:	\$ 87.00	29.00
6 - inch connection:	\$ 174.00	58.00
8 - inch connection:	\$ 270.00	90.00
10 - inch connection:	\$ 417.00	139.00
12 - inch connection:	\$ 558.00	186.00
14 - inch connection:	\$ 696.00	232.00
16 - inch connection:	\$ 834.00	278.00

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin**Wausau Water Utility****General Service – Metered - Residential**

Quarterly Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	25.65	8.55	3 - inch meter:	\$	180.00	60.00
3/4 - inch meter:	\$	25.65	8.55	4 - inch meter:	\$	270.00	90.00
1 - inch meter:	\$	42.00	14.00	6 - inch meter:	\$	480.00	160.00
1 1/4 - inch meter:	\$	57.00	19.00	8 - inch meter:	\$	726.00	242.00
1 1/2 - inch meter:	\$	72.00	24.00	10 - inch meter:	\$	1,050.00	350.00
2 - inch meter:	\$	111.00	37.00	12 - inch meter:	\$	1,380.00	460.00

Plus Volume Charges:

All water used quarterly: \$5.58 per 100 cubic feet

Billing: Bills for water service are rendered quarterly and become due and payable upon issuance following the period for which service is rendered. Bills may be rendered monthly for customers with electronic billing. A late payment charge of 1 percent per month will be added to bills not paid within 20 days of issuance. This late payment charge will be applied to the total unpaid balance for utility service, including unpaid late payment charges. The late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued. Unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Adm. Code ch. PSC 185.

Combined Metering: Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

Residential customers include single-family homes, duplexes, and individually-metered condominiums, apartment buildings, and mobile home parks.

Public Service Commission of Wisconsin

Wausau Water Utility

General Service – Metered – Multifamily Residential

Quarterly Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	25.65	8.55	3 - inch meter:	\$	180.00	60.00
3/4 - inch meter:	\$	25.65	8.55	4 - inch meter:	\$	270.00	90.00
1 - inch meter:	\$	42.00	14.00	6 - inch meter:	\$	480.00	160.00
1 1/4 - inch meter:	\$	57.00	19.00	8 - inch meter:	\$	726.00	242.00
1 1/2 - inch meter:	\$	72.00	24.00	10 - inch meter:	\$	1,050.00	350.00
2 - inch meter:	\$	111.00	37.00	12 - inch meter:	\$	1,380.00	460.00

Plus Volume Charges:

All water used quarterly: \$5.58 per 100 cubic feet

Billing: Same as Mg-1R.

Combined Metering: Same as Mg-1R.

Multifamily Residential customers include master-metered multifamily dwelling units such as condominiums, apartment buildings, and mobile home parks.

Public Service Commission of Wisconsin**Wausau Water Utility****General Service – Metered - Nonresidential**

Quarterly Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	25.65	8.55	3 - inch meter:	\$	180.00	60.00
3/4 - inch meter:	\$	25.65	8.55	4 - inch meter:	\$	270.00	90.00
1 - inch meter:	\$	42.00	14.00	6 - inch meter:	\$	480.00	160.00
1 1/4 - inch meter:	\$	57.00	19.00	8 - inch meter:	\$	726.00	242.00
1 1/2 - inch meter:	\$	72.00	24.00	10 - inch meter:	\$	1,050.00	350.00
2 - inch meter:	\$	111.00	37.00	12 - inch meter:	\$	1,380.00	460.00

Plus Volume Charges:

First	6,000	cubic feet used each quarter:	
	2,000	cubic feet used each month:	\$5.58 per 100 cubic feet
Next	54,000	cubic feet used each quarter:	
	18,000	cubic feet used each month:	\$5.39 per 100 cubic feet
Over	60,000	cubic feet used each quarter:	
	20,000	cubic feet used each month:	\$4.54 per 100 cubic feet

Billing: Same as Mg-1R.Combined Metering: Same as Mg-1R.

Nonresidential Class includes commercial, industrial, and public authority customers. Commercial customers include business entities and institutions, except governmental entities, that provide goods or services. Churches and parochial schools are not governmental and are classified as commercial. Industrial customers include customers who are engaged in the manufacture or production of goods. Public Authority customers include any department, agency, or entity of local, state, or federal government, including public schools, colleges, and universities.

Public Service Commission of Wisconsin**Wausau Water Utility****General Service – Metered - Irrigation**

Quarterly Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	25.65	8.55	3 - inch meter:	\$	180.00	60.00
3/4 - inch meter:	\$	25.65	8.55	4 - inch meter:	\$	270.00	90.00
1 - inch meter:	\$	42.00	14.00	6 - inch meter:	\$	480.00	160.00
1 1/4 - inch meter:	\$	57.00	19.00	8 - inch meter:	\$	726.00	242.00
1 1/2 - inch meter:	\$	72.00	24.00	10 - inch meter:	\$	1,050.00	350.00
2 - inch meter:	\$	111.00	37.00	12 - inch meter:	\$	1,380.00	460.00

Plus Volume Charges:

All water used quarterly: \$8.46 per 100 cubic feet

Billing: Same as Mg-1R.Combined Metering: Same as Mg-1R.

Irrigation Class includes customers who have water service provided primarily for landscape irrigation. For the purpose of this schedule, landscape irrigation includes the use of water to sustain crops, lawns, or landscapes on any residential, commercial, industrial, or public authority property, including water used for irrigating athletic fields, parks, and golf courses. Irrigation customers include those customers that have multiple meters installed on a single lateral for the purpose of measuring water that is not discharged to the sanitary sewer system. The utility shall classify each additional meter as an irrigation meter and treat each meter as a separate general service customer.

Public Service Commission of Wisconsin**Wausau Water Utility****Other Charges**

Payment Not Honored by Financial Institution Charge: The utility shall assess a \$45.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Missed Appointment Charge: The utility shall assess a missed appointment charge when a customer, without providing reasonable cancellation notice, fails to be present at the customer's location for an appointment scheduled with utility personnel. The utility may not apply the charge for the first such missed appointment during normal business hours. The utility shall apply the charge for the first such missed appointment after normal business hours.

During normal business hours:	\$60.00
After normal business hours:	\$100.00

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Wausau Water Utility

Public Service

Metered Service

Water used by the City of Wausau on an intermittent basis for flushing sewers, street washing, flooding skating rinks, drinking fountains, etc., shall be metered and billed according to the rates set forth in Schedule Mg-1NR.

Unmetered Service

Where it is impossible to meter the service, the utility shall estimate the volume of water used based on the pressure, size of opening, and the period of time the water is used. The estimated quantity shall be billed at the volumetric rates set forth in Schedule Mg-1NR, excluding any service charges.

Billing: Same as Schedule Mg-1NR.

Public Service Commission of Wisconsin

Wausau Water Utility

General Water Service - Unmetered

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 1,200 cubic feet of water quarterly (or 400 cubic feet of water per month) under Schedule Mg-1R, including the service charge for a $\frac{5}{8}$ -inch meter. If the utility determines that actual usage exceeds 1,200 cubic feet of water quarterly (or 400 cubic feet of water per month), an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1R.

This schedule applies only to customers with a 1-inch or smaller service connection. For customers with a larger service connection, the utility shall install a temporary meter and charges shall be based on the rates set forth under Schedule Mg-1R.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Wausau Water Utility

Seasonal Service

Seasonal customers are general service customers who voluntarily request disconnection of water service and who resume service at the same location within 12 months of the disconnection, unless service has been provided to another customer at that location in the intervening period. The utility shall bill seasonal customers the applicable service charges under Schedule Mg-1R year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1R, Mg-1MF, Mg-1NR, Mg-1IR, Schedule Ug-1, or Schedule Am-1.

Upon reconnection, the utility shall apply a charge under Schedule R-1 and require payment of any unpaid charges under this schedule.

Billing: Same as Schedule Mg-1R, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

Public Service Commission of Wisconsin**Wausau Water Utility****Bulk Water**

All bulk water supplied from the water system through hydrants or other connections shall be metered or estimated by the utility. Utility personnel or a party approved by the utility shall supervise the delivery of water.

Bulk water sales are:

- A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;
- B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,
- C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of \$65.00 and a charge for the volume of water used shall be billed to the party using the water. The volumetric charge shall be calculated using the highest volumetric rate for residential customers under Schedule Mg-1R. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1R will apply after the first 7 days.

The water utility may require a reasonable deposit for the temporary use of its equipment under this and other rate schedules. The deposit(s) collected shall be refunded upon return of the utility's equipment. Damaged or lost equipment shall be repaired or replaced at the customer's expense.

The bulk water rate as noted above will not apply when water is sold and delivered via the utility's coin-operated metering system. The coin-operated metering system is located at the Metro Shop and is accessible 24 hours a day, seven days a week. Water is sold without the assistance of utility personnel. When water is purchased via the utility's coin-operated metering system, the bulk water rate of \$0.50 per 100 gallons shall apply.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Wausau Water Utility

Reconnection Charges

The utility shall assess a charge to reconnect a customer, which includes reinstalling a meter and turning on the valve at the curb stop, if necessary. A utility may not assess a charge for disconnecting a customer.

During normal business hours:	\$65.00
After normal business hours:	\$100.00

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Wausau Water Utility

Water Lateral Installation Charge
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The utility shall charge a customer for the actual cost of installing a water service lateral from the main through curb stop and box if these costs are not contributed as part of a subdivision development or otherwise recovered under Wis. Stats. Chapter 66.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Establishment of Service

Application for water service may be made in writing on a form furnished by the water utility. The application will contain the legal description of the property to be served, the name of the owner, the exact use to be made of the service, and the size of the service lateral and meter desired. Note particularly any special refrigeration, fire protection, or water-consuming air-conditioning equipment.

Service will be furnished only if (1) the premises have a frontage on a properly platted street or public strip in which a cast iron or other long-life water main has been laid, or where the property owner has agreed to and complied with the provisions of the water utility's filed main extension rule, (2) the property owner has installed or agrees to install a service lateral from the curb stop to the point of use that is not less than 6 feet below the surface of an established or proposed grade and meets the water utility's specifications, and (3) the premises have adequate piping beyond the metering point.

The owner of a multi-unit dwelling has the option of being served by individual metered water service to each unit. The owner, by selecting this option, is required to provide interior plumbing and meter settings to enable individual metered service to each unit and individual disconnection without affecting service to other units. Each meter and meter connection will be treated as a separate water utility account for the purpose of the filed rules and regulations.

No division of the water service lateral to any lot or parcel of land shall be made for the extension and independent metering of the supply to an adjoining lot or parcel of land. Except for duplexes, no division of a water service lateral shall be made at the curb for separate supplies for two or more separate premises having frontage on any street or public service strip, whether owned by the same or different parties. Duplexes may be served by one lateral provided (1) individual metered service and disconnection is provided and (2) it is permitted by local ordinance.

Buildings used in the same business, located on the same parcel, and served by a single lateral may have the customer's water supply piping installed to a central point so that volume can be metered in one place.

The water utility may withhold approval of any application where full information of the purpose of such supply is not clearly indicated and set forth by the applicant property owner.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Reconnection of Service

Where the water utility has disconnected service at the customer's request, a reconnection charge shall be made when the customer requests reconnection of service. See Schedule R-1 for the applicable rate.

A reconnection charge shall also be required from customers whose services are disconnected (shut off at curb stop box) because of nonpayment of bills when due. See Schedule R-1 for the applicable rate.

If reconnection is requested for the same location by any member of the same household, or, if a place of business, by any partner of the same business, it shall be considered as the same customer.

Temporary Metered Service, Meter, and Deposits

An applicant for temporary water service on a metered basis shall make and maintain a monetary deposit for each meter installed as security for payment for use of water and for such other charges which may arise from the use of the supply. A charge shall be made for setting the valve and furnishing and setting the meter. See Schedule BW-1 for the applicable rate.

Water for Construction

When water is requested for construction purposes or for filling tanks or other such uses, an application shall be made to the water utility, in writing, giving a statement of the amount of construction work to be done or the size of the tank to be filled, etc. Payment for the water for construction may be required in advance at the scheduled rates. The service lateral must be installed into the building before water can be used. No connection with the service lateral at the curb shall be made without special permission from the water utility. In no case will any employee of the water utility turn on water for construction work unless the contractor has obtained permission from the water utility.

Customers shall not allow contractors, masons, or other persons to take unmetered water from their premises without permission from the water utility. Any customer failing to comply with this provision may have water service discontinued and will be responsible for the cost of the estimated volume of water used.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Use of Hydrants

In cases where no other supply is available, permission may be granted by the water utility to use a hydrant. No hydrant shall be used until the proper meter and valve are installed. In no case shall any valve be installed or moved except by an employee of the water utility.

Before a valve is set, payment must be made for its setting and for the water to be used at the scheduled rates. Where applicable, see Schedule BW-1 for deposits and charges. Upon completing the use of the hydrant, the customer must notify the water utility to that effect.

Operation of Valves and Hydrants and Unauthorized Use of Water - Penalty

Any person who shall, without authority of the water utility, allow contractors, masons, or other unauthorized persons to take water from their premises, operate any valve connected with the street or supply mains, or open any fire hydrant connected with the distribution system, except for the purpose of extinguishing fire, or who shall wantonly damage or impair the same, shall be subject to a fine as provided by municipal ordinance. Utility permission for the use of hydrants applies only to such hydrants that are designated for the specific use.

Refunds of Monetary Deposits

All money deposited as security for payment of charges arising from the use of temporary water service on a metered basis, or for the return of a hydrant valve and fixtures if the water is used on an unmetered basis, will be refunded to the depositor on the termination of the use of water, the payment of all charges levied against the depositor, and the return of the water utility's equipment.

Service Laterals

No water service lateral shall be laid through any trench having cinders, rubbish, rock or gravel fill, or any other material which may cause injury to or disintegration of the service lateral, unless adequate means of protection are provided by sand filling or such other insulation as may be approved by the water utility. Service laterals passing through curb or retaining walls shall be adequately safeguarded by provision of a channel space or pipe casing not less than twice the diameter of the service connection. The space between the service lateral and the channel or pipe casing shall be filled and lightly caulked with an oakum, mastic cement, or other resilient material and made impervious to moisture.

In backfilling the pipe trench, the service lateral must be protected against injury by carefully hand tamping the ground filling around the pipe. There should be at least 6 inches of ground filling over the pipe, and it should be free from hard lumps, rocks, stones, or other injurious material.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Service Laterals (continued)

All water service laterals shall be of undiminished size from the street main into the point of meter placement. Beyond the meter outlet valve, the piping shall be sized and proportioned to provide, on all floors, at all times, an equitable distribution of the water supply for the greatest probable number of fixtures or appliances operating simultaneously.

Replacement and Repair of Service Laterals

The service lateral from the main to and through the curb stop will be maintained and kept in repair and, when worn out, replaced at the expense of the water utility. The property owner shall maintain the service lateral from the curb stop to the point of use.

If an owner fails to repair a leaking or broken service lateral from the curb to the point of metering or use within such time as may appear reasonable to the water utility after notification has been served on the owner by the water utility, the water will be shut off and will not be turned on again until the repairs have been completed.

Abandonment of Service

If a property owner changes the use of a property currently receiving water service such that water service will no longer be needed in the future, the water utility may require the abandonment of the water service at the water main. In such case, the property owner may be responsible for all removal and/or repair costs, including the water main and the utility portion of the water service lateral.

Charges for Water Wasted Due to Leaks

See Wis. Admin. Code § PSC 185.35 or Schedule X-4, if applicable.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88 or Schedule X-4, if applicable.

Curb Stop Boxes

The curb stop box is the property of the water utility. The water utility is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level where no direct action by the property owner or occupant has contributed to an elevation problem. The property owner is responsible for protecting the curb stop box from situations that could obstruct access to it or unduly expose it to harm. The water utility shall not be liable for failure to locate the curb stop box and shut off the water in case of a leak on the owner's premises.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Installation of Meters

Meters will be owned, furnished, and installed by the water utility or a utility-approved contractor and are not to be disconnected or tampered with by the customer. All meters shall be so located that they shall be protected from obstructions and permit ready access for reading, inspection, and servicing, such location to be designated or approved by the water utility. All piping within the building must be supplied by the owner. Where additional meters are desired by the owner, the owner shall pay for all piping. Where applicable, see Schedule Am-1 for rates.

Repairs to Meters

Meters will be repaired by the water utility, and the cost of such repairs caused by ordinary wear and tear will be borne by the water utility.

Repair of any damage to a meter resulting from the carelessness of the owner of the premises, owner's agent, or tenant, or from the negligence of any one of them to properly secure and protect same, including any damage that may result from allowing a water meter to become frozen or to be damaged from the presence of hot water or steam in the meter, shall be paid for by the customer or the owner of the premises.

Service Piping for Meter Settings

Where the original service piping is installed for a new metered customer, where existing service piping is changed for the customer's convenience, or where a new meter is installed for an existing unmetered customer, the owner of the premises at his/her expense shall provide a suitable location and the proper connections for the meter. The meter setting and associated plumbing shall comply with the water utility's standards. The water utility should be consulted as to the type and size of the meter setting.

Turning on Water

The water may only be turned on for a customer by an authorized employee of the water utility. Plumbers may turn the water on to test their work, but upon completion must leave the water turned off.

Sprinkling Restrictions and Emergency Water Conditions

Where the municipality has a policy regarding sprinkling restrictions and/or emergency water conditions, failure to comply with such may result in disconnection of service.

See Wis. Admin. Code § PSC 185.37.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Failure to Read Meters

Where the water utility is unable to read a meter, the fact will be plainly indicated on the bill, and either an estimated bill will be computed or the minimum charge applied. The difference shall be adjusted when the meter is again read, that is, the bill for the succeeding billing period will be computed with the gallons or cubic feet in each block of the rate schedule doubled, and credit will be given on that bill for the amount of the bill paid the preceding period. Only in unusual cases shall more than three consecutive estimated or minimum bills be rendered.

If the meter is damaged (see Surreptitious Use of Water) or fails to operate, the bill will be based on the average use during the past year, unless there is some reason why the use is not normal. If the average use cannot be properly determined, the bill will be estimated by some equitable method.

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

During reasonable hours, any officer or authorized employee of the water utility shall have the right of access to the premises supplied with service for the purpose of inspection or for the enforcement of the water utility's rules and regulations. Whenever appropriate, the water utility will make a systematic inspection of all unmetered water taps for the purpose of checking waste and unnecessary use of water.

See Wis. Stat. § 196.171.

Vacation of Premises

When premises are to be vacated, the water utility shall be notified, in writing, at once, so that it may remove the meter and shut off the water supply at the curb stop. The owner of the premises shall be liable for prosecution for any damage to the water utility's property. See "Abandonment of Service" in Schedule X-1 for further information.

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

Public Service Commission of Wisconsin

Wausau Water Utility

Water Utility Operating Rules

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38 or Schedule X-4, if applicable.

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

The following is an example of a disconnection notice that the utility may use to provide the required notice to customers.

DISCONNECTION NOTICE

Dear Customer:

The bill enclosed with this notice includes your current charge for water utility service and your previous unpaid balance.

You have 10 days to pay the water utility service arrears or your service is subject to disconnection.

If you fail to pay the service arrears or fail to contact us within the 10 days allowed to make reasonable deferred payment arrangement or other suitable arrangement, we will proceed with disconnection action.

To avoid the inconvenience of service interruption and an additional charge of (amount) for reconnection, we urge you to pay the full arrears IMMEDIATELY AT ONE OF OUR OFFICES.

If you have entered into a Deferred Payment Agreement with us and have failed to make the deferred payments you agreed to, your service will be subject to disconnection unless you pay the entire amount due within 10 days.

If you have a reason for delaying the payment, call us and explain the situation.

Public Service Commission of Wisconsin

Wausau Water Utility

Water Utility Operating Rules

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

PLEASE CALL THIS TELEPHONE NUMBER, (telephone number), IMMEDIATELY IF:

1. You dispute the notice of delinquent account.
2. You have a question about your water utility service arrears.
3. You are unable to pay the full amount of the bill and are willing to enter into a deferred payment agreement with us.
4. There are any circumstances you think should be taken into consideration before service is discontinued.
5. Any resident is seriously ill.

Illness Provision: If there is an existing medical emergency in your home and you furnish the water utility with a statement signed by either a licensed Wisconsin physician or a public health official, we will delay disconnection of service up to 21 days. The statement must identify the medical emergency and specify the period of time during which disconnection will aggravate the existing emergency.

Deferred Payment Agreements: If you are a residential customer and you are unable to pay the full amount of the water utility service arrears on your bill, you may contact the water utility to discuss arrangements to pay the arrears over an extended period of time.

This time payment agreement will require:

1. Payment of a reasonable amount at the time the agreement is made.
2. Payment of the remainder of the outstanding balance in monthly installments over a reasonable length of time.
3. Payment of all future water utility service bills in full by the due date.

In any situation where you are unable to resolve billing disputes or disputes about the grounds for proposed disconnection through contacts with our water utility, you may make an appeal to the Public Service Commission of Wisconsin by calling (800) 225-7729.

(WATER UTILITY NAME)

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Collection of Overdue Bills

An amount owed by the customer may be levied as a tax as provided in Wis. Stat. § 66.0809.

Surreptitious Use of Water

When the water utility has reasonable evidence that a person is obtaining water, in whole or in part, by means of devices or methods used to stop or interfere with the proper metering of the water utility service being delivered, the water utility reserves the right to estimate and present immediately a bill for unmetered service as a result of such interference, and such bill shall be payable subject to a 24-hour disconnection of service. If the water utility disconnects the service for any such reason, the water utility will reconnect the service upon the following conditions:

- A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.
- B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.
- C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

The water utility reserves the right to shut off the water supply in the mains temporarily to make repairs, alterations, or additions to the plant or system. When the circumstances will permit, the water utility will give notification, by newspaper publication or otherwise, of the discontinuance of the water supply. No credit will be allowed to customers for such temporary suspension of the water supply.

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

It shall be the duty of the water utility to see that all open ditches for water mains, hydrants, and service laterals are properly guarded to prevent accident to any person or vehicle, and at night there shall be displayed proper signal lighting to insure the safety of the public.

Public Service Commission of Wisconsin**Wausau Water Utility****Water Utility Operating Rules**Handling Water Mains and Service Laterals in Excavation Trenches

Contractors must call Digger's Hotline and ensure a location is done to establish the existence and location of all water mains and service laterals as provided in Wis. Stat. § 182.0175. Where water mains or service laterals have been removed, cut, or damaged during trench excavation, the contractors must, at their own expense, cause them to be replaced or repaired at once. Contractors must not shut off the water service laterals to any customer for a period exceeding 6 hours.

Protective Devices

- A. Protective Devices in General: The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply and all appliances against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water-cooled compressors for refrigeration systems by means of high and/or low pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- B. Relief Valves: On all "closed systems" (i.e., systems having a check valve, pressure regulator, reducing valve, water filter, or softener), an effective pressure relief valve shall be installed at or near the top of the hot water tank or at the hot water distribution pipe connection to the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe. See applicable plumbing codes.
- C. Air Chambers: An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall be sized in conformance with local plumbing codes. Where possible, the air chamber should be provided at its base with a valve for water drainage and replenishment of air.

Cross-Connections

Every person owning or occupying a premise receiving municipal water supply shall maintain such municipal water supply free from any connection, either of a direct or of an indirect nature, with a water supply from a foreign source or of any manner of connection with any fixture or appliance whereby water from a foreign supply or the waste from any fixture, appliance, or waste or soil pipe may flow or be siphoned or pumped into the piping of the municipal water system.

See Wis. Admin. Code § NR 811.06.

Public Service Commission of Wisconsin

Wausau Water Utility

Water Main Extension Rule

Water mains will be extended for new customers on the following basis:

- A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.
- B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:
 - 1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.
 - 2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.
- C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

Public Service Commission of Wisconsin

Wausau Water Utility

Water Main Installations in Platted Subdivisions

Application for installation of water mains in regularly platted real estate development subdivisions shall be filed with the utility.

If the developer, or a contractor employed by the developer, is to install the water mains (with the approval of the utility), the developer shall be responsible for the total cost of construction.

If the utility or its contractor is to install the water mains, the developer shall be required to advance to the utility, prior to the beginning of the construction, the total estimated cost of the extension. If the final costs exceed estimated costs, an additional billing will be made for the balance of the cost due. This balance is to be paid within 30 days. If final costs are less than estimated, a refund of the overpayment will be made by the water utility.

Wausau Water Utility
Customer Water Bill Comparison at Present and Proposed Rates

Customer Type	Meter Size	Volume (100 Cubic Feet)	<u>Quarterly</u>			<u>Quarterly Including Public Fire Protection</u>		
			Bills at Old Rates	Bills at New Rates	Percent Change	Bills at Old Rates	Bills at New Rates	Percent Change
Small Residential	5/8"	6	\$ 42.27	\$ 59.13	39.89%	\$ 55.41	\$ 78.75	42.12%
Average Residential	5/8"	12	\$ 59.73	\$ 92.61	55.05%	\$ 72.87	\$ 112.23	54.01%
Large Residential	3/4"	24	\$ 94.65	\$ 159.57	68.59%	\$ 107.79	\$ 179.19	66.24%
Large Residential	3/4"	48	\$ 164.49	\$ 293.49	78.42%	\$ 177.63	\$ 313.11	76.27%
Large Residential	3/4"	96	\$ 304.17	\$ 561.33	84.54%	\$ 317.31	\$ 580.95	83.09%
Multifamily Residential	3"	625	\$ 1,992.75	\$ 3,667.50	84.04%	\$ 2,190.75	\$ 3,949.50	80.28%
Multifamily Residential	3"	750	\$ 2,356.50	\$ 4,365.00	85.23%	\$ 2,554.50	\$ 4,647.00	81.91%
Multifamily Residential	3"	870	\$ 2,705.70	\$ 5,034.60	86.07%	\$ 2,903.70	\$ 5,316.60	83.10%
Multifamily Residential	4"	1,790	\$ 5,472.90	\$ 10,258.20	87.44%	\$ 5,799.90	\$ 10,723.20	84.89%
Commercial	2"	1,250	\$ 3,207.33	\$ 6,307.40	96.66%	\$ 3,312.12	\$ 6,457.40	94.96%
Commercial	2"	4,300	\$ 10,069.83	\$ 20,154.40	100.15%	\$ 10,174.62	\$ 20,304.40	99.56%
Commercial	2"	7,100	\$ 16,369.83	\$ 32,866.40	100.77%	\$ 16,474.62	\$ 33,016.40	100.41%
Commercial	6"	9,200	\$ 21,462.00	\$ 42,769.40	99.28%	\$ 22,116.00	\$ 43,699.40	97.59%
Industrial	4"	16,780	\$ 38,307.00	\$ 76,972.60	100.94%	\$ 38,634.00	\$ 77,437.60	100.44%
Industrial	6"	13,350	\$ 30,799.50	\$ 61,610.40	100.04%	\$ 31,453.50	\$ 62,540.40	98.83%
Industrial	6"	16,830	\$ 38,629.50	\$ 77,409.60	100.39%	\$ 39,283.50	\$ 78,339.60	99.42%
Industrial	6"	19,960	\$ 45,672.00	\$ 91,619.80	100.60%	\$ 46,326.00	\$ 92,549.80	99.78%
Public Authority	4"	1,750	\$ 4,489.50	\$ 8,736.40	94.60%	\$ 4,816.50	\$ 9,201.40	91.04%
Public Authority	4"	2,550	\$ 6,289.50	\$ 12,368.40	96.65%	\$ 6,616.50	\$ 12,833.40	93.96%
Public Authority	4"	6,070	\$ 14,209.50	\$ 28,349.20	99.51%	\$ 14,536.50	\$ 28,814.20	98.22%
Public Authority	8"	1,800	\$ 5,058.00	\$ 9,419.40	86.23%	\$ 6,105.00	\$ 10,901.40	78.57%
Irrigation	1 1/2"	735	\$ 3,266.97	\$ 6,290.10	92.54%			
Irrigation	3"	4,120	\$ 18,096.00	\$ 35,035.20	93.61%			
Irrigation	4"	1,980	\$ 8,877.00	\$ 17,020.80	91.74%			
Irrigation	4"	3,500	\$ 15,489.00	\$ 29,880.00	92.91%			



CITY OF WAUSAU
SOLE SOURCE PURCHASE JUSTIFICATION
REQUIRED FORM PURCHASE OF GOODS OR SERVICES EXCEEDING \$10,000

Purchase of goods or services for no more than \$25,000 may be made without competition when it is agreed *in advance* between the Department Head and the Finance Director. Sole source purchasing allows for the procurement of goods and services from a single source without soliciting quotes or bids from multiple sources. Sole source procurement cannot be used to avoid competition, rather it is used in certain situations when it can be documented that a vendor or contractor holds a unique set of skills or expertise, that the services are highly specialized or unique in character or when alternate products are unavailable or unsuitable from any other source. Sole source purchasing should be avoided unless it is clearly necessary and justifiable. The justification must withstand public and legislative scrutiny. The Department Head is responsible for providing written documentation justifying the valid reason to purchase from one source or that only one source is available. Sole source purchasing criteria include: urgency due to public safety, serious injury financial or other, other unusual and compelling reasons, goods or service is available from only one source and no other good or service will satisfy the City's requirements, legal services provided by an attorney, lack of acceptable bids or quotes, an alternate product or manufacturer would not be compatible with current products resulting in additional operating or maintenance costs, standardization of a specific product or manufacturer will result in a more efficient or economical operation or aesthetics, or compatibility is an overriding consideration, the purchase is from another governmental body, continuity is achieved in a phased project, the supplier or service demonstrates a unique capability not found elsewhere, the purchase is more economical to the city on the basis of time and money of proposal development.

1. Sole source purchase under \$10,000 shall be evaluated and determined by the Department Head.
2. Sole source purchase of \$10,001 to \$25,000 a formal written justification shall be forwarded to the Finance Director who will concur with the sole source or assist in locating additional competitive sources.
3. Sole source purchase exceeding \$25,000 must be approved by the Finance Committee.

☐

Ongoing Sole Source – 365 days

☒

One Time Sole Source Request

1. Provide a detailed explanation of the good or service to be purchased and vendor.

Headworks Influent pump control panel 100-CP-1, purchased from Integrated Process Solutions, Inc. (IPS)

2. Provide a brief description of the intended application for the service or goods to be purchased.

The 100-CP-1 Panel controls the back-up system of the Influent Pumping system as well as normal operations of the head works Influent pumps. All controls run through this panel during normal operations. The panel was compromised during severe weather conditions on 6/15/2022. Efforts were made by City representatives seeking replacement compensation of this panel by Miron Construction with no success leaving the City to incur the replacement cost.

3. State why other products or services that compete in the market will not or do not meet your needs or comply with your specifications.

The compromised 100-CP-1 panel was fabricated by IPS and seeking direct replacement from IPS.

4. Describe your efforts to identify other vendors to furnish the product or services.

No efforts were made given the original fabricator was IPS. Looking for direct replacement.

5. How did you determine that the sole source vendor's price was reasonable?

Control Panel accessories and components continue to rise. IPS has provided reasonable replacement cost.

6. Which of the following best describes this sole source procurement? Select all that apply.

- ☐ Product or vendor is uniquely qualified with capability not found elsewhere.
- ☐ Urgency due to public safety, serious financial injury or other. (explain)
- ☒ The procurement is of such a specialized nature that by virtue of experience, expertise, proximity or ownership of intellectual property
- ☐ Lack of acceptable quotes or bids.
- ☒ Product compatibility or the standardization of a product.
- ☐ Continuation of a phased project.
- ☐ Proposal development is uneconomical.

Department: *Wastewater Treatment Facility*

Preparer: *Ben Brooks*

Vendor Name: *Integrated Process Solutions, Inc. (IPS)*

Expected amount of purchase or contract: *\$45,453.00*

Department Head Signature:

Date:

Finance Director Signature:

Date:

Integrated Process Solutions, Inc.

Corporate Office: PO Box 26, Fosston, MN 56542

34696 412 St. SE
Fosston, MN 56542
218.435.1703

107 Avon Ave S Ste. 2
Avon, MN 56310
320.345.1457

606 Cooper Road
Waunakee, WI 53597
608.849.4375

PROPOSAL - 100-CP-1 Replacement

IPS #

DATE: ~~8/5/2022~~ 3/6/2023

IPS Project No. 1779

OWNER: CITY OF WAUSAU

CONTRACTOR: MIRON CONSTRUCTION

PROJECT: WASTEWATER TREATMENT FACILITY IMPROVEMENTS

Integrated Process Solutions, Inc. offers the following to fabricate, test, and startup a replacement control panel for 100-CP-1. This panel is being replaced due to water damage sustained during the events of 6/16/2022.

15

[illegible]

Estimated **Change** in Contract Price:

Estimate Change in Contract Times:

Increase	\$	45,452.50	*Lead time will be provided upon receipt of PO.
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Increase*	TBD Calendar Days*
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Decrease

Decrease Days