

REVISED

OFFICIAL NOTICE AND AGENDA

Notice is hereby given that a public meeting will be held on the date, time and location shown below. Upon attaining a quorum of members, all items listed on the agenda shown below may be considered (discussed and/or acted upon).

Regular / Special Meeting: **Water & Sewer Board**

Date and Time: **March 8, 2023 @ 6:30 pm NOTE DATE AND TIME**

Location: **City Hall, 2000 N. Calhoun Road, Council Chambers**

Members: Chris Blackburn – Chairman, Chuck Bloom III, Bill Carnell, Kris Seals,
Vacancy

(NUMBER OF MEMBERS NEEDED TO MEET QUORUM REQUIREMENTS: 3 OF 5)

1. ROLL CALL
2. ANNOUNCEMENTS
 - a. The next regularly scheduled meeting is Tuesday April 11, 2023 @ 7:00 pm
3. MINUTES
 - a. Minutes of the February 14, 2023 Water and Sewer Board meeting.
4. UNFINISHED BUSINESS
 - a. None
5. NEW BUSINESS
 - a. Award of the Arrowhead Well Station Filter Replacement project #W-22-03
 - b. Award of the Digester Mixing, Gas Handling Improvements and Final Clarifier Rehabilitation project #WW-23-01
 - c. Request to increase fees for laboratory work as part of the WPCCI industrial pretreatment program.
6. ADJOURNMENT

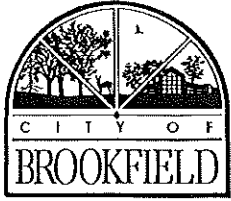
It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice.

THOMAS M. GRISA

DIRECTOR OF PUBLIC WORKS

POSTED: MARCH 3, 2023 @ 2:00 PM

ANY PERSON WHO HAS A QUALIFYING DISABILITY AS DEFINED BY THE AMERICANS WITH DISABILITY ACT THAT REQUIRES THE MEETING OR MATERIALS TO BE IN AN ACCESSIBLE LOCATION OR FORMAT, MAY CONTACT THE CITY CLERK AT (262)782-9650 OR 2000 NORTH CALHOUN ROAD, FOR ACCOMMODATIONS. REQUESTS FOR ACCOMMODATIONS FOR MEETINGS SHOULD BE MADE AT LEAST THREE (3) BUSINESS DAYS IN ADVANCE OF THE MEETING. EVERY EFFORT WILL BE MADE TO ARRANGE ACCOMMODATIONS FOR ALL MEETINGS.



OFFICIAL MINUTES OF A WATER AND SEWER BOARD MEETING:

Regular: Water and Sewer Board

Date and Time: Tuesday, February 14, 2023 at 7:00pm

Location: City Hall, 2000 N. Calhoun Road, Council Chambers

Members Present: Alderman Chris Blackburn-Chairman, Alderman Chuck Bloom III, Alderman Bill Carnell and Alderman Kris Seals

Members Excused: N/A

Others Present: Director of Public Works Tom Grisa, Alderman Scott Berg, Alderman Mike Hallquist, Alderman Rick Owen

1. Roll Call

Alderman Chris Blackburn noted a quorum present and called the Water and Sewer Board to order at 7:02pm.

2. Announcements

The next regularly scheduled meeting will be held on Wednesday, March 8, 2023 at 7:00pm.

3. Minutes

a) Minutes of the January 10, 2023 meeting

Motion by Alderman Chuck Bloom, second by Alderman Bill Carnell to approve the minutes of the January 10, 2023 Water and Sewer Board meeting. Motion carried 4-0.

4. Unfinished Business

a) None

5. New Business

a) Public Hearing for special assessments related to the 2023 Watermain Extension Project #W-23-02

Alderman Blackburn called the public hearing to order. No person requested to speak.

Motion by Alderman Bill Carnell, second by Alderman Chuck Bloom III to move to close the public hearing for special assessments related to the 2023 Watermain Extension Project #W-23-02. Motion carried 4-0.

b) Award of the 2023 Watermain Extension Project #W-23-02

Mr. Grisa advised the City received 7 bids for the Watermain Extension Project, the top bid came in at an assessment rate similar to the 2022 rate. The bidding was very competitive and the project came in under the estimate.

Motion by Alderman Chuck Bloom, second by Alderman Kris Seals to approve the award of the 2023 Watermain Extension Project #W-23-02. Motion carried 4-0.

- c) Final resolution declaring intent to exercise special assessment powers under Section 66.07.03, Wisconsin Statutes, for the 2023 Watermain Extension Project #W-23-02

Motion by Alderman Chuck Bloom, second by Alderman Bill Carnell to approve the final resolution declaring intent to exercise special assessment powers under Section 66.07.03. Motion carried 4-0.

- d) Award of the 2023 Sanitary Sewer Relay Project #SA-23-01

Mr. Grisa commented this project has been on the books for a number of years due to the number of sewer backups in the area indicated in the project. The City received competitive bids but the bids were above the estimate and budget, however, because costs are projected to rise the staff is recommending to award the project.

Alderman Blackburn asked if there are any other areas in the City similar to the area selected for this project. Mr. Grisa replied that the sewers in the City will continue to deteriorate and the City will continue to rehabilitate and maintain them. At this time the City does not have any other Sanitary Sewer Relay projects planned.

Motion by Alderman Kris Seals, second by Alderman Chuck Bloom to approve the award of the 2023 Sanitary Sewer Relay Project #SA-23-01. Motion carried 4-0.

- e) Rejection of bids for the Sanitary Sewer Lateral Replacement project #SA-22-04

Alderman Blackburn asked what this would mean for the project. Mr. Grisa responded this was a project where the City was going to line the laterals using grant money obtained from MMSD. MMSD has put this process on hold. MMSD advised the City to replace the laterals, however, the cost would be significantly higher and the replacement will be much more disruptive.

Mr. Grisa bid the project after two years of not being able to access grant funds. The bids came in 50% higher than what was available in the budget and higher than the estimate. The grant available from MMSD is not subject to increase for the higher bid price. The plan is to allow for lining at a future date.

Motion by Alderman Bill Carnell, second by Alderman Chuck Bloom to approve the rejection of bids for the Sanitary Sewer Lateral Replacement project #SA-22-04. Motion carried 4-0.

- f) Updated Intermunicipal Agreement for Provision of Emergency Water Service between the Village of Menomonee Falls and the City of Brookfield

Motion by Alderman Chuck Bloom, second by Alderman Kris Seals to approve the updated Intermunicipal Agreement for Provision of Emergency Water Service between the Village of Menomonee Falls and the City of Brookfield. Motion carried 4-0.

- g) Dedication of Water Distribution & Sanitary Sewer Systems - Landmark Credit Union

Alderman Blackburn inquired if the dedication is only along the right-of-way. Mr. Grisa responded that the dedications are for the utilities installed. Easements for the project have already been approved by the Board.

Motion by Alderman Bill Carnell, second by Alderman Chuck Bloom to approve the Dedication of Water Distribution & Sanitary Sewer Systems-Landmark Credit Union. Motion carried 4-0.

h) Contract amendment for biosolids disposal with United Liquid Waste Recycling

Mr. Grisa stated this amendment updates the volume and new rate of \$0.09 per gallon for disposal of biosolids. The primary contractor did not have enough capacity to take all of the biosolids in the past, so this allows us an alternative hauler.

Motion by Alderman Chuck Bloom, second by Alderman Kris Seals to approve the contract amendment for biosolids disposal with United Liquid Waste Recycling. Motion carried 4-0.

i) Repair of WPCC influent wet well pump

Alderman Blackburn acknowledged that it is more cost effective to rebuild the pump rather than replace it. Mr. Grisa mentioned the original quote did not include cables. The new total for the pump is \$89,292.60 and is still significantly less than the cost of a new pump.

Alderman Seals asked the age of the pump, the average life expectancy and warranty. Mr. Grisa responded the pump was installed in 1996, the average life expectancy is 20 years for a raw wastewater pump and the typical warranty is 1 to 3 years.

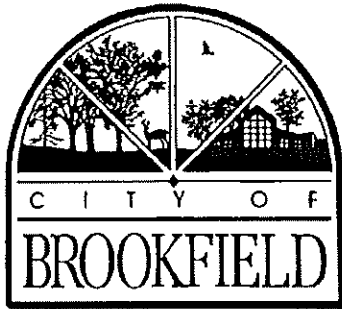
Motion by Alderman Chuck Bloom, second by Alderman Kris Seals to approve the repair of WPCC influent wet well pump. Motion carried 4-0.

6. Adjournment

Motion by Alderman Kris Seals second by Alderman Bill Carnell to adjourn the meeting at 7:23 pm. Motion carried 4-0.

Respectfully Submitted:
Tom Grisa
Director of Public Works

Item 5.a.



DIRECTOR OF PUBLIC WORKS

Thomas M. Grisa, P.E.

2000 North Calhoun Road

Brookfield, Wisconsin 53005-5095

(262) 782-9650 FAX (262) 782-1323

MEMORANDUM

TO: Water and Sewer Board

FROM: Tom Grisa

SUBJECT: Arrowhead Well Station Filter Replacement project W-22-03

DATE: March 2, 2023

The attached resolution awards this contract to August Winter & Sons, Inc. for replacing the existing iron filter at the Arrowhead well station.

The budget for this project was \$650,000. The bid results are shown on Exhibit A below.

Requested Action: Staff is requesting approval of the lowest bid received for the Arrowhead Well Station Filter Replacement project W-22-03 to August Winter & sons, Inc. for their bid price of \$674,000.00

Fiscal Impact:	Construction Contract	\$ 674,000
	Design	\$ 61,323
	Engineering during construction	\$ 30,677
	Contingency (1%)	\$ 6,740
	<u>TOTAL</u>	<u>\$ 772,740</u>

Source of Funds:	CIP Account No. 50198009 601000 W2103	\$ 650,000
	Unspent water bonds from 2022 & prior years	\$ 125,000

Rationale: The Arrowhead well station has an iron filter that needs to be replaced as it is old and corroding. The filter media is also spent and not producing as high a quality of water as is expected. This project will replace the media and the filter and appurtenances such as valves, etc. Staff recommends award of this work.

EXHIBIT "A"

Arrowhead Well Station Filter Replacement project W-22-03

Bid Opening Date: March 2, 2023

Bid Tabulation:

CONTRACTOR	Base Bid	Alternate Bid
1. August Winter & Sons, Inc.	\$ 674,000.00	\$ 25,000.00
2. Rhode Brothers, Inc.	\$ 714,000.00	\$ 14,500.00
3. Mid-City Corporation	\$ 749,800.00	\$-20,000.00
4. Midwest General & Mechanical Contractors, Inc.	\$ 836,120.00	\$ 12,500.00

RESOLUTION # _____ OF THE CITY OF BROOKFIELD, WISCONSIN

Committee: Water and Sewer Board
Committee Date: March 8, 2023
Committee Recommendation:

Public Hearing: n/a
Council Date: March 21, 2023
Council Action:

***Award of Arrowhead Well Station Filter Replacement project
W-22-03***

WHEREAS, the Water and Sewer Board received bids on March 2, 2023 for the Award of Arrowhead Well Station Filter Replacement project W-22-03, and

WHEREAS, the bids received are shown on the tabulation sheet attached hereto and incorporated by reference and marked as Exhibit "A"; and

WHEREAS, the Water and Sewer Board duly determined that the lowest responsible bidder who is August Winter & Sons, Inc. whose base bid was in the amount of \$674,000.000; and

WHEREAS, the low bid exceeds the budget for this project of \$650,000.

NOW, THEREFORE, BE IT RESOLVED, by the Common Council of the City of Brookfield that the contract for the Arrowhead Well Station Filter Replacement project W-22-03 is hereby awarded to August Winter & Sons, Inc. in the amount of their base bid of \$674,000.00, and

BE IT FURTHER RESOLVED, that additional funds from unspent water bonds from 2022 and prior years in the amount of \$125,000 be allocated to this project.

BE IT FURTHER RESOLVED, that the proper city official(s) be hereby authorized and directed to carry out the council's action.

Adopted this 21st day of March, 2023.

Approved:

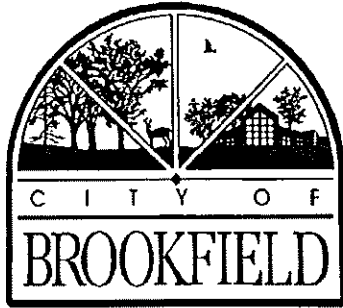
[Signature box for Mayor Steven V. Ponto]

Mayor Steven V. Ponto

Attested:

[Signature box for City Clerk Michelle Luedtke]

City Clerk Michelle Luedtke



DIRECTOR OF PUBLIC WORKS

Thomas M. Grisa, P.E.
 2000 North Calhoun Road
 Brookfield, Wisconsin 53005-5095
 (262) 782-9650 FAX (262) 782-1323

MEMORANDUM

TO: Water and Sewer Board

FROM: Tom Grisa

SUBJECT: WPCC Digester Mixing, Gas Handling improvements and Clarifier Rehabilitation project WW-23-01

DATE: March 2, 2023

The attached resolution awards this contract to August Winter & Sons, Inc. for upgrading the digester mixing system, improving gas handling in the digestion process and rehabilitating three final clarifiers at the Fox River Water Pollution Control Center.

The budget for this project was \$4,770,000. The bid results are shown on Exhibit A below.

Requested Action: Staff is requesting approval of the lowest bid received for the WPCC Digester Mixing, Gas Handling improvements and Clarifier Rehabilitation project WW-23-01 to August Winter & Sons, Inc. for their base bid price of \$7,679,000 plus the alternat bid price of \$75,000 for a total of \$

Fiscal Impact:	Construction Contract	\$ 7,754,000
	Design	\$ 209,240
	Engineering during construction	\$ 97,980
	Contingency (1%)	<u>\$ 77,540</u>
	TOTAL	\$ 8,138,760

Source of Funds:	CIP Account No. 40186009 601000 WW221	\$ 3,230,000
	(2021 = \$100,000, 2022 = \$1,880,000, 2023 = \$1,280,000)	
	CIP Account No. 40186009 601000 WW231	\$ 1,540,000
	Additional funds from wastewater accounts	\$ 3,375,000
	Contract communities pay 50% of the costs in these CIP accounts	

Rationale:

The digester mixing systems are original to the plant, do not work and parts are unavailable. In addition, fire safety and explosive atmosphere guidelines have changes in the past 50 years and it is appropriate to bring the facilities up to current standards. Clarifiers are over 20 years old and need rehabilitation.

The Board remembers that a portion of this project was bid in 2022 and bids were rejected since it became evident that the scope of work for painting the digesters was unclear. By clarifying the scope for the painting and adding in the rehabilitation work for the clarifiers, we hoped bids would be more refined and closer to our budget.

Unfortunately bids were still well in excess of the budget but grouped together and consistent with the previous bid for the digester mixing and gas handling portion of the project. Staff and our consultant evaluated the reason for the higher than estimated cost for this project. It appears that the cost for the clarifiers was higher because of the need for replacing the troughs to allow for the addition of covers to prevent algae growth which negatively affects the phosphorous removal process. The clarifiers also need to have the floor regouted, which was not anticipated originally when the budget was prepared. Furthermore, painting of the digesters still appears to be higher than estimated. These elements likely account for the bulk of the additional cost for this project. However, neither of them could be deleted as they are both critical for efficient operation of the plant and reducing overall maintenance and capital costs at the plant. Deferring maintenance such as painting can require replacement at a much higher price later. Deferring the project could also be subject to even higher costs given the hyper inflation we are currently experiencing.

These projects are necessary to treat the wastewater and biosolids at the plant in a safe and effective manner. The aging infrastructure of the plant will not get better in the future and it is unlikely that costs for such improvements will decrease with time. Accordingly, staff recommends award of this work at the WPCC.

EXHIBIT "A"

WPCC Digester Mixing, Gas Handling improvements, Clarifier Rehabilitation project WW-23-01

Bid Opening Date: March 2, 2023

Bid Tabulation:

CONTRACTOR	Base Bid	Alternate Bid	Total
1. August Winter & Sons, Inc	\$ 7,679,000	\$ 75,000	\$ 7,754,000
2. Staab Construction Corporation	\$ 7,937,000	\$ 70,000	\$ 8,007,000

RESOLUTION # _____ OF THE CITY OF BROOKFIELD, WISCONSIN

Committee: Water and Sewer Board
Committee Date: March 8, 2023
Committee Recommendation:

Public Hearing: n/a
Council Date: March 21, 2023
Council Action:

***Award of WPCD Digester Mixing, Gas Handling improvements
and Clarifier Rehabilitation project WW-23-01***

WHEREAS, the Water and Sewer Board received bids on March 2, 2023 for the WPCD Digester Mixing, Gas Handling Improvements and Clarifier Rehabilitation Project #WW-23-01, and

WHEREAS, the bids received are shown on the tabulation sheet attached hereto and incorporated by reference and marked as Exhibit "A"; and

WHEREAS, the Water and Sewer Board duly determined that the lowest responsible bidder who is August Winter & sons, Inc. whose base bid was in the amount of \$7,679,000 plus alternate #1 of \$75,000 for digester tanks wall sealing for a total of \$7,754,000; and

WHEREAS, the low bid exceeds the budget for this project (inclusive of the 2023 budget) of \$4,770,000; and

WHEREAS, the elements of work for this project are critical infrastructure that needs to be upgraded and maintained in order to operate the plant efficiently, effectively, and safely for the lowest overall long term cost; and

WHEREAS, delaying the work will likely result in even higher costs for this work.

NOW, THEREFORE, BE IT RESOLVED, by the Common Council of the City of Brookfield that the contract for the Digester Mixing, Gas Handling Improvements and Clarifier Rehabilitation project WW-23-01 is hereby awarded to August Winter & Sons, Inc. in the amount of their base bid and alternate #1 for \$7,754,000, and

BE IT FURTHER RESOLVED, that additional funds in the amount of \$3,375,000 be allocated from the wastewater utility for this project.

BE IT FURTHER RESOLVED, that the proper city official(s) be hereby authorized and directed to carry out the council's action.

Adopted this 21st day of March, 2023.

Approved:

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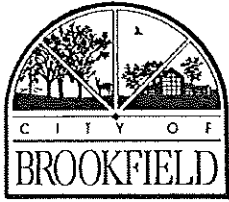
RESOLUTION # _____ OF THE CITY OF BROOKFIELD, WISCONSIN

Mayor Steven V. Ponto

Attested:



City Clerk Michelle Luedtke



MEMORANDUM / STAFF REPORT:

To: WATER AND SEWER BOARD
From: ROBERT BERENSON, WPCC
Date: MARCH 2, 2023
Topic: CHANGES TO INDUSTRIAL USER FEES

Staff is requesting an update to the fees charged to industrial users for charges incurred by the industrial pretreatment program for the wastewater treatment plant. The last time the fees were adjusted were in 2011, so these fee adjustments are necessary to cover costs incurred by the wastewater utility.

RESOLUTION # _____ OF THE CITY OF BROOKFIELD, WISCONSIN

Committee: Water & Sewer Board
Committee Date: March 8, 2023
Committee Recommendation: [Appr/Deny #-#]

Public Hearing: n/a
Council Date: March 21, 2023
Council Action: [Appr/Deny Vote #-#]

Fee Adjustments for the Industrial Pretreatment Program

Whereas, Water & Sewer Board has considered the fee adjustments for costs incurred by the Industrial Pretreatment Program, and

Whereas, the Water & Sewer Board considered the Fee Adjustments for the Industrial Pretreatment Program at its meeting held on March 8, 2023, and recommends approval thereof.

Now, Therefore, Be it Resolved, by the Common Council of the City of Brookfield that it hereby approves Fee Adjustments for the Industrial Pretreatment Program, and

Be it Further Resolved, that the proper city official(s) be hereby authorized and directed to carry out the council's action, including, but not limited to signing documents, implementing technical revisions to documents to effectuate the best interest of the City, and correcting scrivener's errors.

Adopted this 21st day of March 2023.

Approved:



Mayor Steven V. Ponto

Attested:



City Clerk Michelle Luedtke

**FOX RIVER WATER POLLUTION CONTROL CENTER
INDUSTRIAL PRETREATMENT PROGRAM COST STUDY**

February 7, 2023

Industrial Wastewater Effluent Analyses Charges

Analyte(s)	Current charges	Commercial Lab price comparison			Average or Proposed FRWPCC Charges for 1/1/2023
		S-F Analytical, Inc. current charges	Pace Analytical current charges	Northern Lake Service current charges	
Chloride	\$22.00	\$23.30	\$26.00	\$21.37	\$24.00
pH	\$10.00	-	-	-	\$15.00
BOD	\$25.00	\$28.91	\$60.00	\$28.53	\$28.00
TSS	\$16.00	\$21.08	\$25.00	\$15.02	\$20.00
Ammonia	\$18.00	\$27.21	\$28.00	\$21.37	\$26.00
Phosphorus	\$23.00	\$27.21	\$32.00	\$26.22	\$28.00

Tests performed by outside laboratories are billed to the monitored industry at the same rate charged the City.

Field Service and Other Fees

Event	Current FRWPCC	Commercial price comparison			Proposed \$\$
		S-F Analytical \$\$	Badger \$\$	Sigma Env. \$\$	
Discharge Permit (usually 1 per 5 yr)	\$1,000	-	-	-	\$1,500
Industry Inspection	\$150	-	-	-	\$300
24 hr flow proportion. composite sampling	\$350	-	\$425	\$500	\$450
Time Composite	\$275	-	\$325	\$450	\$375
Grab sampling	\$80	-	-	\$150	\$125
Continuous pH and Temperature logging	\$50/day	-	\$100	\$200	\$150/day