

Citizens' Water Advisory Committee (CWAC) Agenda

September 13, 2022, 6:00 p.m.
Aspen Room, 2nd Floor, Aurora Municipal Center/Hybrid

Microsoft Teams Link:
[Click here to join the meeting](#)

Call in (audio only) - 720-388-8447
Phone Conference ID: 240 342 478#

Members: Angie Binder - Chair, Richard "Dick" Eason -Vice Chair, Jay Campbell, Tom Coker, Dennis Dechant, William Gondrez, Janet Marlow, David Patterson, Daniel Widrich

- | | | | |
|-----|--------------------------------------------------|-----------------|-----------|
| 1. | Approval of Minutes – August 9, 2022 | Chair | 6:00 p.m. |
| 2. | Introductions/Public Invited to be Heard | Chair | 6:05 p.m. |
| 3. | New/Old Business | Chair | 6:10 p.m. |
| 4. | Communications Update | Greg Baker | 6:15 p.m. |
| 5. | 2 nd Quarter Financial Update | Jo Ann Giddings | 6:20 p.m. |
| 6. | Water Management Plan Overview | Greg Baker | 6:30 p.m. |
| 7. | Budget Presentation – Special Study Session | Chair | 6:40 p.m. |
| 8. | Review Follow-Up Questions | Greg Baker | 7:00 p.m. |
| 9. | Confirm Next Meeting – Tuesday, October 11, 2022 | Greg Baker | 7:05 p.m. |
| 10. | Adjourn | Chair | 7:10 p.m. |

Citizens’ Water Advisory Committee (CWAC) Minutes
August 9, 2022, 6:00 p.m.
Microsoft Teams

Members Present: Angie Binder – Chair, Dick Eason - Vice Chair, Jay Campbell, Tom Coker, Dave Patterson, Dennis Dechant

Absent: Bill Gondrez, Janet Marlow, Daniel Widrich

Staff Present: Greg Baker, Leiana Baker, Fernando Aranda, Marshall Brown, Alex Davis, Lauren Maggert, Jo Ann Giddings, Melina Bourdeau

Visitors Present: None

The meeting was called to order at 6:03 p.m.

1. Approval of May 10, 2022 and July 12, 2022 Minutes

The May 10, 2022 and July 12, 2022 minutes were approved.

2. Introductions/Public Invited to be Heard

None

3. New/Old Business

None

4. Communications Update

G. Baker stated, 2022-46 Ordinance for the Use of Turf went to Council August 8, 2022. Amendments were requested by Council Member Gardner in regard to the start date and requested a study after three years to see results. The second reading of the ordinance is August 22, 2022. D. Patterson asked, was there a discussion on the square footage of turf in the front and backyard? G. Baker replied, the square footage remains unchanged. M. Brown added, the city of Castle Rock is proposing the same type of ordinance.

5. New Customer Service Portal

J. Giddings presented on the New Customer Service Portal. Water Customer Service and Billing have been working on a project to replace the billing system. The current billing system has been in place since the late 1990s and is no longer able to provide the functionality and efficiency of a more modern system. Customers will start using the new portal on September 6, 2022. A. Binder asked, will you be able to notify everybody in a certain neighborhood that maybe the water is going to be shut off? G. Baker replied, there are features on it we haven’t explored yet. D. Eason asked, how far back does the data usage go and can it be downloaded? J. Giddings replied it’s cloud based and the storage is in the cloud and will need to follow-up. A. Binder asked, is the commercial and residential platform the same? J. Giddings replied, yes. A. Binder asked, is there

a link to Aurora Water Cares when a bill is getting behind? J. Giddings replied, I'm not sure we can build that into it, however, we could say there's assistance available somewhere in that message.

6. 2023 Budget Follow-Up

G. Baker presented on the culture of continual improvement. J. Giddings presented on the budget. M. Brown added, proposing the rate increase to be adjusted in proposed budget from 5% to 4%; remove credit card fee budget increase and prepare customers to move to less costly payment or pay the credit card fees; and Aurora Water Cares – review program for optimal customer benefit and increase customer knowledge of service. A. Binder asked, are you offering other ways to pay like PayPal or Venmo? J. Giddings replied, yes, you can do those now. D. Patterson asked, does Zelle charge a fee and is that an option/alternative to explore? J. Giddings replied, we can look into that. The committee is to provide a letter to City Council by August 19 for inclusion in the City Manager's budget book. This letter will outline the committee's comments on the 2023 proposed operating and 2023-2027 capital improvement budgets. The committee chair or designee will also prepare a presentation for the Special Study Session for Boards and Commissions to be held on September 20. Committee supports the proposed changes and will provide letter.

7. Aurora Water Drought Response

L. Maggert presented on the Aurora Water drought response. The Aurora Water Management Plan (WMP) provides a framework for Aurora's water demand reductions in the event of drought or other water emergencies. This plan identifies supply and demand triggers that would require the implementation of drought stages. These stages define day per week watering restrictions and, at certain levels, result in rate surcharges as a means of reducing water demand across all customer classes. The WMP primarily impacts outdoor water use and is implemented by City Council through a "Water Availability" Resolution. This plan supports the recommendations of the Drought Action Team's which monitors the city's water supply. Water Management Plans have been in place in Aurora since 2003. The current water WMP came into effect beginning in 2017 with four Water Availability (drought) Stages. Staff highlighted Aurora Water's Drought Action Team and Water Management Plan at the April 2022 CWAC meeting. This presentation is a follow-up based on observations of supplies and demands over the summers and the projections for low snow precipitation in the watersheds that Aurora collects its water from this winter. A. Binder why are we moving water down to Spinney and Aurora from the high mountain? L. Maggert replied, we move the water down to optimize our yield. M. Brown added, the other reason is to free up space in the high mountain reservoirs to maximize yield. A. Binder asked, are we filling to capacity? L. Maggert replied, we are not yielding more water than our demands are. The reason you need storage is when snowpack is high you have space to store it. A. Binder would like to see the drought watering stages and the cost/fees for those stages. G. Baker will provide at the September meeting.

8. Review Follow-Up Questions Generated at this meeting

Historic data availability billing, more communication on Aurora Water Cares program.

9. Confirm Next Meeting – Tuesday September 13, 2022

10. Adjourn

The meeting was adjourned at 7.57 p.m.

Angie Binder, Chair
Citizens' Water Advisory Committee

Adopted: _____



To: Citizens' Water Advisory Committee

Through: Marshall P. Brown, General Manager, Aurora Water _____

From: JoAnn Giddings, Deputy Director Water Financial Administration _____

Date: September 13, 2022

Subject: Quarterly Financial Report – Second Quarter 2022

Highlights

Combined operating revenues (Water, Sewer, and Stormwater) through the Second quarter were 6.3 percent higher than plan and 0.4 percent higher than the Second quarter of 2021. Aurora Water implemented in 2022 rate increases of 3.5 percent, 4.0 percent, and 3.5 percent to the Water, sewer, and stormwater service respectively. The increases along with growth helped with the increase in operating revenues compared to 2021.

Combined Development revenues (Water, Sewer, and Stormwater) in 2022 were 7.5 percent higher than plan but 5.0 percent lower than 2021 which was a record year. Aurora Water implemented in 2022 a 10.6 percent and 6.4 percent increase in the water and sewer connection fees no increase was adopted for the storm development fees. Along with the fees increases growth remains healthy within the City.

Operating expenses (Water, Sewer, and Stormwater combined), excluding debt service, are under the plan by \$6.6 million or 9.2 percent. Purchased Vehicle and Equipment Replacement is lower than plan due to supply chain shortages causing delays. Professional Services contract payments are lower than anticipated for the second quarter. Electricity is lower than plan due to the timing of the Homestake invoices. These underruns were offset by higher than plan Credit Cards fees (\$558,000) as well as the Busk Ivanhoe 2022 Special Assessment for the Carlton Tunnel repair which was higher than anticipated (\$1.3 million). The budget for the Busk Ivanhoe Water System Authority was adopted after the City of Aurora's budget development process. Operating expenses, excluding debt service, were higher than 2021 (same period) by \$6.7 million or 11.7 percent.

Statements showing the budget to actual results and the year to year comparison can be found at the end of this memo on pages 9 and 10. Capital details can be found on pages 6 and 7.

Water, Sewer, and Stormwater as of End of Second Quarter					
Item	YTD Plan	2022	2021	Q2 2022 vs YTD Plan	Year Over Year Difference
Operating Revenue	\$93,280,344	\$99,118,827	\$98,738,299	\$5,838,483	\$380,528
Development Revenue	27,289,973	29,328,897	30,960,596	2,038,924	(1,631,699)
Bond Proceeds and Transfers	0	0	183,043,084	0	(183,043,084)
Interest Income	1,364,802	1,540,366	1,759,035	175,564	(218,669)
Total Revenue	\$121,935,119	\$129,988,090	\$314,501,014	\$8,052,971	(\$184,512,924)
Operating Expense	(\$70,962,027)	(\$64,407,692)	(\$57,681,605)	(\$6,554,335)	\$6,726,087
Capital Projects	(110,304,876)	(58,741,808)	(57,384,806)	(51,563,068)	1,357,002
Debt Service	(9,196,109)	(9,195,883)	(28,036,523)	(226)	(18,840,640)
Total Expense	(\$190,463,012)	(\$132,345,383)	(\$143,102,934)	(\$58,117,629)	(\$10,757,551)

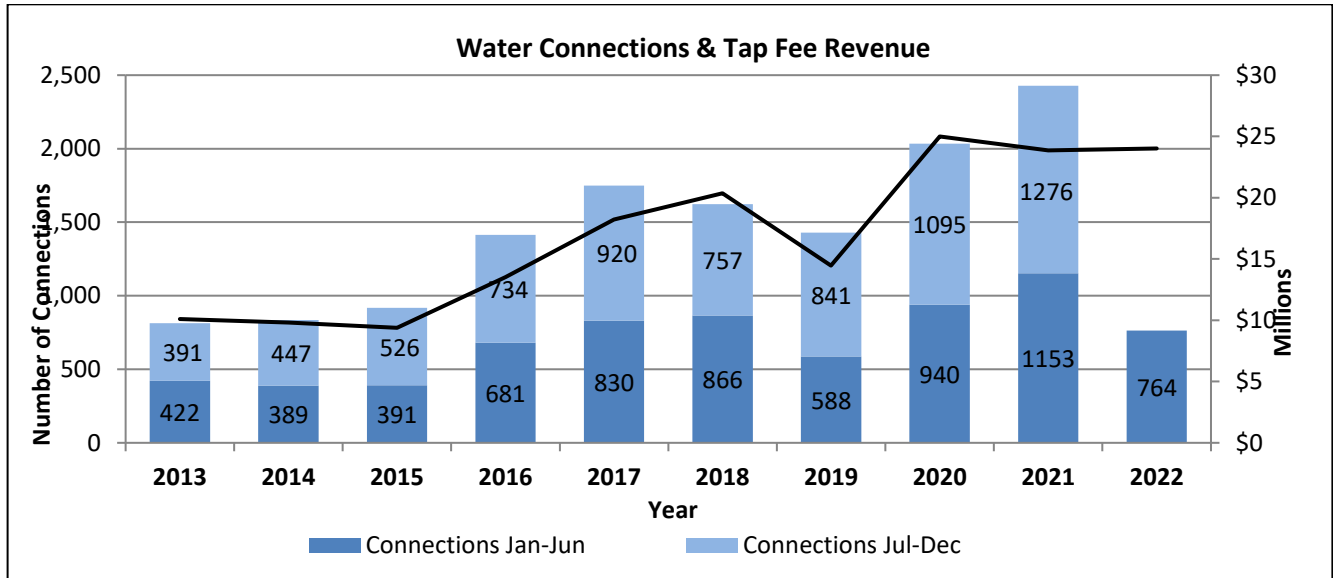
Cash Balances

Reserves detail and cash balances are shown in the table below. The debt policy reserves were updated with the 2023 debt service, 2022 operating budget and the 2021 asset information. Total cash in the water and wastewater fund decreased by \$4.4 million and \$3.2 million respective this is due to capital spending and the seasonal characteristics of the water revenues.

	Water	Wastewater
Total Cash	\$298.8M	\$134.0M
Reserve & Commitment Type		
Debt Service Policy Reserve (next fiscal year debt payment)	\$28.9M	\$8.5M
Operating Reserve (25% of adopted operating budget excl debt service)	\$18.9M	\$15.6M
Water Resources Reserve (\$20 Million)	\$20.0M	
Capital Reserve (0.5% of Net Fixed assets)	\$9.8M	\$3.4M
Capital and Operating Encumbrances	\$115.7M	\$88.9M
Net Restricted Bond Proceeds for Projects	\$23.8M	\$2.8M
Pass-Thru Commitments (METRO and CC Basin)		\$2.6M
WISE Liability to Denver Water	\$5.0M	
Total Reserves and Commitments	\$222.1M	\$121.9M
Cash after Reserves & Commitments	\$76.7M	\$12.1M

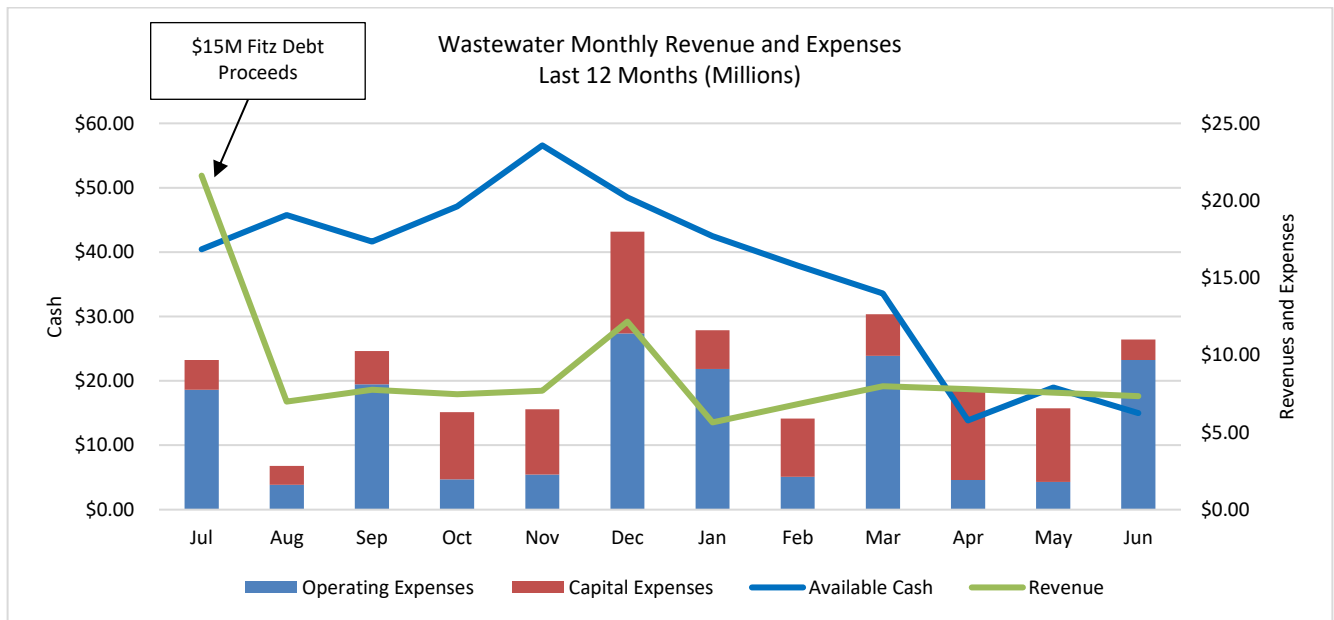
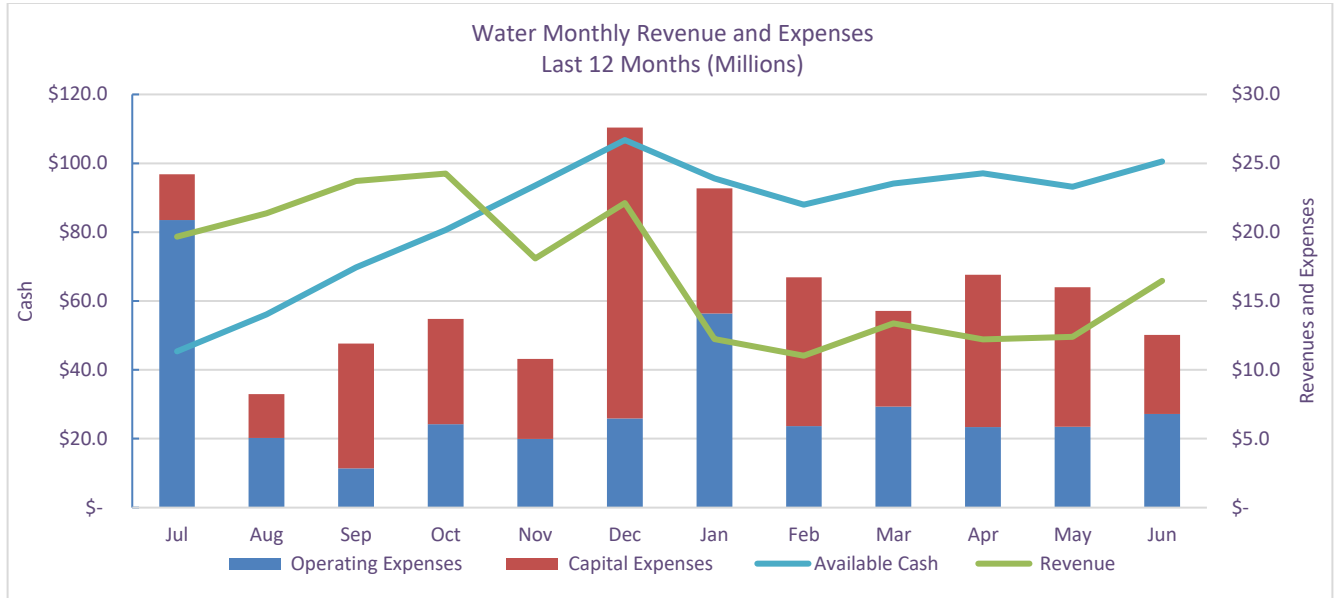
Water Connections

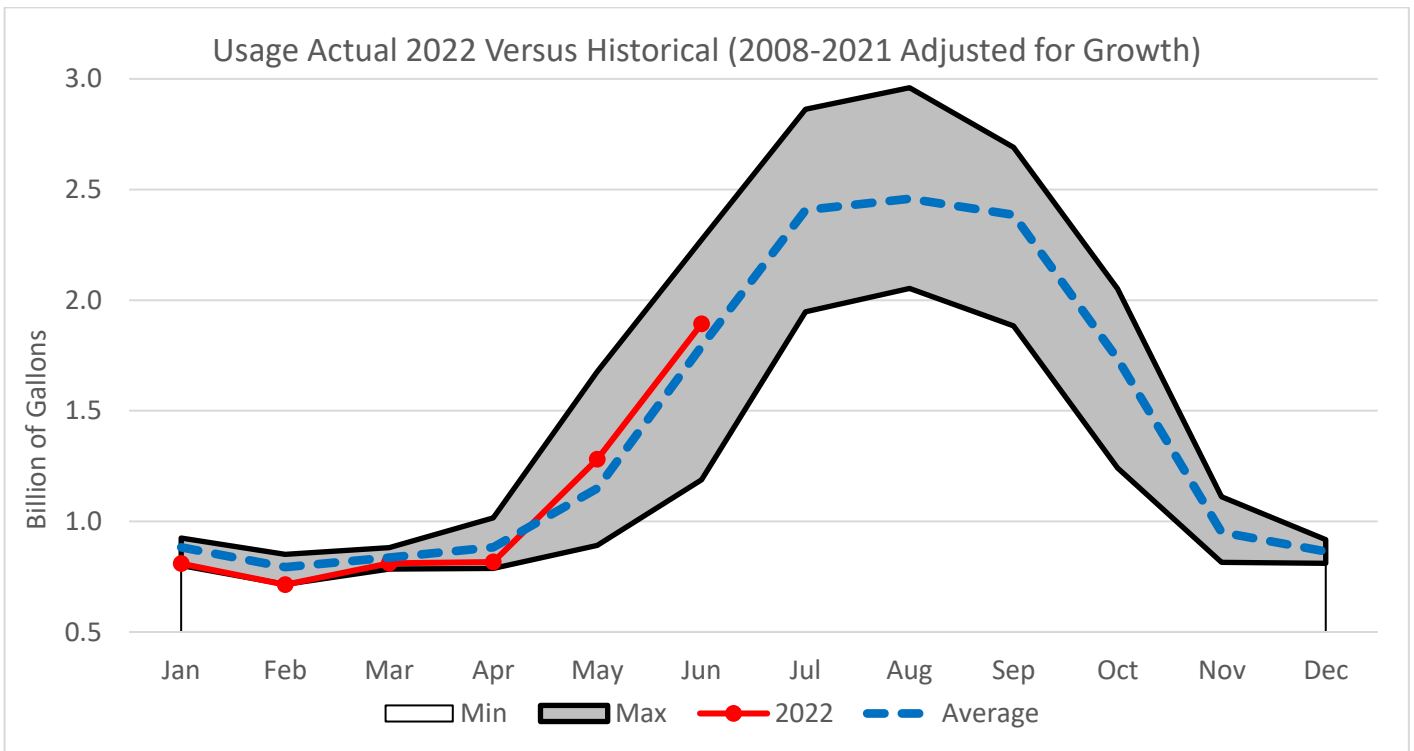
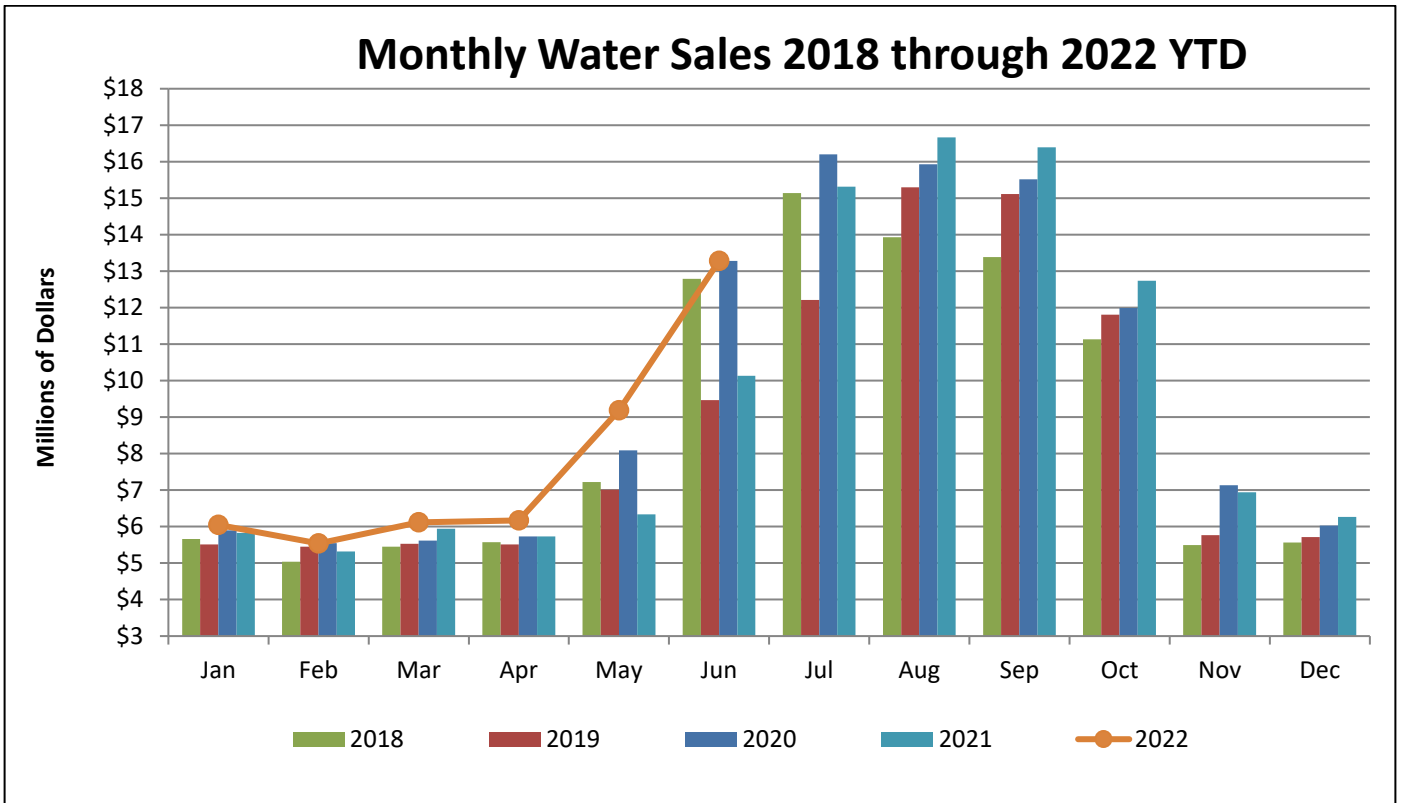
The total number of water connections (single-family, commercial, irrigation and multi-family) and the corresponding Water Connection Fee revenue for 2013-2022 are shown on the following graph. The number of water connections through the Second quarter of 2022 decreased by 389 connections or 34 percent compared to the Second quarter of 2021. Total water connection fee revenues through the Second quarter of 2022 were \$142 thousand (0.6 percent) higher than in the Second quarter of 2021 This was in part due to the adopted 10.6% increase in water connection fees in 2022.



2022 Revenue, Expenses and Cash Flow

The following graphs present a summary of the last 12 months of monthly revenues, expenses, and cash flow.





Overall Capital Plan

Capital Projects Spending as of 06/30/2022

Program	Working Budget*	YTD Spending Plan	YTD Actual Spend	Encumbered**
<u>Water CIP</u>				
Operations & General Management	76,600,674	29,343,846	17,916,824	50,646,850
Pumping	7,123,261	764,487	87,261	2,838,937
SOS Other	51,799,729	7,548,764	2,186,308	11,603,267
SOS Storage	43,542,945	10,236,070	2,167,994	5,744,711
SOS Water	43,842,422	7,331,652	7,430,004	10,650,635
Transmission & Distribution	40,098,504	14,756,488	8,875,056	16,485,864
Treatment	54,527,424	4,008,995	3,391,800	10,649,658
Water Total	317,534,959	73,990,302	\$42,055,247	108,619,923
<u>Sewer CIP</u>				
Collection	75,679,807	12,746,458	4,612,962	45,151,253
Operations & General Management	35,114,752	12,766,984	6,663,815	23,955,386
Sewer Total	\$110,794,559	\$25,513,442	\$11,276,777	69,106,640
<u>Stormwater CIP</u>				
Stormwater	22,487,826	3,709,300	1,520,244	6,735,616
Operations & General Management	15,270,201	7,091,832	3,889,542	10,278,366
Stormwater Total	37,758,027	\$10,801,132	\$5,409,786	\$17,013,982
Wastewater Total	148,552,586	\$36,314,574	\$16,686,563	\$86,120,622
Water & Wastewater Total	466,087,545	\$110,304,876	\$58,741,810	\$194,740,545

*Working budget includes adopted budget, carryforward, transfers, lapsed appropriations, and supplementals.

**Encumbered amounts are PO contracts that may carry multiple years.

Capital Projects Spending

Current economic conditions continue to affect the supply chain and labor force, as well as changing development plans impacting utility corridors, and increased permitting timelines.

Total capital spending in the Water Fund through the Second quarter was \$42.1 million, which was \$31.9 million less than the year-to-date spending plan of \$74.0 million. Timing differences in anticipated spending continue to be a factor for the spending shortfalls. Weather and supply chain issues contributed to delays at the South East Area Maintenance Facility (SEAM). North Campus Well Field Expansion is \$2.4 million less than plan due to a delay in starting construction. Delays in acquiring permitting from the Bureau of Land Management for Wild Horse Reservoir (SOS Storage) is anticipated to be resolved in early September. Water Rights opportunistic purchases in 2022 is \$1.4 million more than planned primarily due to the purchase of the remaining London Mine water rights. Horizontal Wells (6MGD) is

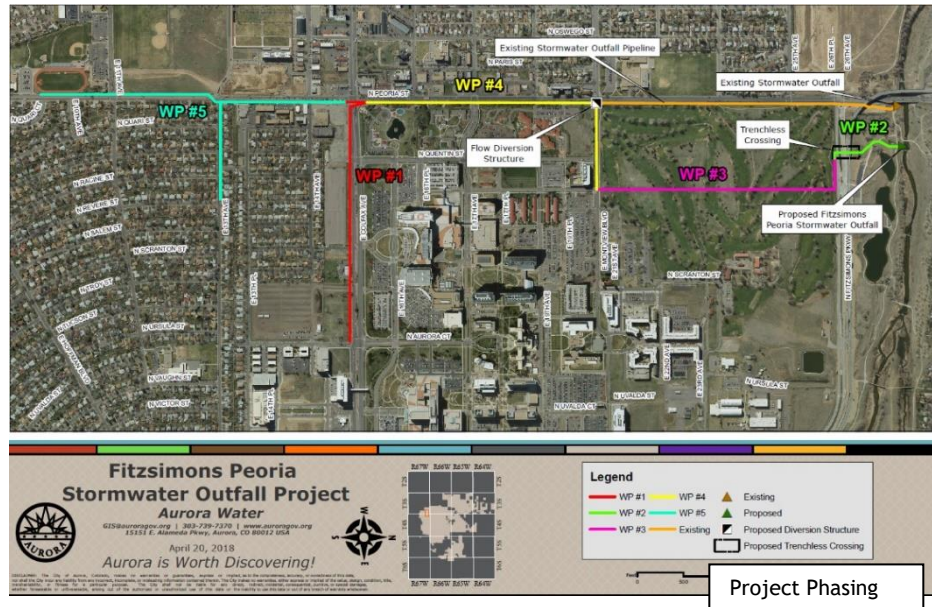
less than plan due to delays in design and construction. Many of the projects in the Water Fund are encumbered for a total of \$108.6 million.

Through the Second quarter, total capital spending in the Wastewater Fund was \$16.7 million, which was \$19.6 million less than the spending plan of \$36.3 million. There are also timing differences of anticipated spending in the Wastewater Fund. The South East Area Maintenance Facility (SEAM) is \$4.4 million less than plan due to weather and supply chain issues. In the Collection program, the Senac Creek Interceptor is \$1.9 million less due to delay in material procurement and timing of the project start date. The Diversion Structure Rehab project is \$1.4 million less than plan due to contractor delays in material procurement, however construction is scheduled to be completed in 2022. In addition, the Gateway Lift Station Parallel Force Main is \$1.4 million less than plan due to a determination that an increase in the size of the flow meter could delay the need for constructing a parallel force main by providing increased reading accuracy. Many of the projects in the Wastewater Fund are encumbered for a total amount of \$86.1 million.

Capital Improvement Project of the Quarter Fitzsimons – Peoria Stormwater Outfall Project

Background

Aurora Water has executed the Fitzsimons-Peoria Stormwater Outfall Project, which upgraded stormwater conveyance capacity in the Fitzsimons-Peoria corridor to meet current city standards in a cost-effective and timely manner, while minimizing community impacts and ensuring safety through project completion in January 2022. The project included the installation of approximately 13,000-feet of pipe ranging in diameters from 30-inches to 102-inches and all associated Stormwater appurtenances. These improvements will provide flood protection from the 100-year storm event to 230 residences and 40 businesses.



Scope of Work

WP#1 included a Colfax main branch of stormwater pipeline. It will be aligned in the eastbound lanes and required the closure of two (2) eastbound lanes for construction. WP#1 also included two (2) tunneled crossings of Colfax at Peoria, one in Peoria Street and one diagonal crossing of the westbound lanes of Colfax.



WP#2 included the portion of stormwater piping from the abandoned Fitzsimons Golf Course to the Sand Creek Outfall. The new pipeline is connected to an existing, underutilized 72-inch stormwater pipeline that discharges to Sand Creek. Utilizing excess capacity of the existing 72-inch line reduces the size needed to convey the balance new predicted flows.

WP#3 extends east from the new junction structure on the existing 72-inch pipeline to the future Racine Street, and turns south and be located within the planned future Racine roadway Right-of-Way (ROW) between Fitzsimons Parkway and Montview Boulevard. This reach of pipeline was coordinated with the Fitzsimons Redevelopment Authority (FRA) to include anticipated flows from portions of the FRA redevelopment.

WP#4 included the alignment along Montview Boulevard between Racine Street and Peoria Street, and the alignment along Peoria Street between Montview Boulevard and Colfax Avenue. At the intersection of Montview Boulevard and Peoria Street, a new junction structure will be placed on the existing 60-inch stormwater pipeline. This junction structure will allow the existing 60-inch pipeline to be used as an overflow to an existing outfall at Sand Creek, reducing the size of pipeline needed for the new downstream infrastructure.

WP#5 was the last phase of construction and included the new Peoria Street branch between Colfax Avenue and Quari Court, along with some minor improvements along 13th Avenue. Starting with the connection to the Work Package No. 1, Colfax Crossing, the existing stormwater pipeline was removed and replaced.

2022 Financial Comparison

The following table presents a comparison of budget to revenues and expenses through the Second quarter for the year 2022.

WATER as of 06/30/2022				
Revenues & Expenses	Working Budget*	YTD Plan	YTD Actual (Accrual Basis)	% Actual to Plan
Operating Revenue	\$140,748,853	\$55,033,911	\$60,712,071	10%
Development Revenue	54,165,843	22,745,970	24,459,850	8%
Interest Income	1,933,602	966,804	1,088,910	13%
Total Revenue	\$196,848,298	\$78,746,685	\$86,260,831	10%
Operating Expense	(\$78,977,791)	(\$39,445,927)	(\$36,298,181)	-8%
Capital Projects	(317,534,959)	(73,990,302)	(42,055,247)	-43%
Debt Service	(28,578,370)	(7,521,263)	(7,521,263)	0%
Total Expense	(\$425,091,120)	(\$120,957,492)	(\$85,874,691)	-29%
Net Revenue & Expense	(\$228,242,822)	(\$42,210,807)	\$386,140	
SEWER as of 06/30/2022				
Operating Revenue	\$53,330,062	\$25,867,041	\$25,840,042	0%
Development Revenue	8,311,081	3,497,944	3,454,664	-1%
Interest Income	521,180	234,000	242,862	4%
Total Revenue	\$62,162,323	\$29,598,985	\$29,537,568	0%
Operating Expense	(\$49,030,333)	(\$24,182,729)	(\$23,011,992)	-5%
Capital Projects	(110,794,559)	(25,513,442)	(11,276,776)	-56%
Debt Service	(4,961,015)	(1,063,956)	(1,063,956)	0%
Total Expense	(\$164,785,907)	(\$50,760,127)	(\$35,352,724)	-30%
Net Revenue & Expense	(\$102,623,584)	(\$21,161,142)	(\$5,815,156)	
STORMWATER as of 06/30/2022				
Operating Revenue	\$24,758,790	\$12,379,392	\$12,566,714	2%
Development Revenue	2,500,000	1,046,059	1,414,383	35%
Interest Income	328,000	163,998	208,594	27%
Total Revenue	\$27,586,790	\$13,589,449	\$14,189,691	4%
Operating Expense	(\$15,046,256)	(\$7,333,371)	(\$5,097,519)	-30%
Capital Projects	(37,758,027)	(10,801,132)	(5,409,785)	-50%
Debt Service	(3,936,738)	(610,890)	(610,664)	0%
Total Expense	(\$56,741,021)	(\$18,745,393)	(\$11,117,968)	-41%
Net Revenue & Expense	(\$29,154,231)	(\$5,155,944)	\$3,071,723	

*Working budget includes adopted budget, carryforward, transfers, lapsed appropriations, and supplementals.

Year-to-date Comparison to Prior Year (Water, Sewer and Stormwater)

The following table presents a comparison of revenues and expenses through the Second quarter for years 2022 and 2021.

WATER Second Quarter Comparison			
Revenues & Expenses	2022	2021	% Change
Operating Revenue	\$60,712,071	\$62,480,030	-3%
Development Revenue	24,459,850	24,261,592	1%
Bond Proceeds and Transfers	0	122,760,000	-100%
Interest Income	1,088,910	1,266,831	-14%
Total Revenue	\$86,260,831	\$210,768,453	-59%
Operating Expense	(\$36,298,181)	(\$33,093,416)	10%
Capital Projects	(42,055,247)	(47,230,227)	-11%
Debt Service	(7,521,263)	(\$11,507,916)	-35%
Total Expense	(\$85,874,691)	(\$91,831,559)	-6%
Net Revenue & Expense	\$386,140	\$118,936,894	
SEWER Second Quarter Comparison			
Operating Revenue	\$25,840,042	\$24,486,351	6%
Development Revenue	3,454,664	4,663,605	-26%
Bond Proceeds and Transfers	0	60,283,084	-100%
Interest Income	242,862	287,615	-16%
Total Revenue	\$29,537,568	\$89,720,655	-67%
Operating Expense	(\$23,011,992)	(\$19,736,842)	17%
Capital Projects	(11,276,776)	(6,509,521)	73%
Debt Service	(1,063,956)	(\$10,319,983)	-90%
Total Expense	(\$35,352,724)	(\$36,566,346)	-3%
Net Revenue & Expense	(\$5,815,156)	\$53,154,309	
STORMWATER Second Quarter Comparison			
Operating Revenue	\$12,566,714	\$11,771,918	7%
Development Revenue	1,414,383	2,035,399	-31%
Bond Proceeds and Transfers	0	0	0%
Interest Income	208,594	204,589	2%
Total Revenue	\$14,189,691	\$14,011,906	1%
Operating Expense	(\$5,097,519)	(\$4,851,347)	5%
Capital Projects	(5,409,785)	(3,645,058)	48%
Debt Service	(610,664)	(\$6,208,624)	-90%
Total Expense	(\$11,117,968)	(\$14,705,029)	-24%
Net Revenue & Expense	\$3,071,723	(\$693,123)	



TO: Citizens' Water Advisory Committee

THROUGH: Marshall Brown, General Manager, Aurora Water

FROM: Greg Baker, Manager of Public Relations, Aurora Water

DATE: September 14, 2022

SUBJECT: Water Management Plan overview

Purpose:

The Aurora Water Management Plan (WMP) provides a framework for Aurora's water demand reductions in the event of drought or other water emergencies. This plan identifies supply and demand triggers that would require the implementation of drought stages. These stages define day per week watering restrictions and, at certain levels, result in rate surcharges as a means of reducing water demand across all customer classes. The WMP primarily impacts outdoor water use and is implemented by City Council through a "Water Availability" Resolution. This plan supports the outcome of the Drought Action Team's recommendations.

Background:

Water Management plans have been in place in Aurora since 2003. Staff presented on the current Water Management Plan, in place since 2017, at the April 2022 CWAC meeting in support of a discussion on Aurora Water's Drought Action Team. At an update on drought conditions presented at the August 2022 meeting, the committee requested a short refresher on the Water Management Plan as part of a discussion on the potential to moving to a Stage I drought stage early in 2023.



Action Required:

No action required. Informational item only.

Attachments: 2017 Water Management Plan

Water Management Plan



Greg Baker
Public Relations Manager
Aurora Water



1

Purpose

The purpose of the Aurora Water Management Plan is to provide a framework for the City of Aurora’s water demand reductions in the event of drought or other water emergencies.



2

Authorization

Aurora City Code 138-223 (b)

- (2) The allowable citywide outdoor allocation shall be determined by city council and is a function of the reservoir levels, usage, and the projected yield of the water supply system and will be described in the current water management plan.
- (3) The water management plan shall refer to the rules and regulations established by the director of water regarding water allocation, usage restrictions, and conservation adopted pursuant to section 2-3.



3

Water Management Plan Implementation

- “Water Availability” Resolution from City Council
- Use of “Water Availability” Stages
 - Limits outdoor water use only - Irrigation primarily
 - Day per week restrictions
 - Enforceable through fines attached to water bill
 - Can result in surcharges to rates



4

Current Triggers

Water Availability Stage Conditions and Demand Reduction Recommendation				
Water Availability Stage	NORMAL	Stage I SEVERELY DRY	Stage II EXCEPTIONALLY DRY	Stage III EMERGENCY CONDITIONS
Trigger - Months of supply based on current demand	Above 30 months	30-25 months	24-13	12 months or less
Demand Reduction Recommendation (outdoor use only)	0%	20%	50%	100%



5

Water Management Plan Implementation

- Current WMP Four stages
 - Normal – 3 day per week, non-fixed
 - Stage I – 2 day week, fixed days, surcharge, 20% reduction
 - Stage II – 1 day week, fixed day, surcharge, 50% reduction
 - Stage III – No outdoor water use, surcharge, 100% reduction
- Watering Variance Program for large properties



6

Water Management Plan

Delineate restrictions by customer class

Water Management Plan - Program Elements				
ELEMENT	NORMAL	SEVERELY DRY Stage I	EXCEPTIONALLY DRY Stage II	EMERGENCY CONDITIONS Stage III
		Surcharge in effect	Surcharge in effect	Surcharge in effect
Residential (Single-Family, Multi-Family)				
Turf Lawns <i>Irrigation of existing lawns is permitted throughout the year unless restricted by Water Availability Resolution.</i>	Irrigation of existing lawns, is not to exceed 3 days per week. No watering is permitted between 10 am and 6 pm from May 1 to September 30.	Irrigation of existing lawns is allowed on a 2 day per week schedule to be based on the home address (even/odd). No watering is permitted between 10 am and 6 pm from May 1 to September 30.	Irrigation of existing lawns is allowed on 1 day/wk schedule based on address (even/odd). No watering is permitted between 10 am and 6 pm from May 1 to September 30.	No irrigation of lawns.
Annuals (flowers), Home Vegetable Gardens, Trees, Shrubs and Perennials <i>Gardens, when properly managed, typically require 50% less water than cool weather turf.</i>	May be watered by automatic system on any day, and by hand at any time. No automatic system irrigation from 10 am and 6 pm between May 1 and September 30.	May be watered by automatic system on any day, and by hand at any time. No automatic system irrigation between 10 am and 6 pm from May 1 and September 30.	May be watered by hand, drip, deep root mechanical bubblers or subsurface irrigation only.	No irrigation of plant material.
Car Washing at Home	Allowed with shut off nozzle and bucket.			Not allowed



7

Water Management Plan

Delineate restrictions by customer class

Water Management Plan - Program Elements				
ELEMENT	NORMAL	SEVERELY DRY Stage I	EXCEPTIONALLY DRY Stage II	EMERGENCY CONDITIONS Stage III
		Surcharge in effect	Surcharge in effect	Surcharge in effect
Commercial and Irrigation Only Accounts				
Commercial and irrigation accounts are eligible to enroll in the Large Property Watering Variance Program for greater flexibility in irrigation practices. The requirements for this program are available by calling the Water Conservation Office at 303.739.7195. For entities not enrolled in the Water Variance program, the program elements identified under Residential Customers applies.				No Watering.



8

Questions?



Citizens' Water Advisory Committee

*2022 Proposed Budget
Aurora Water*



*Janet Marlow
Chair*

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1

CWAC Budget Review

July 13, 2021 CWAC Meeting

- Proposed 2022 Aurora Water Budget
 - 2021 Revenue projections
 - Operational and capital expenditures
- Proposed 2022 Aurora Water Rates & Fees



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CWAC Budget Review

Based on conservative assumptions

- Water Fund
 - \$72.9 million in operational expenses
 - \$28.6 million debt service
 - \$106.0 million for capital projects expense

- Wastewater fund (includes stormwater)
 - \$60.4 million in operating expenses
 - \$9.2 million debt service
 - \$47.8 million for capital projects expense



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3

Proposed Rate Adjustment - Overall

- Rate increase originally planned for 2021 delayed due to economic uncertainty resulting from pandemic

Utility	2021	2022	2023	2024	2025	2026
Water	0.0%*	3.5%	3.5%	0.0%	3.5%	0.0%
Sewer	0.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Stormwater	0.0%	3.5%	3.5%	0.0%	3.5%	0.0%



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Proposed Residential 2022 Water Rates

Tier	Existing	Proposed	Difference
Tier 1 / 0-5 Kgal	\$5.63	\$5.63	\$0.00
Tier 2 / 6-10 Kgal	\$5.73	\$5.93	\$0.20
Tier 3 / 11-20 Kgal	\$5.83	\$6.50	\$0.67
Tier 4 / 21 Kgals+	\$8.01	\$10.00	\$1.99

- Consistent with the multi-year phase-in plan
- No increase on the first 5K gallons
- Promotes affordability for low users



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Proposed 2022 Water Rates *Multifamily, Commercial & Irrigation*

Class	Existing Rate	2022 Proposed	Difference	% Difference
Multi-Family 2+ Units	\$5.80	\$5.92	\$0.12	2.0%
Irrigation	\$7.21	\$7.46	\$0.25	3.5%
Commercial	\$5.87	\$6.11	\$0.24	4.1%

Block 1 Volumetric Rate per Kgal



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Service Charges

Meter	Residential, Commercial, Multi-Family Class			Irrigation Customers		
	Existing	Proposed	Difference	Existing	Proposed	Difference
5/8" & 3/4"	\$12.81	\$13.00	\$0.19	\$12.01	\$12.43	\$0.42
1"	\$19.59	\$19.88	\$0.29	\$17.58	\$18.20	\$0.62
1 1/2"	\$30.90	\$31.36	\$0.46	\$26.88	\$27.82	\$0.94
2"	\$44.47	\$45.14	\$0.67	\$38.04	\$39.37	\$1.33
3"	\$80.64	\$81.85	\$1.21	\$67.79	\$70.16	\$2.37
4"	\$121.33	\$123.15	\$1.82	\$101.26	\$104.80	\$3.54
6"	\$234.38	\$237.90	\$3.52	\$194.24	\$201.04	\$6.80
8"	\$479.57	\$486.76	\$7.19	\$305.80	\$316.50	\$10.70



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Service Charges

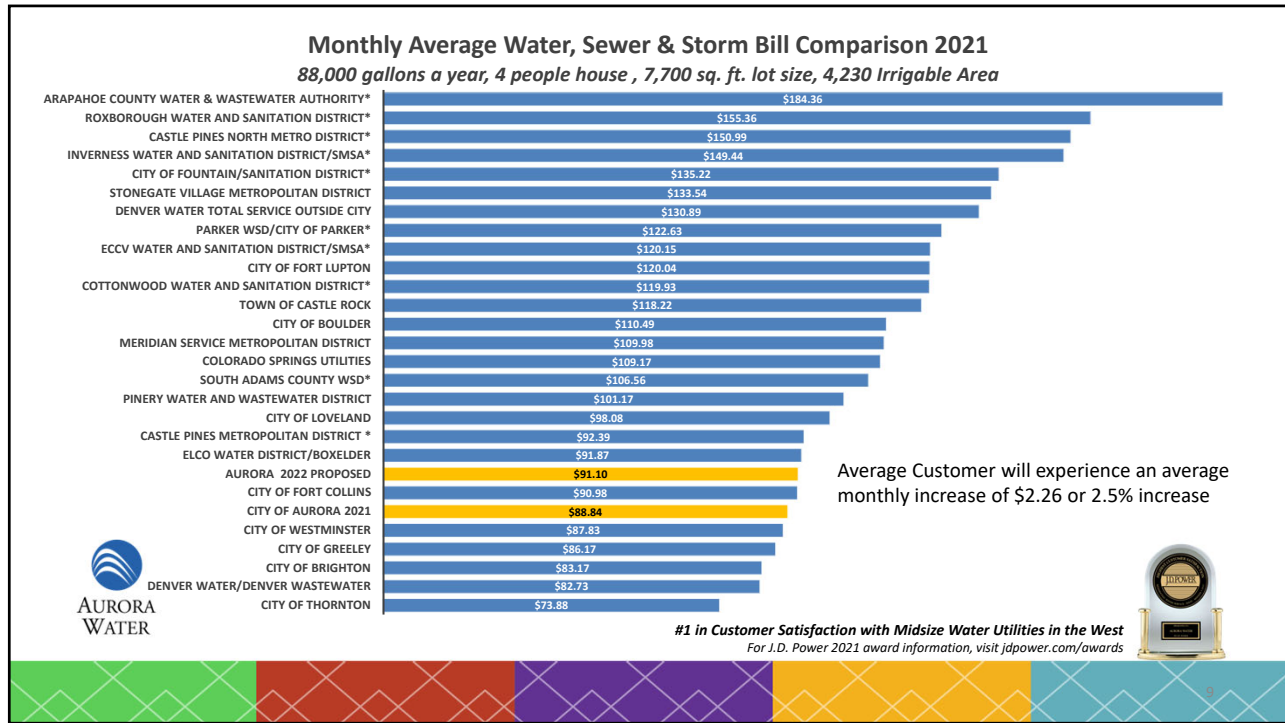
Fire Line	Fire Protection (4.7%)			Hydrant Meter (3.5%)		
	Existing	Proposed	Difference	Existing	Proposed	Difference
2"	\$2.08	\$2.18	\$0.10	\$11.72	\$12.13	\$0.41
3"	\$4.56	\$4.77	\$0.21	\$74.36	\$76.96	\$2.60
4"	\$8.21	\$8.59	\$0.38			
6"	\$18.24	\$19.10	\$0.86			
8"	\$31.27	\$32.74	\$1.47			
10"	\$49.51	\$51.84	\$2.33			
12"	\$65.14	\$68.20	\$3.06			
Rate Per 1,000 Gallons				\$9.47	\$9.80	\$0.33



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Water Connection Fee Components

- Water acquisition and related costs are increasing

Item	Existing Fee 2019-21 (gpd)	Full Calculated Fee (gpd)
Water Resource Fee	\$16.23	\$19.60
Source of Supply	\$22.29	\$25.22
Treatment & Transmission	\$10.92	\$11.38
Transmission Dev. Fee	\$1.39	\$2.29
Carrying Cost	\$2.04	\$2.04
Water Losses	\$10.75	\$12.59
Total Water Connection Fee	\$63.62	\$73.12

- 2016 Connection Fee Study based on IWMP
 - Fee was phased-in through 2023
 - Water Transmission Development fee assessed at time of building permit in 2017
- Water Resource fee assumes \$17,500 per AF**
 - 2019-21 Water Resource fee assumed \$14,490

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Committee Recommendation

- CWAC supports the proposed 2022 Water & Wastewater Fund budgets
- CWAC supports the proposed 2022 Water, Wastewater and Storm Drain rate increases
- CWAC supports the 2022 Water & Wastewater Development (Connection) fee increases



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Questions?



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12

August 19, 2023

Mayor and Members of Aurora City Council
15151 East Alameda Parkway
Aurora, CO 80012

Honorable Mayor and Members of Council:

The Citizens Water Advisory Committee (CWAC) began our review of the Aurora Water proposed 2023 budget at our July 12th meeting, with additional information and discussion at the August 9th meeting. The August meeting focused on the budget process, the Department's Culture of Continual Improvement, regulatory challenges, and budget adjustments. This review covered the 2023 proposed operating budget and the 2023-2027 capital improvement budget. The 2023 budget as proposed will include a 4% average increase in water, 5% increase in sewer rates and 3.5% increase in stormwater rates. In order to maintain and build Aurora Water's infrastructure, an increase in water connections fees is proposed at 11% for 2023. Sewer connection fees are proposed to increase by 6.4%. There are no proposed increases in stormwater development fees in 2023.

The Water Fund revenue for 2023 is budgeted at \$207.2 million which is \$10.3 million more than the 2022 projected revenue, excluding proceeds from borrowing. Wastewater Fund revenue is budgeted at \$139.2 million, which is \$48.2 million more than the 2022 projected revenue, including \$45 million proceeds from borrowing. The combined 2023 proposed operating budget (Water & Wastewater) is \$190.8 million, which is \$14.9 million more than the 2022 Adopted Budget. This is primarily due to increases in debt related principal and interest payments, an increase in utilities, increases in supplies and services, and additional personnel requests. Aurora Water's combined Capital Improvement Program for the next 5 years will be approximately \$1.1979 billion, which is \$317.4 million more than projected in 2022. This includes the AMI – meter replacement program, solar projects, SCADA improvements, and pump station improvements. Major capital projects focus on system maintenance and expansion and acquisition of water rights including the Rampart Delivery System expansion, expansion of the Prairie Waters North Campus, Wild Horse Reservoir, Homestake, aquifer storage and recovery, and Lower South Platte Storage. Also included in the capital program are transmission and distribution projects, improvements and upgrades to treatment facilities, stormwater improvements, and sewer projects.

The projected revenue includes rate increases in 2023. Water rate increases of 4% are projected in 2023. Revenue is proposed to be at \$207.2 million in 2023. The increase in 2023 revenues is based on growth and rate and fee increases. In 2023, Sewer rate revenue is expected to increase by 5.0% and Stormwater revenue is projected to increase by 3.5%.

After the July CWAC discussion, the request for new positions has been reduced by 2.0 FTEs. The total FTEs proposed for 2023 is 504. This includes the absorption of two program areas, Access Aurora and Storm Drainage personnel and functions from Public Works. As the City continues to grow and staffing needs increase, we appreciate Aurora Water's re-evaluation of personnel needs.

The City of Aurora is projected to continue to grow at 1.3% in 2023, adding further pressure on the water, sewer and wastewater infrastructure and system. Combined with the necessity to maintain the aging infrastructure, increased costs for capital projects and operating expenses including utilities, supplies and services are driving rate and fee increases. In this challenging financial environment, we encourage Aurora Water to explore efficiency opportunities and additional cost reduction measures, as rate payers are also experiencing higher

pocketbook costs. It is important for Aurora Water to remain competitive on rates and tap fees in order to attract industry and operate as efficiently as possible while not sacrificing service levels or quality.

The committee is unanimously in favor and supportive of the proposed 2023 budget with the rate and fee increases for 2023. The committee is also in favor of the proposal to remove the credit card fee budget increase and prepare customers to move to less costly payment methods or pay the affiliated credit card fee, with the Department studying other potential no-cost payment options to increase payment flexibility for customers.

Aurora Water staff continues to do an excellent job in navigating the complexities of a sizeable water system, the weather, and the ever-changing political environment. They continue to expand conservation education in schools and to the general public, work diligently on a variety of ways to communicate to residents and businesses, continue to seek out new technology and efficiencies, additional water storage and water sources, and partnerships while operating an aging infrastructure and population growth.

Sincerely,

Angie Binder – Chair

Richard Eason – Vice Chair

Jay Campbell

Dennis Dechant

Tom Coker

William Gondrez

Janet Marlow

David Patterson

Daniel Widrich