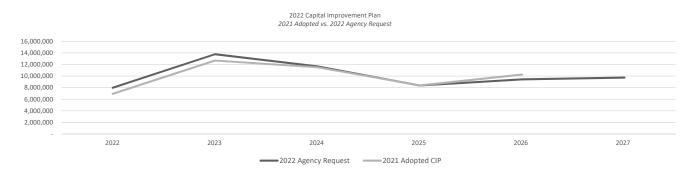
#### Capital Improvement Plan

	2021 Adopted	2022 Request	Change
2022 Capital Budget	6,943,000	7,971,000	1,028,000
2022 Capital Improvement Plan*	49,796,000	51,208,700	1,412,700
	*Years 2022 to 2	2026 used for comp	arison.

	2021 Adopted	2022 Request	
Number of Projects	18	24	

#### Project Summary: Agency Request

	2022	2023	2024	2025	2026	2027
Atwood Avenue	24,000	1,922,000	-	-	-	-
Blair Street, S.	24,000	-	-	-	-	-
Blair/John Nolen Intersection	24,000	-	-	-	-	-
Booster Pump Station #213 Lakeview Reconstruction	-	-	188,000	1,161,000	-	-
Chlorinators & Florinators Program	35,000	35,000	40,000	40,000	41,000	42,000
Mineral Point Road	-	-	-	-	-	32,000
Outer Capitol Loop Southeast	-	27,000	-	-	-	-
Park Street, South (Olin to RR)	-	25,000	-	437,000	-	-
Pleasant View Road - Phase 1	24,000	805,000	-	-	-	-
Unit Well #8 Reconstruction	-	-	-	88,000	1,778,000	2,292,000
Unit Well 12 Conversion to a Two Zone Well	-	263,000	3,754,000	41,000	-	-
Unit Well Rehab Program	330,000	247,000	340,000	254,000	350,000	262,000
University Ave (Shorewood to University Bay)	1,339,000	-	-	-	-	-
Water Hydrants Program	350,000	350,000	350,000	350,000	350,000	359,000
Water Mains - New	30,000	30,000	734,000	108,000	228,000	454,000
Water Mains Replace Rehab Improve - Pavement Management	2,042,000	481,000	402,000	1,377,000	656,000	1,359,000
Water Mains Replace Rehab Improve - Pipe Lining	617,000	900,000	1,036,000	1,172,000	1,458,000	1,458,000
Water Mains Replace Rehab Improve - Reconstruct Streets	311,000	345,000	2,316,000	1,672,000	2,557,000	1,718,000
Water Meter and Fixed Network Program	513,000	526,000	539,000	552,000	566,000	580,000
Water Utility Facility Improvements	847,000	844,700	1,175,000	825,000	865,000	891,000
Water Utility Vehicles & Equipment	554,000	261,000	542,000	271,000	560,000	282,000
Water Valve Cut-In Program	16,000	17,000	18,000	19,000	20,000	21,000
Well 19 Iron and Manganese Filter	891,000	6,691,000	81,000	-	-	-
Wilson St (MLK to King)	-	-	157,000	-	-	-
Total	7,971,000	13,769,700	11,672,000	8,367,000	9,429,000	9,750,000





Atwood Avenue

\$1.9m project added to CIP from Horizon List

- Blair Street, S.
  - \$24k added to Water Utility CIP in 2022 to support work on the Engineering-Major Streets project
- Blair/John Nolen Intersection
  - \$24k added to Water Utility CIP in 2022 to support work on the Engineering-Major Streets project
- Mineral Point Road
- \$32k added to Water Utility CIP in 2027 to support work on the Engineering-Major Streets project
   Outer Capitol Loop Southeast
- \$27k added to Water Utility CIP in 2023 to support work on the Engineering-Major Streets project
   Park Street, South (Olin to RR)
- \$462k added to Water Utility CIP in 2023 and 2025 to support work on the Engineering-Major Streets project
   Pleasant View Road Phase 1
  - \$829k added to Water Utility CIP in 2022 and 2023 to support work on the Engineering-Major Streets project

- Unit Well #8 Reconstruction
  - Project delayed one year to start in 2025
- University Ave (Shorewood to University Bay)
- \$1.3m added to Water Utility CIP in 2022 to support work on the Engineering-Major Streets project
- Water Mains New
- Program budget decreased \$987k from 2022-2026
- Water Mains Replace Rehab Improve Pavement Management
- Program budget increased \$1.0m from 2022-2026
- Water Mains Replace Rehab Improve Pipe Lining
- Program budget decreased \$443k from 2022-2026 Water Mains Replace Rehab Improve - Reconstruct Streets
   Program budget increased \$468k from 2022-2026
- Water Utility Facility Improvements
- Program budget decreased \$1.2m from 2022-2026
- Water Utility Vehicles & Equipment
  - Program budget increased \$69k from 2022-2026
- Wilson Street (MLK to King)
  - \$157k added to Water Utility CIP in 2024 to support work on the Engineering-Major Streets project



## TO: Dave Schmiedicke, Finance Director

FROM: Joe Grande, Madison Water Utility

DATE: May 25, 2021

SUBJECT: Madison Water Utility 2022 Capital Budget Requests

# Goals of Agency's Capital Budget

The primary goal of our 2022 capital budget is to replace failing infrastructure so as to continue to meet levels of service for water quality and reliability established by the Water Utility Board, while maintaining water rate affordability and management of our long term debt.

These goals align with efficient government and green and resilient plan elements from the City's Comprehensive Plan adopted in 2018.

# Criteria Used to Prioritized Requests

Using the techniques of asset management, we are placing emphasis on our most critical infrastructure assets and prioritizing work based on business case evaluations. Madison Water Utility's infrastructure renewal and replacement programs stem from a data-driven Asset Management program and a comprehensive Utility Master Plan. These programs define and assess core risk metrics for all existing infrastructure in the system, as well as identify and evaluate the projected needs of Madison's water system. These programs allow the Utility to objectively identify and evaluate critical water infrastructure needs for the present and the future. The Utility further prioritizes these infrastructure investments using a triple bottom line framework based on the economic, environmental and social impacts of the proposed projects.

2022

## Prioritized List of 2022 Capital Requests

PROGRAM/PROJECT	MUNIS PROJECT	2022 PRIORITY
UW REHAB PROGRAM	13594	1
WATER UTILITY FACILITY IMPROVEMENTS	13591	2
WATER MAINS RECONSTRUCT	13590	3

WATER MAINS PAVEMENT MANAGEMENT	13588	4
WATER MAINS PIPE LINING	13589	5
WATER MAINS NEW	13587	6
UW #19 WATER QUALITY MITIGATION	10448	7
UNIVERSITY AVE: SHOREWOOD TO		
UNIVERSITY BAY DRIVE	11168	8
BLAIR STREET SOUTH	11128	9
BLAIR TO JOHN NOLEN INTERSECTION	11135	10
PLEASANT VIEW RD - PHASE 1	10284	11
ATWOOD AVENUE	11127	12
METER & FIXED NETWORK PROGRAM	13592	13
HYDRANT PROGRAM	13595	14
CHLORINATOR & FLORIDATOR PROGRAM	13597	15
NEW VALVE CUT-IN PROGRAM	13596	16
VEHICLES & EQUIPMENT PROGRAM	13593	17

## Summary of Changes from 2021 Capital Improvement Plan

The Utility has always been committed to sound fiscal planning and is committed to building up financial reserves that will one day fund our infrastructure replacement program and reduce our reliance on debt financing. To allow this to happen, the Utility made significant short-term changes in our CIP in 2021 and we have continued with these reductions. The single largest change in our 2022 CIP as compared to our 2021 CIP is the addition of stand-alone major streets projects. The Utility added \$1.4 million for major streets projects in 2022. These additions, coupled with the shift of the Olin Heim Building roof replacement from 2022 to 2024, increased our 2022 CIP by \$1.0 million as compared to our 2021 submittal.

The Utility will be participating in the University Avenue street project at a cost of \$1.4 million in 2022. As this street is a major thoroughfare, we are taking this opportunity to replace the main on this street in 2022 to minimize the disruption to the citizens of Madison.

#### Potential for Scaling Capital Requests

In an effort to reduce our dependency on long-term debt, meet certain key financial metrics, and build up our cash reserves, the Utility started an aggressive reduction in all of our capital programs and projects in 2021. We have continued this philosophy in our 2022 CIP submittal while still ensuring the level of service required for a Utility of our size.

## Impact of COVID-19 on Capital Funding

MWU has seen a decrease in revenue due to Covid-19. While the residential, multifamily and duplex usage is up, the commercial, industrial, governmental usage is down. MWU stopped assessing late fees on unpaid account balances in Mid-March of 2020 in an effort to help our rate payors during this crisis. Late fees were reinstated in November of 2020 in compliance with PSC docket 5-UI-120.

New rates were implemented on July 2, 2020. These rates were designed to increase revenues by 8.9%. MWU realized a 6.8% revenue increase from July 2020 – April 2021 due to this rate increase. This increased revenue along with debt refinancing in 2019 provides sufficient dollars to support MWU's debt service requirements.

In October 2020, MWU filed an Intent to Apply with the State DNR for participation in the State 2022 Safe Drinking Water Loan Program (SDWLP). This program offers low interest loans to qualified municipalities for major projects. The Utility submitted projects totally \$6.27 million. These projects were included in the State's 2022 fiscal year Project Priority List which was released in April 2021. The Utility intends to use these funds to pay back the 2019 BANs which are due in November 2024.

In the last rate case approved for MWU, the Utility is required to submit another rate case with the PSC by August 1, 2021. The Utility intends to explore a "Pay as you Go" component to our rates in this upcoming rate case. If approved, this will lower our future debt service needs.

		201			at Dlan		
		202	22 Capital In	•			
			Project Bud	lget Proposa	al		
dentifying Info	ormation						
Agency	Water Utility		Proposa	al Name	Atwood Avenue		
Project Number	11127		Project	Туре	Project		
roject Category	Transportation		Priority	:	12		
escription							
nhancements are pro	reconstruction of Atwoo posed for safe pedestria cycle bridge over the Sta	in crossing to Olbrich	n Gardens and Olbric	n Park. The multi-u	use path will be utilized	d for the Lake Loop r	oute around Lake Mo
udget Informa							
Total Project Bud	lget		\$1,971,000 Prior /	Appropriation on Fiscal Years 2015-2	021	\$25,000	
	ourco						
udget by Funding S	ource						
udget by Funding S Funding		2022	2023	2024	2025	2026	2027
Funding Revenue Bonds-Water	Source Total	2022 24,000 \$24,000	2023 1,922,000 \$1,922,000	<b>2024</b> \$0	2025 \$0	2026	<b>2027</b> \$0
Funding Revenue Bonds-Water	Source Total	24,000	1,922,000				
Funding Revenue Bonds-Water udget by Expenditu Expense	Source Total	24,000 \$24,000	1,922,000 \$1,922,000	\$0	\$0	\$0	\$0
Funding evenue Bonds-Water idget by Expenditu Expense	Source Total	24,000 \$24,000 <b>2022</b>	1,922,000 \$1,922,000 <b>2023</b>	\$0	\$0	\$0	\$0
Funding Revenue Bonds-Water udget by Expenditu Expense	Source Total	24,000 \$24,000 <b>2022</b>	1,922,000 \$1,922,000 <b>2023</b>	\$0	\$0	\$0	\$0
Revenue Bonds-Water Budget by Expenditu Expense Water Network water Network xplain any changes his is a new project for t pproximately \$1.1 millio nd water will now be pa xplain any changes his is a new project for t	Source Total Total ITE Type Total from the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma rticipating. from the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma	24,000 \$24,000 2022 24,000 \$24,000 \$24,000 the proposed fun some dollars from oth jor thoroughfare and a the proposed fun some dollars from oth	1,922,000 \$1,922,000 2023 1,922,000 \$1,922,000 \$1,922,000 ding for this project her programs and project as such we need to minimal ding for this programs and project	2024 \$0 \$0 \$0 \$1 \$0 \$1 \$0 \$2 \$0 \$1 \$0 \$2 \$1 \$0 \$2 \$1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	2025 2025 \$0 \$0 \$0 \$ \$0 \$ \$ \$0 \$ \$0 \$ \$0	\$0 2026 \$0 \$0 ase out 2022 CIP for the City Engineering sched ase out 2022 CIP for the	\$0 \$0 2027 \$0 e out year 2023 by fuled this project for 20 e out year 2023 by
Funding Revenue Bonds-Water udget by Expenditu Expense Nater Network kplain any changes his is a new project for t proximately \$1.1 millio ad water will now be pa kplain any changes his is a new project for t proximately \$1.1 millio 23 and water will now	Source Total Total Total Total Total Total From the 2021 CIP in the 2022 CIP. MWU shifted n. Atwood Avenue is a ma tricipating. From the 2021 CIP in the 2022 CIP. MWU shifted n. Atwood Avenue is a ma be participating. Cation	24,000 \$24,000 2022 24,000 \$24,000 \$24,000 the proposed fun some dollars from oth jor thoroughfare and a the proposed fun some dollars from oth jor thoroughfare and a	1,922,000 \$1,922,000 2023 1,922,000 \$1,922,000 \$1,922,000 ding for this project her programs and project as such we need to minimal ding for this programs and project	2024 \$0 \$0 \$0 \$1 \$0 \$1 \$0 \$2 \$0 \$1 \$0 \$2 \$1 \$0 \$2 \$1 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	2025 2025 \$0 \$0 \$0 \$ \$0 \$ \$ \$0 \$ \$0 \$ \$0	\$0 2026 \$0 \$0 ase out 2022 CIP for the City Engineering sched ase out 2022 CIP for the	\$0 \$0 2027 \$0 e out year 2023 by fuled this project for 20 e out year 2023 by
Funding Revenue Bonds-Water Udget by Expenditu Expense Water Network Caplain any changes is is a new project for t proximately \$1.1 millio d water will now be pa caplain any changes is is a new project for t proximately \$1.1 millio 23 and water will now riority & Justif Citywide E	Source Total Total Total Total Total Total From the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma rticipating. From the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma be participating.	24,000 \$24,000 2022 24,000 \$24,000 \$24,000 the proposed fun some dollars from oth jor thoroughfare and a the proposed fun some dollars from oth jor thoroughfare and a some dollars from oth	1,922,000 \$1,922,000 2023 1,922,000 \$1,922,000 \$1,922,000 ding for this project ther programs and projet as such we need to min ding for this programs and projet as such we need to min	\$0 2024 \$0 \$0 <b>:t.</b> cts to help fund this imize the time that am. cts to help fund this imize the time that	2025 2025 \$0 \$0 \$ project. This will increa the street is disrupted. ( 5 project. This will increa the street is disrupted. (	\$0 2026 \$0 \$0 see out 2022 CIP for th City Engineering sched ase out 2022 CIP for th City Engineering sched	\$0 2027 2027 \$0 e out year 2023 by fuled this project for 20 e out year 2023 by fuled this project for 20
Funding Revenue Bonds-Water udget by Expenditu Expense Water Network Avater Network Network Network	Source Total Total Total Total Total Total Total From the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma rticipating. From the 2021 CIP in he 2022 CIP. MWU shifted n. Atwood Avenue is a ma be participating. Green and Res Contaction Lement Green and Res	24,000 \$24,000 2022 24,000 \$24,000 \$24,000 the proposed fun some dollars from oth jor thoroughfare and a the proposed fun some dollars from oth jor thoroughfare and a sillient Prote	1,922,000         \$1,922,000         \$1,922,000         1,922,000         \$1,922,000         \$1,922,000         ding for this project         her programs and projet         as such we need to min         ding for this programs and projet         her programs and projet         as such we need to min         extremely programs and projet         as such we need to min	\$0 2024 \$0 \$0 <b>:t.</b> cts to help fund this imize the time that am. cts to help fund this imize the time that	2025 2025 \$0 \$0 \$0 \$ \$0 \$ \$ \$0 \$ \$0 \$ \$0	\$0 2026 \$0 \$0 see out 2022 CIP for th City Engineering sched ase out 2022 CIP for th City Engineering sched	\$0 2027 2027 \$0 e out year 2023 by fuled this project for 20 e out year 2023 by fuled this project for 20
Funding Funding Revenue Bonds-Water  udget by Expenditu Expense Water Network  xplain any changes his is a new project for t oproximately \$1.1 millio nd water will now be pa  xplain any changes his is a new project for t oproximately \$1.1 millio 23 and water will now Priority & Justif Citywide E Strategy Describe h	Source Total Total Total Total Total Total From the 2021 CIP in the 2022 CIP. MWU shifted n. Atwood Avenue is a ma tricipating. From the 2021 CIP in the 2022 CIP. MWU shifted n. Atwood Avenue is a ma be participating. Cation	24,000 \$24,000 2022 24,000 \$24,000 \$24,000 the proposed fun some dollars from ott jor thoroughfare and a the proposed fun some dollars from ott jor thoroughfare and a sillient sillient proto	1,922,000         \$1,922,000         2023         1,922,000         \$1,922,000         \$1,922,000         ding for this project         her programs and project         as such we need to minimage         ding for this programs and project         her programs and project         as such we need to minimage         ext programs and project         her programs and project	\$0 2024 \$0 \$0 ct. cts to help fund this imize the time that am. cts to help fund this imize the time that imize the time that	2025 2025 2025 2025 20 20 20 20 20 20 20 20 20 20 20 20 20	\$0 2026 \$0 \$0 ase out 2022 CIP for th City Engineering sched ase out 2022 CIP for th City Engineering sched ase out 2022 CIP for th City Engineering sched	\$0 \$0 2027 \$0 \$0 e out year 2023 by luled this project for 20 e out year 2023 by luled this project for 20 r.

Racial Equity and Social Justi
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We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

While this project is not located in an envionmental justice area, it does extend through Olbrich Park and Olbrich Gardens both of which attract vistors from the every neighborhood in Madison. These attractions also bring in visitors from outside the City. We worked extensively to make sure that we were not just focusing on making thru traffic the traffic the priority but also safety for park users to be able to travel up and down the road and cross the road safely. Water is participating in this project as it is a major street and we want to minimize the number of times the street would be torn up.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	City Engineering, The Olbrich Park and Olbrich Gardens affects people of all colors, ages, races and incomes.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	City Engineering has worked with traditional public information meetings and their websites, but also extensive coordination with Park Department staff, and Olbrich Gardens staff. The project is identified in the Olbrich Garden Master Plan.
How will we continue to communicate with them in this process?	Public Information Meetings and project website with staff contacts, Twitter and Facebook.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

$\bigcirc$	Yes	۲	No	

#### **Project Schedule & Location**

Can this project be mapped?	● Yes 🔿 No
What is the location of the project?	Fair Oaks Ave to Cottage Grove Road
Is this project on the Project's Portal?	● Yes  ◯ No
If so, enter the URL:	https://www.cityofmadison.com/engineer

#### 2022 Status

	Status/Phase	Est Cost	Description
		24000	Pipeline Improvements
2023	Status		
	Status/Phase	Est Cost	Description
		1922000	Pipeline Improvements
2024	Status		
	Status/Phase	Est Cost	Description
2025	Status		
	Status/Phase	Est Cost	Description
2026	Status		
	Status/Phase	Est Cost	Description
2027	Status		
	Status/Phase	Est Cost	Description

#### **Operating Costs**

What are the estimated annual operating costs associated with the project?

Personnel		
# of FTEs	Annual Cost	Description
Non-Perso	onnel	
Major	Amount	Description
otes		
otes:		
		v1 03/15/20

		207	22 Capital Im	nrovom	ant Plan		Sub
		202	Project Bud	•			
			Project Buu	iget Propo	501		
dentifying l	nformation						
gency	Water Utility		Proposa	I Name	Blair Street, S.		
roject Number	11128		Project <sup>-</sup>	Туре	Project		
roject Category	Land Use and T	ranspor	Priority:	:	9		
escription							
	econstructing South Blair S	Straat from East Mach	ington Avonuo to Will	liamson Stroot a	and East Machington A	vonue from Plair Street	to Plaunt Streat The a
ıdget Infori						6475 000	
Total Project Budget			\$179,000 Prior A *Based o	n Fiscal Years 2015		\$175,000	
udget by Fundir	ng Source						
Fund	ling Source	2022	2023	2024	2025	2026	2027
evenue Bonds-W	'ater	24,000					
	Total	\$24,000	\$0	\$0	\$0	\$0	\$0
Idget by Expen	diture Type						
	diture Type	2022	2023	2024	2025	2026	2027
Exp	ense Type	24,000					
Exp			<b>2023</b> \$0	<b>2024</b>		2026 \$0	<b>2027</b> \$0
Exp. Vater Network plain any chan is is a new project plain any chan	ense Type Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir	24,000 \$24,000 In the proposed fun reallocated from other In the proposed fun	\$0 ding for this projec areas so there wasn't a ding for this progra	\$C t. large change fro am.	m the overall 2021 CIP bu	\$0	
Exp Vater Network plain any chang is is a new project plain any chang is is a new project	ense Type Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were	24,000 \$24,000 In the proposed fun reallocated from other In the proposed fun	\$0 ding for this projec areas so there wasn't a ding for this progra	\$C t. large change fro am.	m the overall 2021 CIP bu	\$0	
Exp. Vater Network plain any chang is is a new project plain any chang is is a new project	ense Type Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were	24,000 \$24,000 In the proposed fun reallocated from other In the proposed fun reallocated from other	\$0 ding for this projec areas so there wasn't a ding for this progra	\$C t. large change fro am.	m the overall 2021 CIP bu	\$0	
Exp. Vater Network plain any chang is is a new project plain any chang is is a new project	rotal Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were ctification de Element Green and R	24,000 \$24,000 In the proposed fun reallocated from other In the proposed fun reallocated from other esilient	\$0 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a	\$C <b>.t.</b> large change fro <b>im.</b> large change fro	m the overall 2021 CIP bu	s0 Jdget.	\$0
Exp. Vater Network plain any chan; is is a new project plain any chan; is is a new project ciority & Jus Citywic Strateg	rotal Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were ctification de Element Green and R	24,000 \$24,000 In the proposed fun reallocated from other In the proposed fun reallocated from other esilient Prote	\$0 ding for this projec areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s	\$C <b>.t.</b> large change fro <b>im.</b> large change fro	m the overall 2021 CIP bu	s0 Jdget.	\$0
Exp. Vater Network plain any chang is is a new project plain any chang is is a new project city & Jus Citywie Strateg Descril	ense Type Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were tification de Element Green and R Sy	24,000 \$24,000 • the proposed fun reallocated from other • the proposed fun reallocated from other esilient Protection of the formation of the	\$0 ding for this projec areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s	\$C <b>.t.</b> large change fro <b>im.</b> large change fro upply and infra	m the overall 2021 CIP but m the overall 2021 CIP but structure to provide sa	\$0 Jdget. Jdget.	\$0
Exp. Vater Network	rotal rotal ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were tification de Element Green and R sy be how this project advance	24,000 \$24,000 • the proposed fun reallocated from other • the proposed fun reallocated from other esilient Prot ses the Citywide Elem sting undersized or dete	\$0 ding for this projec areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s	\$C <b>.t.</b> large change fro <b>im.</b> large change fro upply and infra	m the overall 2021 CIP but m the overall 2021 CIP but structure to provide sa	\$0 Jdget. Jdget.	\$0
Water Network cplain any chan is is a new project is is a new project riority & Jus Citywic Strateg Descril This pro What This pro	ense Type Total ges from the 2021 CIP ir for the 2022 CIP. Funds were ges from the 2021 CIP ir for the 2022 CIP. Funds were ctification de Element Green and R sy be how this project advance orgram repairs/or replaces exis	24,000 \$24,000 • the proposed fun reallocated from other • the proposed fun reallocated from other esilient Prote set the Citywide Elem sting undersized or dete project?	\$0 ding for this projec areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s eent: criorated water mains to	\$C <b>it.</b> large change fro <b>am.</b> large change fro upply and infra o meet establishe	m the overall 2021 CIP bu m the overall 2021 CIP bu m the overall 2021 CIP bu structure to provide sa	\$0 Jdget. Jdget. fe clean drinking water for water main infrastruc	\$0 \$0

This project extends through an enrionmental justice area with higher percentages of people living with lower incomes. The project will replace pavement for safe convenient travel and also provide safe pedestrian and bicycle crossing of the street. Water is participating in this project as it is a major street and we want to minimize the

numb	er of times the street would be torn up.							
	What City agencies or community partn or already working on issues related to t			City En			extends through an environment	vironmental justice area with es.
	Have we asked for their perspectives dir incorporated their feedback?	ectly and, if so, how h	ave we		-		tion meeting in the neighb ere implemented due to in	orhood. Some of the pedestrian and apput at the PIMs.
	How will we continue to communicate v	vith them in this proce	ess?		r Public Infc cebook	ormation Me	etings and Project wel	bsite with staff contacts, Twitter,
	Have we used any data related to the pr race, non-binary and transgender peopl those experiencing homelessness, or un	e, people with disabili		0 0 0	Yes No Some, ne	ot all		
	proposed budget or budget change relate vance racial equity, inclusion, and social just							munity need with opportunities
				0	Yes	۲	No	
	If so, please identify the respective grou	p and recommendatio	on.					
roject	Schedule & Location							
	Can this project be mapped?	🖲 Yes  No						
	What is the location of the project?	E. Washington Ave	to Williar	mson St	reet			
	Is this project on the Project's Portal?	🖲 Yes  No						
	If so, enter the URL:	https://www.cityof	https://www.cityofmadison.co					
2022	Status							
	Status/Phase		escription					
2022	Status	24000 F	Pipeline Ir	nprover	nent			
2023		Est Cost L	Description	~				
	Status/Phase	Est Cost L	Description					
2024	Status							
	Status/Phase	Est Cost	Descriptio	n				
2025	Status							
	Status/Phase	Est Cost	Descriptio	on				
2026	Status							
	Status/Phase	Est Cost	Descriptio	on				
2027	Status							
	Status/Phase	Est Cost	Descriptio	on				
Operat	ing Costs							
What are	the estimated annual operating costs asso	ciated with the projec	:t?					

#### Personnel

	# of FTEs	Annual Cost	Description
N	lon-Pers	onnel	

	Majo	r	Amount	Description
N	otes			
No	tes:			
				v1 03/15/2021

		202	22 Capital In Project Bud	nprovemer dget Proposa			
مامير والمراجع المراجع المراجع			,	0			
dentifying Infor	mation						
Igency	Water Utility		Propos	al Name	Blair/John Nolen Inte	ersec	
roject Number	11135		Project	Туре	Project		
roject Category	Land Use and Tr	anspor	Priority	Priority:			
Description							
his project is for replaci uality rating of the inter							
udget Informatio			\$24.000 Brior	Appropriation		¢10.000	
Iotal Project Budge	et			Appropriation on Fiscal Years 2015-20	021	\$10,000	
dget by Funding Sou	irce						
Funding So	urce	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water		24,000					
	Total	\$24,000	\$0	\$0	\$0	\$0	\$0
udget by Expenditure	туре						
udget by Expenditure Expense T		2022	2023	2024	2025	2026	2027
Expense T		<b>2022</b> 24,000	2023	2024	2025	2026	2027
Expense T			<b>2023</b> \$0	<b>2024</b> \$0	<b>2025</b>	<b>2026</b> \$0	<b>2027</b> \$0
Expense T Expense T Nater Network Explain any changes from is is a new project for the Explain any changes from is is a new project for the	Total Total om the 2021 CIP in 2022 CIP. Funds were to om the 2021 CIP in	24,000 \$24,000 the proposed func- eallocated from other the proposed func-	\$0 ding for this project areas so there wasn't a ding for this progr	\$0 ct. a large change from t am.	\$0 the overall 2021 CIP bud	\$0 get.	
Expense T Vater Network plain any changes fro is is a new project for the plain any changes fro is is a new project for the riority & Justifica	Total	24,000 \$24,000 the proposed func- eallocated from other the proposed func-	\$0 ding for this project areas so there wasn't a ding for this progr	\$0 ct. a large change from t am.	\$0 the overall 2021 CIP bud	\$0 get.	
Expense Ty Vater Network plain any changes fro is is a new project for the plain any changes fro is is a new project for the riority & Justifica Citywide Eler	Total	24,000 \$24,000 the proposed func- eallocated from other the proposed func- eallocated from other silient	\$0 ding for this project areas so there wasn't a ding for this progr areas so there wasn't a	\$0 ct. a large change from 1 am. a large change from 1	\$0 the overall 2021 CIP bud	\$0 get.	\$0
Expense T Vater Network plain any changes fro is is a new project for the plain any changes fro is is a new project for the riority & Justifica Citywide Eler Strategy	ype Total om the 2021 CIP in 2022 CIP. Funds were in om the 2021 CIP in 2022 CIP. Funds were in ation	24,000 \$24,000 the proposed func- eallocated from other eallocated from other silient Prote	\$0 ding for this project areas so there wasn't a ding for this progr areas so there wasn't a ect Madison's water	\$0 ct. a large change from 1 am. a large change from 1	\$0 the overall 2021 CIP bud	\$0 get.	\$0
Expense T Vater Network splain any changes fro is is a new project for the plain any changes fro is is a new project for the riority & Justifica Citywide Eler Strategy Describe how	Total	24,000 \$24,000 the proposed func- eallocated from other the proposed func- eallocated from other eallocated from other eallocated from other esthe Citywide Elem	\$0 ding for this project areas so there wasn't a ding for this progr areas so there wasn't a ect Madison's water to ent:	\$0 ct. a large change from 1 am. a large change from 1 supply and infrastr	\$0 the overall 2021 CIP bud	\$0 get. get.	\$0
Expense Ty Nater Network splain any changes fro is is a new project for the splain any changes fro is is a new project for the riority & Justifica Citywide Eler Strategy Describe how This program r	Total	24,000 \$24,000 the proposed func- eallocated from other the proposed func- eallocated from other eallocated fr	\$0 ding for this project areas so there wasn't a ding for this progr areas so there wasn't a ect Madison's water to ent:	\$0 ct. a large change from 1 am. a large change from 1 supply and infrastr	\$0 \$0 the overall 2021 CIP bud the overall 2021 CIP bud	\$0 get. get.	\$0

# Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

conve	enient travel and	hrough an environr also provide safe p of times the street	pedestrian	and bicycle cross											
		encies or communi orking on issues rel				This pro	oject extends le with lowe								
		ed for their perspect their feedback?	tives dire	ctly and, if so, ho	w have we		neering has he cle componets								e pedestrian
	How will we	continue to commu	unicate wi	th them in this p	rocess?	Further and Fac	Public Infor ebook.	mation N	Meetir	ngs and F	roject w	ebsite v	vith sta	ff contac	ts, Twitter
	race, non-bin	d any data related t ary and transgende encing homelessnes	er people,	people with disa	abilities,	0 0 0	Yes No Some, no	t all							
		et or budget chang ity, inclusion, and s				-	-				nnect co	mmuni	y need	with op	portunities
						0	Yes	۲		No					
	If so, please io	dentify the respecti	ive group	and recommend	ation.										
Projec	t Schedule	& Location													
	Can this proje	ect be mapped?		⊙Yes ⊖No											
	What is the lo	ocation of the proje	ect?	S Blair St to Joh	in Nolen Dr										
	Is this project	on the Project's Po	ortal?	⊙Yes ⊖No											
	If so, enter th	e URL:		https://www.ci	tyofmadison	.com/en	gineer								
2022	Status														
	Stat	tus/Phase		Est Cost	Description	n									
				24000	Pipeline I	mproven	nent								
2023	Status														
	Stat	us/Phase		Est Cost	Descriptio	n									
2024	Statuc														
2024	Status	ıs/Phase		Est Cost	Descriptio	n									
	51411	is) i nuse		Liteost	Descriptio										
2025	Status														
	State	ıs/Phase		Est Cost	Descriptio	on									
2026	Status														
	Stat	us/Phase		Est Cost	Descripti	ion									
	<u> </u>														
2027	Status	(5)													
	Stati	ıs/Phase		Est Cost	Descripti	on									
	ting Costs	innual operating co	osts associ	ated with the pr	oject?										
Personne # of	l Annual Cost	Description													

Major	Amount	Description	
otes			
es:			
			v1 03/15/2
			VI 03/13/2

		202	22 Capital Im	provemer	nt Plan		
			Project Bud	get Proposa	al		
dentifying Informa	ition						
gency	Water Utility		Proposa	l Name	Booster Pump Statior	n #2	
roject Number	12441		Project Type		Project		
roject Category	Utility		Priority:		Select		
escription							
his project is for reconstruct	ting the Lake View	Booster Pumping S	tation. The goal of the	project is to me	at fire fighting requirem	ents and expansion	n Zone 5 A generator w
Idget Information Total Project Budget dget by Funding Source			\$2,226,000 Prior A *Based o	ppropriation n Fiscal Years 2015-2	021	\$0	
Funding Source		2022	2023	2024	2025	2026	2027
evenue Bonds-Water				188,000	1,161,000		
	Total	\$0	\$0	\$188,000	\$1,161,000	\$0	\$0
dget by Expenditure Ty Expense Type	-	2022	2023	2024	2025	2026	2027
uilding				188,000	86,000		
1achinery and Equipment	Total			<u></u>	1,075,000	<u> </u>	
	Total	\$0	\$0	\$188,000	\$1,161,000	\$0	\$0
plain any changes from significant change from th plain any changes from significant change from th iority & Justificati	e 2021 CIP. <b>the 2021 CIP in</b> e 2021 CIP. ON	the proposed fun					
•	t Green and Res						
Citywide Elemer	is proiect advance	Prote s the Citywide Elem		uppiy and infrastr	ructure to provide safe	ciean orinking water.	
Citywide Elemer Strategy		o the only muc 110m		infrastructure.			
Citywide Elemer Strategy Describe how th		ential to renewing an					
Citywide Elemer Strategy Describe how th Adequate pumpi							
Citywide Elemer Strategy Describe how th Adequate pumpi What is the just	ng capacity is esse	roject?	g capacity is inadequate to	o allow expansion of	service area.		

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)? 2022 Capital Budget 15

This project is located in an Environmental Justice Area with a higher percentage of People of Color and a higher percentage of people living below the poverty line. This project continues an investment into water supply, piping and storage/fire protection improvements in this area with project costs being distributed equally among the entire Utility customer base. What City agencies or community partners are affected by, care about, This project, along with prior associated improvements, has worked closely with or already working on issues related to this project/program? neighborhood residents, Friends of Lakeview Park, Dane County, local representatives and DNR/PSC. Accomodations have been made to include Park improvements and minimize disturbance to nearby residents and natural/historic features of the area. Have we asked for their perspectives directly and, if so, how have we Yes, this project will continue extensive Public Commuication efforts with all interested stakeholders incorporated their feedback? and affected community members/regulatory authorities. MWU will continue to request feedback and will accommodate, whenever practical/possible, public improvements to affected park or

How will we continue to communicate with them in this process?

Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?

Yes 0 No

Some, not all

property features near the project.

Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc.

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

			🔿 Yes 💿 No						
	If so, please identify the respective grou	Ip and recommenda	ation.						
Project	t Schedule & Location								
	Can this project be mapped?	🔵 Yes  🔿 No							
	What is the location of the project?	1320 Lake View	1320 Lake View Avenue						
	Is this project on the Project's Portal?	🔾 Yes   o No							
2022	Status								
	Status/Phase	Est Cost	Description						
2023	Status								
	Status/Phase	Est Cost	Description						
2024	Status								
	Status/Phase	Est Cost	Description						
2025	Status	188000	Public Engagement & Engineering Services						
2025	Status/Phase	Est Cost	Description						
	Statusy Filuse	5000	Public Engagement						
		541000	Upgrade pumps						
		615000	Generator						
2026	Status	010000							
	Status/Phase	Est Cost	Description						
2027	Status								
	Status/Phase	Est Cost	Description						
<b>•</b>									
Operat	ting Costs								
What are	the estimated annual operating costs asso	ociated with the pro	ject?						
Personnel	l								
# of	Annual Cost Description								

FTEs

	New Dave			
	Non-Pers			
	Major	Amount	Description	_
N	otes			
No	tes:			
			v1 03/1	5/2021

gency W roject Number 12 roject Category Ut	DN /ater Utility	202	2 Capital In Program Bu	iprovemei	ht Plan		
gency W roject Number 12 roject Category Ut			Program Bu				
Project Number 12 Project Category Ut				dget Propos	al		
Project Number 12 Project Category Ut	/ater Utility						
Project Category Ut	Project Number 12386		Proposa	l Name	Chlorinators & Florina	ator	
	2386		Project	Туре	Program		
022 Droiget Number	tility		Priority	:	15		
022 Project Number 13597							
Description							
udget Information Prior Appropriation* *Based on Fiscal Years 2015-2020			\$31,000 Prior Year	Actual	\$3,18	99	
udget by Funding Source Funding Source		2022	2023	2024	2025	2026	2027
Reserves Applied - Water		35,000	35,000	40,000	40,000	41,000	42,000
	Total	\$35,000	\$35,000	\$40,000	\$40,000	\$41,000	\$42,000
udget by Expenditure Type							
				2024	2025		
Expense Type		2022	2023			2026	2027
Expense Type	Total	<b>2022</b> 35,000 \$35,000	2023 35,000 \$35,000	40,000 \$40,000	40,000 \$40,000	2026 41,000 \$41,000	2027 42,000 \$42,000
Expense Type Machinery and Equipment Xplain any changes from the Io significant change from the 20	<b>2 2021 CIP in t</b> l	35,000 \$35,000	35,000 \$35,000	\$40,000	40,000	41,000	42,000
Expense Type Machinery and Equipment Axplain any changes from the o significant change from the 20 Priority & Justification	<b>2 2021 CIP in t</b> l	35,000 \$35,000	35,000 \$35,000	\$40,000	40,000	41,000	42,000
Expense Type Machinery and Equipment Applain any changes from the o significant change from the 20 Priority & Justification Citywide Element Strategy	<b>2 2021 CIP in tl</b> D21 CIP. Green and Resi	35,000 \$35,000 he proposed fund lient Prote	35,000 \$35,000 ding for this progra	\$40,000	40,000	41,000 \$41,000	42,000
Expense Type Machinery and Equipment Aplain any changes from the o significant change from the 20 riority & Justification Citywide Element Strategy Describe how this pr	2 2021 CIP in the second secon	35,000 \$35,000 he proposed fund lient Prote the Citywide Elem	35,000 \$35,000 ding for this progra	\$40,000 Im. upply and infrast	40,000	41,000 \$41,000	42,000

component in a project's triple bottom line score. All water utility customers benefit from the transparent, data-driven process to plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care about or already working on issues related to this project/program?	t, The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	Yes No Some. not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

$\bigcirc$	Yes	۲	No	

## **Project Schedule & Location**

#### 2022 Projects

Project Name	Est Cost	Location
2022 Chlorinators and Floridators	\$35,000	MWU Unit Wells and Booster Pump Stations
Explain the justification for selecting projects planned	d for 2022:	
Continue to exceed established DNR water quality star	ndards and keep N	ladison's water supply safe.
2023 Projects		
Project Name	Est Cost	Location
2023 Chlorinators and Floridators	\$35,000	MWU Unit Wells and Booster Pump Stations
Explain the justification for selecting projects planned	d for 2023:	
Continue to exceed established DNR water quality star	ndards and keep N	ladison's water supply safe.
2024 Projects		
Project name	Est Cost	Location
2024 Chlorinators and Floridators	\$40,000	MWU Unit Wells and Booster Pump Stations
Explain the justification for selecting projects planned	d for 2024:	
Continue to exceed established DNR water quality star	ndards and keep N	ladison's water supply safe.
2025 Projects		
Project name	Est Cost	Location
2025 Chlorinators and Floridators	\$40,000	MWU Unit Wells and Booster Pump Stations
Explain the justification for selecting projects planned	d for 2025:	
Continue to exceed established DNR water quality star	ndards and keep N	ladison's water supply safe.
2026 Projects		
Project name	Est Cost	Location
2026 Chlorinators and Floridators	\$41,000	MWU Unit Wells and Booster Pump Stations
Explain the justification for selecting projects planned	d for 2026:	
Continue to exceed established DNR water quality star	ndards and keep N	ladison's water supply safe.
2027 Projects		
Project Name	Est Cost	Location

	Pro	oject Name	Est Cost	Location
2027 (	Chlorinators and	Floridators	42,000	MWU Unit Wells and Booster Pump Stations
Explair	the justification	n for selecting projects	planned for 2027:	
Contin	ue to exceed est	ablished DNR water qua	lity standards and keep	p Madison's water supply safe.
) pera	ting Costs			
1				
vnat are	the estimated a	innual operating costs a	issociated with the pro	ojects planned within this program?
ersonne	I			
# of FTEs	Annual Cost	Description		
on-Pers	onnel			
Major	Amount	Description		
tes				
s:				

		20	022 Capital In	nnrovemer	at Dlan		
		20	•	dget Proposa			
			rioject but	uget riopose	1		
dentifying Inforn	nation						
Agency	Water Utility		Propos	al Name	Mineral Point Road		
Project Number	11131		Project	Туре	Project		
Project Category	Land Use and Tr	anspor	Priority	<i>ı</i> :	Select		
<b>Description</b> This project funds the rec	onstruction of Minor	ral Daint Daad from	the Poltline (USU 12/1	19) to Lligh Daint D	and The project is pro	nacad to be reconstru	ustad with now navan
udget Informatic Total Project Budge				Appropriation	021	\$0	
udget by Funding Sou	rce		Baseu	on riscal tears 2013-2	021		
Funding Sou	irce	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water							32,000
	<b>T</b> - 4 - 1	•	<u> </u>	\$0	\$0	\$0	\$32,000
idget hy Expenditure	Total	\$0	\$0	ŞU	ŲŲ	ŲŲ	<i>\$32,000</i>
Expense Ty	Туре	\$0 2022	\$0 2023	2024	2025	2026	2027
Expense Ty	<b>Type</b> pe	2022	2023	2024	2025	2026	<b>2027</b> 32,000
Expense Ty	Туре					·	2027
Expense Ty Water Network xplain any changes fro his is a new project for the 2 xplain any changes fro	Type pe Total m the 2021 CIP in 022 CIP. Funds were in m the 2021 CIP in	2022 \$0 the proposed fu reallocated from othe the proposed fu	2023 \$0 unding for this projecter er areas so there wasn't a unding for this progr	2024 \$0 ct. a large change from ram.	2025 \$0 the overall 2021 CIP bud	2026 \$0 get.	<b>2027</b> 32,000
Expense Ty Water Network kplain any changes fro his is a new project for the 2 kplain any changes fro his is a new project for the 2 Priority & Justifica	Type pe Total m the 2021 CIP in 2022 CIP. Funds were in m the 2021 CIP in 2022 CIP. Funds were in 2022 CIP. Funds	2022 \$0 the proposed fu reallocated from othe the proposed fu	2023 \$0 unding for this projecter er areas so there wasn't a unding for this progr	2024 \$0 ct. a large change from ram.	2025 \$0 the overall 2021 CIP bud	2026 \$0 get.	<b>2027</b> 32,000
Expense Ty Water Network Coplain any changes fro his is a new project for the 2 coplain any changes fro his is a new project for the 2 riority & Justifica Citywide Elem	Type pe Total m the 2021 CIP in 2022 CIP. Funds were in m the 2021 CIP in 2022 CIP. Funds were in 2022 CIP. Funds	2022 \$0 the proposed fu reallocated from othe the proposed fu reallocated from othe	2023 \$0 unding for this project er areas so there wasn't a unding for this progr er areas so there wasn't a	2024 \$0 ct. a large change from am. a large change from	2025 \$0 the overall 2021 CIP bud	2026 \$0 Iget.	2027 32,000 \$32,000
Expense Ty Water Network Aplain any changes fro his is a new project for the 2 cplain any changes fro his is a new project for the 2 riority & Justifica Citywide Elem Strategy	Type pe Total m the 2021 CIP in 022 CIP. Funds were in 022 CIP. Fund	2022 \$0 the proposed fu reallocated from othe reallocated from othe reallocated from othe	2023 \$0 unding for this project er areas so there wasn't a unding for this progr er areas so there wasn't a otect Madison's water	2024 \$0 ct. a large change from am. a large change from	2025 \$0 the overall 2021 CIP bud	2026 \$0 Iget.	2027 32,000 \$32,000
Expense Ty Water Network kplain any changes fro his is a new project for the 2 kplain any changes fro his is a new project for the 2 Priority & Justifica Citywide Elem Strategy Describe how	Type pe Total m the 2021 CIP in 1022 CIP. Funds were i	2022 \$0 the proposed fu reallocated from othe the proposed fu reallocated from othe silient Pro-	2023 \$0 unding for this project er areas so there wasn't a unding for this progr er areas so there wasn't a otect Madison's water	2024 \$0 ct. a large change from a large change from supply and infrastr	2025 \$0 the overall 2021 CIP bud the overall 2021 CIP bud	2026 \$0 lget.	2027 32,000 \$32,000
Expense Ty Water Network kplain any changes fro his is a new project for the 2 kplain any changes fro his is a new project for the 2 Priority & Justifica Citywide Elem Strategy Describe how This program re	Type pe Total m the 2021 CIP in 1022 CIP. Funds were i	2022 \$0 the proposed fu reallocated from other the proposed fu reallocated from other isilient Pro- es the Citywide Election ting undersized or definition	2023 \$0 unding for this project er areas so there wasn't a unding for this progr er areas so there wasn't a otect Madison's water a ement:	2024 \$0 ct. a large change from a large change from supply and infrastr	2025 \$0 the overall 2021 CIP bud the overall 2021 CIP bud	2026 \$0 lget.	2027 32,000 \$32,000
Water Network xplain any changes fro his is a new project for the 2 xplain any changes fro his is a new project for the 2 Priority & Justifica Citywide Elem Strategy Describe how This program re What is the ju This project rej	Type  pe  Total  Total  m the 2021 CIP in  2022 CIP. Funds were in  2022 CIP. Funds  2022 CIP. Funds 2022 Funds 2022 Funds 2022 Funds 2022 Funds 2	2022 \$0 the proposed fu reallocated from other reallocated from other rea	2023 \$0 unding for this project er areas so there wasn't a unding for this progr er areas so there wasn't a otect Madison's water a ement:	2024 \$0 ct. a large change from am. a large change from supply and infrastr	2025	2026 \$0 Iget.	2027 32,000 \$32,000 ture.

The p	project extends t	hrough an enronmental jus	tice area with higher p	percentage	of Blac	k, Indigen	ous, ai	nd Peo	ple of C	Color. The project will assist in creating a safe,
	ienient transport	tation corridor for transit, m	notor vehicles, bicycles	s and pede						
	What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?					t, The project extends through an environmental justice area with higher percentage of Black, Indigenous, and People of Color.				
		ed for their perspectives din their feedback?	rectly and, if so, how h	have we	The proj	ect hasn't be	egun ye			
	How will we	continue to communicate v	with them in this proc		Public I Facebo		n mee	tings, p	project	website with staff contacts, Twitter and
	race, non-bin	d any data related to the p ary and transgender peopl encing homelessness, or ur	e, people with disabil		0 0 0	Yes No Some, r	not all			
	e proposed budg	et or budget change relate	d to a recommendatio		y of the	e City's tea	ams or			at connect community need with opportunitie
to ad	ivance racial equ	iity, inclusion, and social ju	Stice (e.g., NRIS, RESI	I, LCE I, IVIA		Yes		•	Plans)? No	
	If so, please i	dentify the respective grou	p and recommendatic	on.						
roject	t Schedule	& Location								
	Can this proje	ect be mapped?	💿 Yes  🔿 No							
	What is the le	ocation of the project?	USH 12/18 to High	n Point Roa	d					
	Is this project	t on the Project's Portal?	🔾 Yes   💿 No							
2022	Status Stat	tus/Phase	Est Cost D	Description						
2023	Status									
	Stat	tus/Phase	Est Cost	Description						
2024	Status									
2024		us/Phase	Est Cost	Description	,					
2025	Status									
	State	us/Phase	Est Cost	Description	n					
	Charters									
2026	Status		Est Cost	Descriptio						
	Stat	us/Phase	Est Cost	Descriptio	n					
2027	Status									
	State	us/Phase	Est Cost	Descriptio	n					
			32000	Pipeline I	Improve	ements				
Operat	ting Costs		32000	Pipeline I	Improve	ements				
Vhat are	the estimated a	annual operating costs asso	ciated with the projec	ct?						
ersonne										
# of FTEs	Annual Cost	Description								
on-Perso	onnel									
Major	Amount	Description								

Notes		
Notes:		
		v1 03/15/2021

			20	22 Capital In	nprovemer	nt Plan		
				•	¦ lget Proposa			
المالية المالية المالية (1910). المالية المالية (1910).								
Identityii	ng Informat	πon						
Agency		Water Utility		Proposa	al Name	Outer Capitol Loop S	outh	
Project Nur	nber	10303		Project	Туре	Project		
Project Cate	egory	Land Use and T	ranspor	Priority	:	Select		
Description								
experience. T	he pavement qu	uality rating for t	he roadway is curren		t's scope includes	s to improve the road reconstruction of East is for construction.		
-	formation							
Total Pro	oject Budget			\$27,000 Prior /	Appropriation on Fiscal Years 2015-2	021	\$0	
Budget by Fi	unding Source							
	Funding Source		2022	2022	2024	2025	2020	2027
Revenue Bon			2022	<b>2023</b> 27,000	2024	2025	2026	2027
		Total	\$0	\$27,000	\$0	\$0	\$0	\$0
Budget by Ex	kpenditure Typ	be						
Water Netwo	Expense Type		2022	2023	2024	2025	2026	2027
				27,000				
	JTK	Total	\$0	\$27,000	\$0	\$0	\$0	\$0
	changes from t	the 2021 CIP in	n the proposed fun	ding for this projec	t.	\$0 nge from the overall 2	· , ,	\$0
xplain any o his is a new p xplain any o	changes from t project for the 20 changes from t	the 2021 CIP in 022 CIP. Funds v the 2021 CIP in	n the proposed fun vere reallocated from n the proposed fun	ding for this project other areas so there ding for this progra	c <b>t.</b> wasn't a large cha a <b>m.</b>	· · · · · · ·	021 CIP budget.	\$0
xplain any o his is a new p xplain any o his is a new p Priority &	changes from t project for the 20 changes from t	the 2021 CIP in 122 CIP. Funds v the 2021 CIP in 122 CIP. Funds v	n the proposed fun vere reallocated from n the proposed fun vere reallocated from	ding for this project other areas so there ding for this progra	c <b>t.</b> wasn't a large cha a <b>m.</b>	nge from the overall 2	021 CIP budget.	\$0
xplain any o his is a new p xplain any o his is a new p Priority & Ci	changes from t project for the 20 changes from t project for the 20 . Justificatic	the 2021 CIP in 122 CIP. Funds v the 2021 CIP in 122 CIP. Funds v DN	n the proposed fun vere reallocated from n the proposed fun vere reallocated from esilient	ding for this project other areas so there ding for this progra other areas so there	c <b>t.</b> wasn't a large cha <b>am.</b> wasn't a large cha	nge from the overall 2	021 CIP budget. 021 CIP budget.	
xplain any o his is a new p xplain any o his is a new p Priority & Ci Si	changes from t project for the 20 changes from t project for the 20 . Justificatic itywide Element trategy	the 2021 CIP in 22 CIP. Funds v the 2021 CIP in 22 CIP. Funds v DN Green and R	n the proposed fun vere reallocated from n the proposed fun vere reallocated from esilient	ding for this project other areas so there ding for this progra other areas so there ect Madison's water s	c <b>t.</b> wasn't a large cha <b>am.</b> wasn't a large cha	nge from the overall 2 nge from the overall 2	021 CIP budget. 021 CIP budget.	
xplain any o his is a new p xplain any o his is a new p Priority & Ci Si D	changes from t project for the 20 changes from t project for the 20 . JUSTIFICATIC itywide Element trategy escribe how this	the 2021 CIP in 122 CIP. Funds v the 2021 CIP in 122 CIP. Funds v 122 CIP. Funds v 123 Green and R 124 Green and R	n the proposed fun vere reallocated from n the proposed fun vere reallocated from esilient Prot	ding for this project other areas so there ding for this progra other areas so there ect Madison's water s	e <b>t.</b> wasn't a large cha <b>am.</b> wasn't a large cha supply and infrastr	nge from the overall 2 nge from the overall 2	021 CIP budget. 021 CIP budget. clean drinking water	
ixplain any o his is a new p rhis is a new p Priority & Ci St D Ti	changes from t project for the 20 changes from t project for the 20 JUSTIFICATIC itywide Element trategy escribe how this his program rehi	the 2021 CIP in 122 CIP. Funds v the 2021 CIP in 122 CIP. Funds v 122 CIP. Funds v 123 Green and R 124 Green and R 125 Green and R 126 Green and R	n the proposed fun vere reallocated from n the proposed fun vere reallocated from esilient Prot ses the Citywide Elem g deteriorated water r	ding for this project other areas so there ding for this progra other areas so there ect Madison's water s	e <b>t.</b> wasn't a large cha <b>am.</b> wasn't a large cha supply and infrastr	nge from the overall 2 nge from the overall 2 ucture to provide safe	021 CIP budget. 021 CIP budget. clean drinking water	
xplain any o his is a new p his is a new p Priority & Ci Si D Ti V V	changes from t project for the 20 changes from t project for the 20 . JUSTIFICATIC itywide Element trategy escribe how this his program rehi What is the justif	the 2021 CIP in 22 CIP. Funds v the 2021 CIP in 22 CIP. Funds v 22 CIP. Funds v CDN Green and R bilitates existing fication for this existing failed and	n the proposed fun vere reallocated from n the proposed fun vere reallocated from esilient Prot eses the Citywide Elen ; deteriorated water r project?	ding for this project other areas so there ding for this progra other areas so there ect Madison's water s nent: mains to meet establis	c <b>t.</b> wasn't a large cha <b>am.</b> wasn't a large cha supply and infrastr	nge from the overall 2 nge from the overall 2 ucture to provide safe	021 CIP budget. 021 CIP budget. clean drinking water ain infrasturcture.	

 Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, 2022 Capital Budget

 Agency Requests
 24

While this project is not located in an environmental justic area access to the Cat the City. This project will enhance vehicle, bicycle and pedestrian access to the opportunities. Water is participating in this project as it is a major street and we	
What City agencies or community partners are affected by, care about or already working on issues related to this project/program?	, City Engineering and Planning Dept. This project develops the roadway as identified

Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?

How will we continue to communicate with them in this process?

Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?

the City Downtown plan.

This project has not yet begun

Public Information Mettings, project websit with staff contacts, Twitter, Facebook

Yes 0 0 No

Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

 $\bigcirc$ 

	If so,	please identif	, the respe	ctive group	and recomm	nendation
--	--------	----------------	-------------	-------------	------------	-----------

•		
Yes	۲	No

Can this project be mapped? ● Yes ○ No

What is the location of the project? Is this project on the Project's Portal?

**Project Schedule & Location** 

Martin Luther King Jr Blvd, E Doty St to S Webster St, E Wilson St 🔾 Yes ( No

2022 Status

	Status/Phase	Est Cost	Description
2023	Status		
	Status/Phase	Est Cost	Description
		27000	Pipeline Improvement
2024	Status		
	Status/Phase	Est Cost	Description
2025	Status		
	Status/Phase	Est Cost	Description
2026	Status		
	Status/Phase	Est Cost	Description
2027	Status		
	Status/Phase	Est Cost	Description

## **Operating Costs**

What are the estimated annual operating costs associated with the project?

Personne	
# of	An

# of FTEs	Annual Cost	Description
Non-Pers	onnel	
Major	Amount	Description

	Majo	r	Amount	Description
L				
N	otes			
No	tes:			
				v1 03/15/2021

		20	22 Capital In	nprovemen	t Plan		
			Project Buc	dget Proposa	l		
dentifying Infori	mation						
gency	Water Utility		Proposa	al Name	Park Street, South (O	lin t	
Project Number 11133			Project	Туре	Project		
roject Category	Land Use and Tra	anspor	Priority	:	Select		
escription							
his project is for reconst roject's scope includes :							
udget Informati	on						
Total Project Budge	et		\$632,000 <b>Prior</b>	Appropriation on Fiscal Years 2015-20	21	\$170,000	
udget by Funding Sou	Irce		based		21		
Funding So		2022	2023	2024	2025	2026	2027
evenue Bonds-Water			25,000	2024	437,000	2020	
	Total	\$0	\$25,000	\$0	\$437,000	\$0	\$0
dget by Expenditure	е Туре						
Expense Type		2022	2022	2024	2025	2026	2027
	ype	2022	<b>2023</b> 25,000	2024	<b>2025</b> 437,000	2026	2027
/ater Network	Total	\$0	25,000 \$25,000	\$0		2026 \$0	<b>2027</b>
Vater Network plain any changes from is is a new project for the plain any changes from is is a new project for the	Total om the 2021 CIP in 2022 CIP. Funds were r om the 2021 CIP in 2022 CIP. Funds were r	\$0 the proposed fun eallocated from other the proposed fun	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra	\$0 ct. a large change from t am.	437,000 \$437,000	\$0 get.	
Vater Network plain any changes from is is a new project for the plain any changes from is is a new project for the riority & Justificity Citywide Eler	Total om the 2021 CIP in 2022 CIP. Funds were r om the 2021 CIP in 2022 CIP. Funds were r ation	\$0 the proposed fun eallocated from other the proposed fun eallocated from other	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra	\$0 ct. a large change from t am.	437,000 \$437,000	\$0 get.	
Vater Network plain any changes from is is a new project for the plain any changes from is is a new project for the riOrity & Justific Citywide Eler Strategy	Total Total Total Total Total CIP in 2022 CIP. Funds were r COM the 2021 CIP in 2022 CIP. Funds were r	\$0 the proposed fun eallocated from other the proposed fun eallocated from other silient Prot	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s	\$0 ct. a large change from t am. a large change from t	437,000 \$437,000	\$0 get.	\$0
Vater Network plain any changes from is is a new project for the plain any changes from is is a new project for the riority & Justific Citywide Eler Strategy Describe how	Total om the 2021 CIP in 2022 CIP. Funds were r om the 2021 CIP in 2022 CIP. Funds were r ation	\$0 the proposed fun eallocated from other the proposed fun eallocated from other silient Prot	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s hent:	\$0 ct. a large change from t am. a large change from t supply and infrastru	437,000 \$437,000 ne overall 2021 CIP bud ne overall 2021 CIP bud	\$0 get. get.	\$0 
Water Network	Total	\$0 the proposed fun eallocated from other the proposed fun eallocated from other silient Prot sthe Citywide Elen ing undersized or dete roject? nd/or undersized wate	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s nent: eriorated water mains to	\$0 ct. a large change from t am. a large change from t supply and infrastru o meet established U	437,000 \$437,000 ne overall 2021 CIP bud ne overall 2021 CIP bud icture to provide safe tility Level-of-Service fo	\$0 get. get.	\$0 
Water Network Applain any changes from is is a new project for the is is a new project for the riority & Justification Citywide Eler Strategy Describe how This program ri What is the justicity This project references	Total	\$0 the proposed fun eallocated from other the proposed fun eallocated from other silient Prot sthe Citywide Elen ing undersized or dete roject? nd/or undersized wate	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s nent: eriorated water mains to	\$0 ct. a large change from t am. a large change from t supply and infrastru o meet established U	437,000 \$437,000 ne overall 2021 CIP bud ne overall 2021 CIP bud icture to provide safe tility Level-of-Service fo	\$0 get. get.	r. cture.
Water Network	Total	\$0 the proposed fun eallocated from other the proposed fun eallocated from other silient Prot ing undersized or dete roject? nd/or undersized wate	25,000 \$25,000 ding for this project areas so there wasn't a ding for this progra areas so there wasn't a ect Madison's water s nent: eriorated water mains to	\$0 ct. a large change from t am. a large change from t supply and infrastru o meet established U	437,000 \$437,000 ne overall 2021 CIP bud ne overall 2021 CIP bud icture to provide safe tility Level-of-Service fo	\$0 get. get.	r. cture.

exter	nds through the	Southside NRT. Imp	nental justic area with high proving the pavement, side : is a major street and we v	walks and bik	ke facilit	ies in this area	will creat	e safe convenie	ent transportat		
			ty partners are affected by attend to this project/progra		This pr of Blac	k, Indigenous,	and Peop	le of Color and	people with lo	with higher perce wer incomes. It a working on this p	also
		ed for their perspec their feedback?	ctives directly and, if so, ho	ow have we	The pro	ject has not begu	n yet.				
	How will we	continue to commu	unicate with them in this p	orocess?				nsive coordinat website, Twitte		uthside NRT, Pub k.	olic
	race, non-bin	nary and transgende	to the project/program the er people, people with dis ss, or undocumented state	abilities,	○ ○ ●	Yes No Some, not	all				
			ge related to a recommenc social justice (e.g., NRTs, R						ct community	need with oppor	rtunities
					۲	Yes	0	No			
	If so, please i	dentify the respecti	ive group and recommend	lation.	Souths	ide NRT					
Project	t Schedule	& Location									
		ect be mapped?	● Yes 🔾 No								
		ocation of the proje		Crossing to W	/ Olin Av	/e.					
	Is this projec	t on the Project's Po	ortal? 🔿 Yes 💿 No								
2022	Status Sta	tus/Phase	Est Cost	Description	1						
2023	Status										
	Sta	tus/Phase	Est Cost	Description							
	Ctatura		25000	Finishing	constru	ction design					
2024	Status	us/Phase	Est Cost	Descriptio	n						
	544	us, i nusc	Est cost	Descriptio							
2025	Status	,									
	Stat	us/Phase	Est Cost	Descriptio	on						
	<u></u>		437000	Pipeline Im	proveme	nts					
2026	Status	(D)	5-4-64	Description							
	Stat	tus/Phase	Est Cost	Descriptio	011						
2027	Status										
	Stat	us/Phase	Est Cost	Descriptio	on						
Onerat	ting Costs										
	C										
What are	the estimated a	annual operating co	osts associated with the pr	oject?							
Personne # of	l Annual Cost	Description									
FTEs											
Non-Perso	onnel										
Major	Amount	Description									

2022 Capital Budget

	Majo	r	Amount	Description
L				
N	otes			
No	tes:			
				v1 03/15/2021

		202	2 Capital In	nprovemen	t Plan		
			Project Buc	lget Proposa	I		
dentifying Inforn	nation						
Agency Water Utility Project Number 10284		Proposal Na		al Name	Pleasant View Road -	Pha	
			Project	Туре	Project	1 ne	
roject Category	Land Use and Tr	ranspor	Priority	:	11		
Description							
his project is for reconstr he current pavement rat oadway. Construction is p	ing is 4 of 10. The pr	roject's scope includes	construction of a fo	ur lane roadway w			
udget Informatic Total Project Budge			\$894,000 <b>Prior A</b> *Based o	Appropriation on Fiscal Years 2015-20	21	\$65,000	
udget by Funding Sou							
Funding Sou	rce	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water	Total	24,000 \$24,000	\$805,000	\$0	\$0	\$0	\$0
<i>Expense Ty</i> Vater Network		<b>2022</b> 24,000	<b>2023</b> 805,000	2024	2025	2026	2027
	Total	\$24,000	\$805,000	\$0	\$0	\$0	\$0
xplain any changes fro nis is a new project for the xplain any changes fro	e 2022 CIP. Funds w m the 2021 CIP in e 2022 CIP. Funds w	rere reallocated from o <b>the proposed fund</b> rere reallocated from o	ther projects and pr	ograms so there w			
		esilient					
Priority & Justifica Citywide Elem Strategy	ent Green and Re			supply and infrastru	ucture to provide safe	clean drinking water.	
Priority & Justifica Citywide Elem Strategy Describe how	ent Green and Re	Protec	nt:				
Priority & Justifica Citywide Elem Strategy Describe how This program	ent Green and Re	Protec es the Citywide Eleme existing undersized or c	nt:				
Priority & Justifica Citywide Elem Strategy Describe how This program What is the ju	ent Green and Re this project advance repairs/or replaces e astification for this p aces existing failed and/	Protec es the Citywide Eleme existing undersized or c	nt: leteriorated water n	nains to meet estat	blished Utility Level-of	Service for water ma	ain infrastructure.

While this project is not located in an environmental justice area it is an arterial route that provdes access to a commercial area provding employment to a significant number of residents. The new sidewalk and multi-use path will extend opportunities for people to walk and bike along the Pleasnt View Corridor. The median will enhance safety for pedestrian crossing. Water is participating in this project as it is a major street and we want to minimize the number of times the street would be torn up.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?

What City engineering, Planning Department, and The City of Middleton. The City of Middleton are a co-sponsor of this project. This project develops the roadway as planned in both municipalities Neighborhood Development Plans.

Have we asked for their perspectives directly and, if so, how have we

City Engineering has implemented public information meetings, project website with staff contacts, Twitter and Facebook.

How will we continue to communicate with them in this process?

incorporated their feedback?

Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status? YesNo

Some, not all

Project website, Twitter and Facebook.

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

					0	Yes	۲	Νο			
	If so, please	identify the respective grou	p and recommend	lation.							
Projec	t Schedule	& Location									
	Can this project be mapped? What is the location of the project?		● Yes  ○ No								
			US-14 to Old Sauk Rd								
		ct on the Project's Portal?	● Yes ○ No								
	lf so, enter t	he URL:	https://www.ci	ityofmadisor	n.com/en	gineer					
2022	Status										
	Sta	itus/Phase	Est Cost	Descriptio	n						
			24000	Start the	construc	tion process					
2023	Status										
	Sta	itus/Phase	Est Cost	Descriptio	on						
			805000	Pipeline	Improver	ment					
2024	Status										
	Stat	tus/Phase	Est Cost	Descriptio	on						
2025	Status										
	Stat	tus/Phase	Est Cost	Descripti	ion						
2026	Status										
	Sta	tus/Phase	Est Cost	Descript	ion						
	Status										
2027											
	Stat	tus/Phase	Est Cost	Descript	ion						
Opera	ting Costs										
•	0										
What are	• the estimated	annual operating costs asso	ciated with the pr	oiect?							
				-,							
Personne	el										
# of	Annual Cost	Description									
FTEs											

Major	Amount	Description	
otes			
es:			
			v1 03/15/2
			VI 03/13/2

		202	22 Capital In	nprovemer	nt Plan		
			Project Buc	lget Proposa	al		
dentifying Inform	mation						
Agency	Water Utility		Proposa	al Name			
Project Number	12440		Project		Unit Well #8 Reconstr Project	uct	
niect Category			Priority		-		
,,	Utility				Select		
Description							
udget Informatio Total Project Budgo dget by Funding Sou	et		\$11,949,000 Prior A *Based of	Appropriation on Fiscal Years 2015-20	021	\$120,000	
Funding So		2022	2023	2024	2025	2026	2027
-		-		-	88,000	1,778,000	2,292,000
Revenue Bonds-Water							
	Total	\$0	\$0	\$0	\$88,000	\$1,778,000	\$2,292,000
udget by Expenditure Expense Ty	Туре	\$0 2022	\$0 2023	\$0 <b>2024</b>	2025	2026	\$2,292,000 <b>2027</b>
udget by Expenditure Expense T Building	Туре					<b>2026</b> 1,578,000	
udget by Expenditure Expense Tj Building Land	Туре				2025	2026	
udget by Expenditure Expense Tj Building Land	ype	2022	2023	2024	<b>2025</b> 88,000	<b>2026</b> 1,578,000 200,000	2027
Revenue Bonds-Water Budget by Expenditure Expense T Building Land Water Network Explain any changes fro his project was scheduler Explain any changes fro	Type ype Total Total om the 2021 CIP in t d to start in 2024 in the	2022 \$0 he proposed func- e 2021 CIP. We have	2023 \$0 ding for this project e moved it out one ye	2024 \$0 ct.	2025 88,000 \$88,000 \$88,000	2026 1,578,000 200,000 \$1,778,000	<b>2027</b> 2,292,000 \$2,292,000
udget by Expenditure Expense T Building Land Water Network xplain any changes from his project was scheduled xplain any changes from his project was scheduled	Type ype Total Total om the 2021 CIP in the	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func-	2023 \$0 ding for this project e moved it out one ye ding for this progra	2024 \$0 ct. ear and it will now am.	2025 88,000 \$88,000 \$88,000 start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this	2027 2,292,000 \$2,292,000
udget by Expenditure Expense T Building Land Water Network Aplain any changes from his project was scheduled Aplain any changes from his project was scheduled his project was	Type ype Total Total Total om the 2021 CIP in the om the 2021 CIP in the om the 2021 CIP in the ation	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func- e 2021 CIP. We have	2023 \$0 ding for this project e moved it out one ye ding for this progra	2024 \$0 ct. ear and it will now am.	2025 88,000 \$88,000 \$88,000 start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this	2027 2,292,000 \$2,292,000
udget by Expenditure Expense T Building Land Water Network Aplain any changes from his project was scheduled Aplain any changes from his project was scheduled riority & Justification Citywide Eler	Type ype Total Total Total Total to start in 2024 in the the 2021 CIP in t the ation	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func- e 2021 CIP. We have	2023 \$0 ding for this project e moved it out one ye ding for this progra	2024 \$0 ct. ear and it will now am. ear and it will now	2025 88,000 \$88,000 \$88,000 start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this etary change in this	2027 2,292,000 \$2,292,000 project.
udget by Expenditure Expense T Building Land Water Network xplain any changes from his project was scheduled xplain any changes from his project was scheduled Priority & Justifica Citywide Eler Strategy	Type ype Total Total om the 2021 CIP in t d to start in 2024 in the om the 2021 CIP in t d to start in 2024 in the ation Green and Res	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func- e 2021 CIP. We have ilient Prote	2023 \$0 ding for this project e moved it out one ye ding for this progra e moved it out one ye e moved it out one ye	2024 \$0 ct. ear and it will now am. ear and it will now	2025 88,000 \$88,000 \$88,000 start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this etary change in this	2027 2,292,000 \$2,292,000 project.
udget by Expenditure Expense T Building Land Water Network Aplain any changes from his project was scheduled Aplain any changes from his project was scheduled Priority & Justification Citywide Eler Strategy Describe how	Type ype Total Tot	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func- e 2021 CIP. We have illient Prote the Citywide Elem	2023 \$0 ding for this project e moved it out one ye ding for this progra e moved it out one ye ent moved it out one ye	2024 \$0 ct. ear and it will now am. ear and it will now	2025 88,000 \$88,000 \$88,000 start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this etary change in this	2027 2,292,000 \$2,292,000 project.
Budget by Expenditure Expense T Building Land Water Network xplain any changes from inis project was scheduled inis project was scheduled Priority & Justifica Citywide Eler Strategy Describe how Meeting esta reliability.	Type ype Total Tot	2022 \$0 he proposed func- e 2021 CIP. We have he proposed func- e 2021 CIP. We have illient Prote- ithe Citywide Elem oals is essential to r	2023 \$0 ding for this project e moved it out one ye ding for this progra e moved it out one ye ent moved it out one ye	2024 \$0 ct. ear and it will now am. ear and it will now	2025 88,000 \$88,000 \$88,000 start in 2025. No mone start in 2025. No mone	2026 1,578,000 200,000 \$1,778,000 etary change in this etary change in this	2027 2,292,000 \$2,292,000 project.

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making. 2022 Capital Budget Agency Requests 33

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age
home language, etc.) would be affected by the proposed budget or budget change(s)?

every	neighborhood in Madison. These attractio	ns also bring in visitors from	d within Olbrich Park and adjacent to Olbrich Gardens both of which attract visitors from outside the City. To the extent practical, MWU facility improvement projects incorporate to all residents and visitors in the vicinity of the facility.
	What City agencies or community partr or already working on issues related to		out, The Olbrich Park and nearby Olbrich Gardens affect people of all colors, ages, races and incomes.
	Have we asked for their perspectives di incorporated their feedback?	rectly and, if so, how have v	ve This project will work very closely with the public, DNR, PSC, local representatives, Park Dept, Olbrich Gardens, and Lake Monona/Starkweather Creek communities. At this phase in the project, outreach efforts have not started.
	How will we continue to communicate	with them in this process?	Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc.
	Have we used any data related to the p race, non-binary and transgender peop those experiencing homelessness, or ur	le, people with disabilities,	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>
	proposed budget or budget change relate vance racial equity, inclusion, and social ju		m any of the City's teams or initiatives that connect community need with opportunities ſ, MAC, WIC, Equitable Workforce Plans)?
	If so, please identify the respective grou	p and recommendation.	Ves  No
oject	Schedule & Location		
	Can this project be mapped?	es ○ No	
	What is the location of the project?	3206 Lakeland Avenue	
	Is this project on the Project's Portal?	🔾 Yes 💿 No	
2022	Status		
	Status/Phase	Est Cost Descri	ממ
2023	Status		
	Status/Phase	Est Cost Descri	ption
2024	Status		
	Status/Phase	Est Cost Descr	ption
	Status		
2025			
2025	Status/Phase	Est Cost Descr	•
			iption Engagement and Engineering Services
2025 2026	Status/Phase Status Status/Phase	88000 Public	•

 Status/Phase
 Est Cost
 Description

 1578000
 Public Engagement, Engineering Services & Building Rehab

 200000
 Property Acquisition and Permitting

 2027
 Status/Phase
 Est Cost
 Description

2292000

## **Operating Costs**

What are the estimated annual operating costs associated with the project?

#### Personnel

	# of FTEs	Annual Cost	Description							
	.83	9 700								
	.05	8,700	Facility is operated by existing personnel.							
1	202	22 Capital Buc	get Agency Requests	34						

Pipeline Improvements

## Non-Personnel

Major	Amount	Description
54	6,500	Electric power for treatment.
53	5,000	Water treatement chemicals.
es		
es		
es 		

		20	22 Capital In	nrovemer	at Plan		Subr
		20.	•	lget Proposa			
			Project But	iget Floposo	וג		
Identifying Inform	mation						
Agency	Water Utility		Proposa	al Name	Unit Well 12 Convers	ion	
Project Number	10452	10452		Project Type		Project	
Project Category Utility			Priority:		Select		
Description							
This project is for rebuild which represents the ma for design and funding in	jority of the City's we	st side. The system					
Budget Information	on						
Total Project Budge			\$4,058,000 <b>Prior</b>	•• •		\$1,441,588	
Budget by Funding Sou	irce		*Based (	on Fiscal Years 2015-2	021		
Funding So	urce	2022	2023	2024	2025	2026	2027
			262.000	3,754,000	41,000		
Revenue Bonds-Water			263,000	3), 3 1)000			
Revenue Bonds-Water	Total	\$0	\$263,000	\$3,754,000	\$41,000	\$0	\$0
		\$0			\$41,000	\$0	\$0
	• Туре	\$0 2022			\$41,000 2025	\$0 2026	\$0 2027
udget by Expenditure Expense Ty	• Type ype		\$263,000	\$3,754,000			
udget by Expenditure Expense Ty	• Туре		\$263,000 2023	\$3,754,000 <b>2024</b>	2025		
Expenditure Expense Ty Building xplain any changes fro	e Type ype Total om the 2021 CIP in his project from our 2	2022 \$0 the proposed fun 2021 CIP.	\$263,000 2023 263,000 \$263,000 ding for this project	\$3,754,000 2024 3,754,000 \$3,754,000 ct.	<b>2025</b> 41,000	2026	2027
Building Expense Ty Building xplain any changes fro to substantial change in t xplain any changes fro	e Type ype Total om the 2021 CIP in his project from our 2 om the 2021 CIP in	2022 \$0 the proposed fun 2021 CIP. the proposed fun	\$263,000 2023 263,000 \$263,000 ding for this project	\$3,754,000 2024 3,754,000 \$3,754,000 ct.	<b>2025</b> 41,000	2026	2027
Eudget by Expenditure Expense Ty Building xplain any changes fro to substantial change in t xplain any changes fro to substantial change in t	Type Total Total om the 2021 CIP in his project from our 2 om the 2021 CIP in his project from our 2	2022 \$0 the proposed fun 2021 CIP. the proposed fun	\$263,000 2023 263,000 \$263,000 ding for this project	\$3,754,000 2024 3,754,000 \$3,754,000 ct.	<b>2025</b> 41,000	2026	2027
udget by Expenditure Expense Ty Building xplain any changes fro to substantial change in t xplain any changes fro lo substantial change in t Priority & Justifica Citywide Eler	Type Total Total om the 2021 CIP in his project from our 2 om the 2021 CIP in his project from our 2 ation	2022 \$0 the proposed fun 2021 CIP. the proposed fun 2021 CIP.	\$263,000 2023 263,000 \$263,000 ding for this project ding for this progra	\$3,754,000 2024 3,754,000 \$3,754,000 ct.	2025 41,000 \$41,000	2026 \$0	2027 \$0
Eudget by Expenditure Expense Ty Building xplain any changes fro to substantial change in t xplain any changes fro to substantial change in t Priority & Justifica Citywide Elen Strategy	e Type ype Total fom the 2021 CIP in his project from our 2 fom the 2021 CIP in his project from our 2 ation ment Green and Re	2022 \$0 the proposed fun 2021 CIP. the proposed fun 2021 CIP. :silient Prot	\$263,000 2023 263,000 \$263,000 ding for this project ding for this program ding for t	\$3,754,000 2024 3,754,000 \$3,754,000 ct.	<b>2025</b> 41,000	2026 \$0	2027 \$0
udget by Expenditure Expense T Building xplain any changes fro o substantial change in t xplain any changes fro o substantial change in t Priority & Justifica Citywide Eler Strategy Describe how	Type Total Total om the 2021 CIP in his project from our 2 om the 2021 CIP in his project from our 2 ation ment Green and Re v this project advance	2022 \$0 the proposed fun 2021 CIP. the proposed fun 2021 CIP. silient Prot es the Citywide Elem	\$263,000 2023 263,000 \$263,000 ding for this project ding for this program ding for t	\$3,754,000 2024 3,754,000 \$3,754,000 ct. am.	2025 41,000 \$41,000	2026 \$0	2027 \$0
udget by Expenditure Expense T Building xplain any changes from to substantial change in t xplain any changes from to substantial change in t Priority & Justificat Citywide Eler Strategy Describe how Operational f	e Type ype Total Total om the 2021 CIP in his project from our 2 om the 2021 CIP in his project from our 2 ation ment Green and Re y this project advance lexibility and efficience	2022 \$0 the proposed fun 2021 CIP. the proposed fun 2021 CIP. silient Prot es the Citywide Elem cy is essential to rene	\$263,000 2023 263,000 \$263,000 ding for this project ding for this progra ding for this progra	\$3,754,000 2024 3,754,000 \$3,754,000 ct. am.	2025 41,000 \$41,000	2026 \$0	2027 \$0
Budget by Expenditure Expense Ty Building Explain any changes from to substantial change in t Explain any changes from to substantial change in t Priority & Justificat Citywide Eler Strategy Describe how Operational f What is the j	Type Total T	2022 \$0 \$0 the proposed fun 2021 CIP. the proposed fun 2021 CIP. esilient Prot es the Citywide Elem cy is essential to rene project?	\$263,000 2023 263,000 \$263,000 ding for this project ding for this progra ding for this progra ect Madison's water s nent: ewing and maintaining	\$3,754,000 2024 3,754,000 \$3,754,000 ct. am. supply and infrastro g critical infrasture	2025 41,000 \$41,000	2026 \$0 clean drinking water	2027 \$0

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)? 2022 Capital Budget 36

Although this project is not located within an Environmental Justice Area, the scope of the facility improvements extend service from this facility into Pressure Zone 8, which includes many areas within Environmental Justice Areas with a higher percentage of both People of Color and people living below the property line. Project

	Status/Phase	Est Cost 263000	Description Engineering					
2023	Status Status	5-4.64	Description					
	•		•					
	Status/Phase	Est Cost I	Description					
022	Status							
	Is this project on the Project's Portal?	🔾 Yes   💿 No						
	What is the location of the project?	801 S Whitney Wa	ıy					
	Can this project be mapped?	● Yes  🔿 No						
oject	t Schedule & Location							
	If so, please identify the respective group	and recommendation	on.					
			(	Э	Yes	۲	No	
	proposed budget or budget change related vance racial equity, inclusion, and social justice of the provided second se		•					nect community need with opportuni
	those experiencing nomelessness, or un	documented status?	(	O Some, not all				
	race, non-binary and transgender people those experiencing homelessness, or un		lities, (	0	No			
	Have we used any data related to the pr	oject/program that d	etails (	С	Yes			
	Have we asked for their perspectives directly and, if so, how have we incorporated their feedback? How will we continue to communicate with them in this process?			Prior pipeline improvements related to this project involved many public communication efforts. Communication and stakeholder engagement efforts will resume closer to the proposed facility improvement construction. Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc.				
	or already working on issues related to t	his project/program?			•			public, DNR, PSC, and local t, outreach efforts are not occuring.

2024	Status		
	Status/Phase	Est Cost	Description
		3754000	Well Reconstruction and Upgrade
2025	Status		
	Status/Phase	Est Cost	Description
		41000	Water Utility Labor
2026	Status		
	Status/Phase	Est Cost	Description
2027	Status		
	Status/Phase	Est Cost	Description

# **Operating Costs**

What are the estimated annual operating costs associated with the project?

Personne	el 🛛	
# of FTEs	Annual Cost	Description
Non-Pers	onnel	
Major	Amount	Description

Major	Amount	Description
54	21000	Electrical power needed for pumping.
· ·		
otes		
otes:		
		v1 03/15/2021

dentifying Informa gency roject Number	ation	202	2 Capital Im				
gency	ation			•			
gency	ation		Program Bu	dget Propos	al		
roject Number	Water Utility		Proposa	I Name	Unit Well Rehab Progr	am	
Project Number12341Project CategoryUtility2022 Project Number13594			Project Type	Туре	Program		
			Priority:		1		
scription							
dget Informatior Prior Appropriation* *Based on Fiscal Years 2015- liget by Funding Source	<b>*</b> -2020	\$	421,849 Prior Year	Actual	\$208,71	9	
Funding Source			2023	2024	2025	2026	2027
	се	2022					262,000
serves Applied - Water	ce	<b>2022</b> 330,000	247,000	340,000	254,000	350,000	202,000
eserves Applied - Water	rce Total	-		340,000 \$340,000	254,000 \$254,000	350,000 \$350,000	\$262,000
dget by Expenditure Ty	Total ÿpe	330,000 \$330,000	247,000 \$247,000	\$340,000	\$254,000	\$350,000	\$262,000
dget by Expenditure Type	Total Type	330,000 \$330,000 2022	247,000 \$247,000 2023	\$340,000 <b>2024</b>	\$254,000 <b>2025</b>	\$350,000 <b>2026</b>	\$262,000 <b>2027</b>
lget by Expenditure Type	Total Type	330,000 \$330,000	247,000 \$247,000	\$340,000	\$254,000	\$350,000	\$262,000
dget by Expenditure Ty Expense Type lachinery and Equipment	Total ype e Total n the 2021 CIP in	330,000 \$330,000 2022 330,000 \$330,000	247,000 \$247,000 <b>2023</b> 247,000 \$247,000	\$340,000 <b>2024</b> 340,000 \$340,000	\$254,000 <b>2025</b> 254,000	\$350,000 2026 350,000	\$262,000 <b>2027</b> 262,000
dget by Expenditure Ty Expense Type achinery and Equipment	Total ype Total n the 2021 CIP in the 2021 CIP.	330,000 \$330,000 2022 330,000 \$330,000	247,000 \$247,000 <b>2023</b> 247,000 \$247,000	\$340,000 <b>2024</b> 340,000 \$340,000	\$254,000 <b>2025</b> 254,000	\$350,000 2026 350,000	\$262,000 <b>2027</b> 262,000
dget by Expenditure Ty Expense Type achinery and Equipment plain any changes from significant change from the iority & Justificat Citywide Elemen	Total ype Total n the 2021 CIP in the 2021 CIP.	330,000 \$330,000 2022 330,000 \$330,000 the proposed fund	247,000 \$247,000 2023 247,000 \$247,000	\$340,000 <b>2024</b> 340,000 \$340,000	\$254,000 <b>2025</b> 254,000 \$254,000	\$350,000 2026 350,000 \$350,000	\$262,000 2027 262,000 \$262,000
dget by Expenditure Type Expense Type achinery and Equipment plain any changes from significant change from the iority & Justificatt Citywide Element Strategy	Total Total Total n the 2021 CIP in the 2021 CIP. CON Cion Green and Re	330,000 \$330,000 2022 330,000 \$330,000 • the proposed fund esilient Protect	247,000 \$247,000 2023 247,000 \$247,000 \$247,000	\$340,000 <b>2024</b> 340,000 \$340,000	\$254,000 <b>2025</b> 254,000	\$350,000 2026 350,000 \$350,000	\$262,000 2027 262,000 \$262,000
dget by Expenditure Ty Expense Type achinery and Equipment plain any changes from significant change from the iority & Justificatty Citywide Elementy Strategy Describe how the	Total Ype e Total n the 2021 CIP in the 2021 CIP. Green and Re his project advance	330,000           \$330,000           \$330,000           2022           330,000           \$330,000           \$330,000           sale           sale	247,000 \$247,000 2023 247,000 \$247,000 \$247,000 ting for this progra	\$340,000 <b>2024</b> 340,000 \$340,000 m.	\$254,000 <b>2025</b> 254,000 \$254,000	\$350,000 2026 350,000 \$350,000 Clean drinking water.	\$262,000 2027 262,000 \$262,000

plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care ab or already working on issues related to this project/program?	out, The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have incorporated their feedback?	ve <sub>N/A</sub>
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

$\bigcirc$	Yes	۲	No	

## Project Schedule & Location

#### 2022 Projects

Project Name	Est Cost	Location
UW #28	\$82,500	8210 Old Sauk Road
UW #6	\$82,500	2757 University Avenue
UW #13	\$82,500	1201 Wheeler Road
UW #7	\$82,500	1709 N Sherman Avenue

### Explain the justification for selecting projects planned for 2022:

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

#### 2023 Projects

Project Name	Est Cost	Location
UW #16	\$82,500	6706 Mineral Point Road
GW #10		
UW #19	\$82,500	2526 Lake Mendota Drive
000 #19		
UW #25	\$82,000	5415 Queenbridge Road
0 ** #25		

#### Explain the justification for selecting projects planned for 2023:

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

Project name	Est Cost	Location
UW #14	\$85,000	5130 University Avenue
UW #9	\$85,000	4724 Spaanem Avenue
GW #9		
1944 #26	\$85,000	910 High Point Road
UW #26		
	\$85,000	18 N Randall Avenue
UW #27		

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

2025 Projects					
Project name	Est Cost	Location			
UW #31	\$85,000	4901 Tradewinds Parkway			
UW #12	\$85,000	801 S Whitney Way			
UW #29	\$84,000	829 N Thompson Drive			

#### Explain the justification for selecting projects planned for 2025:

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

#### 2026 Projects

Project name	Est Cost	Location
UW #8	\$87,500	3206 Lakeland Avenue
UW #17	\$87,500	201 S Hancock Street
UW #11	\$87,500	102 Dempsey Road
UW #30	\$87,500	1133 Moorland Road

### Explain the justification for selecting projects planned for 2026:

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

### 2027 Projects

Project Name	Est Cost	Location
UW #18	88,000	1925 S Park Street
UW #20	87,000	2829 Prairie Road
UW #24	87,000	101 N Livingston

### Explain the justification for selecting projects planned for 2027:

Maintaining our unit wells allows us to run our pumps at peak performance for safe and clean drinking water and fire protection. Regular maintenance allows the unit wells to run as efficient as possible and minimizes breakdowns and the need to unexpectedly take a well off-line. The DNR requires all pumps to be pulled and inspected every 10 years. MWU maintains a list of all unit wells and their corresponding maintenance schedule. The unit wells selected for maintenance each year are taken from this list.

# **Operating Costs**

#### What are the estimated annual operating costs associated with the projects planned within this program?

### Personnel

# 0 FTE	Annual Cost	Description

### Non-Personnel

Major	Amount	Description

N	otes
N	tes:
	v1 03/15/2021

Identifying Info Agency Project Number	mation		Project Buc	dget Propos	al		
Agency	mation						
Project Number	Water Utility		Propos	al Name	University Ave (Shore		
	11168	168		Туре	Project		
Project Category	Land Use and Tra	anspor	Briority		8		
Description							
ederal funding for this udget Informat	project has been secure	ed.					
Total Project Bud	get		\$2,675,000 Prior /	Appropriation on Fiscal Years 2015-2	001	\$1,366,000	
udget by Funding Sc	urce		- Dasea (				
Funding S	ource	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water		1,339,000					
	Total	\$1,339,000	\$0	\$0	\$0	\$0	\$0
udget by Expenditur		2022	2023	2024	2025	2026	2027
Water Network	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,339,000	2025	2024	2025	2020	2027
	Total	\$1,339,000	\$0	\$0	\$0	\$0	\$0
is is a new project for th iversity Avenue is a majorticipating.	rom the 2021 CIP in 2 2022 CIP. MWU shifted or thoroughfare and as su rom the 2021 CIP in	some dollars from othe ich we need to minimize	er programs and proje the time that the str	ects to help fund thi reet is disrupted.  C			
his is a new project for th Iniversity Avenue is a majo articipating.							
riority & Justifi							
Citywide Ele	ement Green and Res		t Madicon's water	supply and infrast	ructura ta provida cafa	clean drinking water	
Strategy	w this project advance			supply and initast	ructure to provide safe	clean uninking water.	
Strategy Describe ho							

	ibe how Black, Indigenous, and People c language, etc.) would be affected by the					e who are o	herwise marginalized (because o	f gender, age,	
	rsity Avenue is a major transportation co educe access to the hospitals. Water is pa							-	
					, City Engineering, Village of Shorewood Hills, UW, UW Hospital, VA Hospital, Metro Transit and businesses. This project was very carefully vetted with a large number of stakeholders to develop the project.				
	How will we continue to communicate with them in this process?				e area hospitals		lic information meetings and indvidual s ik is being utilized to create a specific tra		
					Information older meetir		oject website, Twitter, Facebook a	and individual	
				<ul><li></li><li></li><li></li><li></li><!--</td--><td>Yes No Some, no</td><td>t all</td><td></td><td></td></ul>	Yes No Some, no	t all			
	proposed budget or budget change rela vance racial equity, inclusion, and social							d with opportunitie	
				0	Yes	۲	Νο		
	If so, please identify the respective gro	oup and recommenda	tion.						
oject	Schedule & Location								
	Can this project be mapped? What is the location of the project?	Yes ONO Shorewood Blvd	to Universit	v Bav D	Dr				
	Is this project on the Project's Portal?	● Yes ○ No							
	If so, enter the URL:	https://www.city	yofmadison.	com/er	ngineer				
2022	Status								
	Status/Phase		Est Cost Description 1339000 Pipeline In		ments				
2023	Status	1555000	1339000 Pipeline In						
	Status/Phase	Est Cost	Description	1					
2024	Status								
	Status/Phase	Est Cost	Descriptio	1					
2025	Status								
	Status/Phase	Est Cost	Descriptio	n					
2026	Status								
	Status/Phase	Est Cost	Descriptio	on					
2027	Status								
	Status/Phase	Est Cost	Descriptio	on					
erat	ing Costs								

FTEs						
Non-Person	nel					
Major	Amount	Description				
otes						
tes:						
						v1 03/15/

		202	22 Capital In	nprovemer	nt Plan		
			•	dget Propos			
dentifying Inform	ation						
AgencyWater UtilityProject Number12385Project CategoryUtility2022 Project Number13595			Proposa	Proposal Name		am	
				Project Type			
			Priority	:	14		
Description							
udget Information Prior Appropriation <sup>*</sup> *Based on Fiscal Years 2015	k .		\$546,500 <b>Prior Year</b>	r Actual	\$506,17	4	
Funding Sour		2022	2023	2024	2025	2026	2027
Funding Sour		2022 350,000 \$350,000	<b>2023</b> 350,000 \$350,000	2024 350,000 \$350,000	2025 350,000 \$350,000	2026 350,000 \$350,000	<b>2027</b> 359,000 \$359,000
Funding Sour Reserves Applied - Water udget by Expenditure T	ce Total ype	350,000 \$350,000	350,000 \$350,000	350,000 \$350,000	350,000 \$350,000	350,000 \$350,000	359,000 \$359,000
Funding Sour Reserves Applied - Water udget by Expenditure T Expense Typ	ce Total ype	350,000	350,000	350,000	350,000	350,000	359,000
Funding Sour Reserves Applied - Water udget by Expenditure T Expense Typ	ce Total ype	350,000 \$350,000 2022	350,000 \$350,000 2023	350,000 \$350,000 2024	350,000 \$350,000 2025	350,000 \$350,000 2026	359,000 \$359,000 <b>2027</b>
Funding Sour Funding Sour Reserves Applied - Water udget by Expenditure T <i>Expense Typ</i> Water Network	Total ype e Total n the 2021 CIP in the 2021 CIP.	350,000 \$350,000 2022 350,000 \$350,000	350,000 \$350,000 2023 350,000 \$350,000	350,000 \$350,000 <b>2024</b> 350,000 \$350,000	350,000 \$350,000 2025	350,000 \$350,000 2026	359,000 \$359,000 <b>2027</b>
Funding Sour Funding Sour Reserves Applied - Water udget by Expenditure T <i>Expense Typ</i> Water Network	ce Total ype e Total n the 2021 CIP in the 2021 CIP.	350,000 \$350,000 2022 350,000 \$350,000 the proposed function	350,000 \$350,000 2023 350,000 \$350,000	350,000 \$350,000 <b>2024</b> 350,000 \$350,000	350,000 \$350,000 2025 350,000	350,000 \$350,000 2026 350,000	359,000 \$359,000 <b>2027</b> 359,000
Funding Sour Funding Sour Reserves Applied - Water udget by Expenditure T Expense Typ Water Network wplain any changes from o significant changes from riority & Justificat Citywide Eleme Strategy	ce Total ype e Total n the 2021 CIP in f the 2021 CIP. iOn nt Neighborhood Create corr	350,000 \$350,000 2022 350,000 \$350,000 the proposed func- Is and Housing uplete neighborhood	350,000 \$350,000 2023 350,000 \$350,000 ding for this progra	350,000 \$350,000 2024 350,000 \$350,000	350,000 \$350,000 2025 350,000	350,000 \$350,000 <b>2026</b> 350,000 \$350,000	359,000 \$359,000 <b>2027</b> 359,000 \$359,000
Reserves Applied - Water udget by Expenditure T Expense Typ Water Network xplain any changes from Priority & Justificat Citywide Eleme Strategy Describe how t We will allow sa	ce Total ype e Total n the 2021 CIP in f the 2021 CIP. iON nt Neighborhood Create com his project advance: afer access and oper	350,000 \$350,000 2022 350,000 \$350,000 the proposed func- ls and Housing uplete neighborhooc s the Citywide Elem rations by replacing,	350,000 \$350,000 2023 350,000 \$350,000 ding for this progra dis across the city whe ent: raising, or reloaction	350,000 \$350,000 2024 350,000 \$350,000 am.	350,000 \$350,000 2025 350,000 \$350,000 \$350,000 access to transportation rants. We will ensure ti	350,000 \$350,000 2026 350,000 \$350,000	359,000 \$359,000 <b>2027</b> 359,000 \$359,000
Funding Sour Funding Sour Reserves Applied - Water udget by Expenditure T Expense Typ Water Network xplain any changes from o significant changes from Priority & Justificat Citywide Eleme Strategy Describe how t We will allow sa for homeowner Racial Equity and	Total ype e Total n the 2021 CIP in fithe 2021 CIP. iON nt Neighborhood Create com his project advance: afer access and oper s and commerical fithe Social Justice	350,000 \$350,000 2022 350,000 \$350,000 \$350,000 the proposed func- the proposed func- s the Citywide Elem ations by replacing, re insurance by main	350,000 \$350,000 2023 350,000 \$350,000 ding for this progra ding for this progra ding for this progra	350,000 \$350,000 2024 350,000 \$350,000 am. ere residents have	350,000 \$350,000 2025 350,000 \$350,000 \$350,000 access to transportation rants. We will ensure ti	350,000 \$350,000 2026 350,000 \$350,000 \$350,000	359,000 \$359,000 2027 359,000 \$359,000 \$359,000

consistently meet our established level of service goals at sustainable and responsible asset lifecycle costs and acceptable levels of risk. The plan is structured to in 2022 @apitable.evels of risk of the plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in 2022 @apitable.evels of risk. The plan is structured to in a project's triple botton.evels of risk. The plan is structured to a structure at the plan is structured to a structure at the plan is structure at the plan is

plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care about or already working on issues related to this project/program?	, The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

	$\bigcirc$	Yes	۲	No
If so, please identify the respective group and recommendation.				

# Project Schedule & Location

Project Name	Est Cost	Location
2022 Water Utility Hydrant Program	\$350,000	Citywide
Explain the justification for selecting projects planned	d for 2022:	
Improving fire protection for homeowners and commo	ercial property ow	iners.
2023 Projects		
Project Name	Est Cost	Location
2023 Water Utility Hydrant Program	\$350,000	Citywide
Explain the justification for selecting projects planned	d for 2023:	
Improving fire protection for homeowners and commo	ercial property ow	iners
2024 Projects		
Project name	Est Cost	Location
2024 Water Utility Hydrant Program	\$350,000	Citywide
Explain the justification for selecting projects planned	d for 2024:	
Improving fire protection for homeowners and commo	ercial property ow	iners
2025 Projects		
Project name	Est Cost	Location
2025 Water Utility Hydrant Program	\$350,000	Citywide
Explain the justification for selecting projects planned	d for 2025:	
Improving fire protection for homeowners and commo	ercial property ow	iners
2026 Projects		
Project name	Est Cost	Location
2026 Water Utility Hydrant Program	\$350,000	Citywide
Explain the justification for selecting projects planned	d for 2026:	
Improving fire protection for homeowners and commo	ercial property ow	ners
2027 Projects		
Project Name	Est Cost	Location

. <u> </u>	Pro	ject Name	Est Cost	Location
2027	Water Utility Hyd	Irant Program	359,000	Citywide
Explain	the justification	n for selecting projects p	lanned for 2027:	
Improv	ving fire protection	on for homeowners and	commercial property of	owners
Opera	ting Costs			
What are	the estimated a	innual operating costs a	ssociated with the pro	ojects planned within this program?
ersonne	1			
# of	Annual Cost	Description		
FTEs				
lon-Pers	onnel			
Major	Amount	Description		
tes				
es:				
				v1 03/:

		202	22 Capital In	nprovemei	nt Plan		
			Program Bu	dget Propos	al		
dentifying Informa	ation						
gency Water Utility			Proposal Name		Water Mains - New		
roject Number	12507	Project Type		Туре	Program		
roject Category	Utility		Priority	:	6		
022 Project Number	13587						
escription							
udget Information Prior Appropriation* *Based on Fiscal Years 2015-	2020	\$5	,759,275 <b>Prior Yea</b> r	Actual	\$3,829,337		
Idget by Funding Sourc		2022	2023	2024	2025	2026	2027
		30,000	30,000	734,000	108,000	228,000	454,000
evenue Bonds-Water			¢20.000	\$734,000	\$108,000	\$228,000	\$454,000
evenue Bonds-Water	Total	\$30,000	\$30,000				
		\$30,000	\$30,000				
	/pe	\$30,000 2022	\$30,000 2023	2024	2025	2026	2027
dget by Expenditure Type	/pe				<b>2025</b>	<b>2026</b> 228,000	<b>2027</b> 454,000
dget by Expenditure Type	/pe	2022	2023	2024			
Idget by Expenditure Ty Expense Type Vater Network plain any changes from significant change from o	ype Total the 2021 CIP in t ur 2021 CIP.	2022 30,000 \$30,000	<b>2023</b> 30,000 \$30,000	<b>2024</b> 734,000 \$734,000	108,000	228,000	454,000
dget by Expenditure Ty Expense Type /ater Network plain any changes from significant change from o	ype Total the 2021 CIP in t ur 2021 CIP.	2022 30,000 \$30,000	2023 30,000 \$30,000	2024 734,000 \$734,000	108,000	228,000 \$228,000	454,000 \$454,000
Idget by Expenditure Type Expense Type Vater Network plain any changes from significant change from o Fiority & Justificat Citywide Elemen Strategy	Total Total the 2021 CIP in t ur 2021 CIP.	2022 30,000 \$30,000	2023 30,000 \$30,000 ding for this progra	2024 734,000 \$734,000	108,000	228,000 \$228,000	454,000 \$454,000
Water Network aplain any changes from a significant change from o riority & Justificat Citywide Elemen Strategy Describe how th	rpe Total Total the 2021 CIP in t ur 2021 CIP.	2022 30,000 \$30,000 the proposed func- ilient Prote the Citywide Elem	2023 30,000 \$30,000 ding for this progra ect Madison's water s ent:	2024 734,000 \$734,000	108,000	228,000 \$228,000 ean drinking water.	454,000 \$454,000

system zones, and serve new develoments beyond the extent of the existing service area. City-wide. New water main extension projects may include assessable improvements or sonnection fees, so project location related to Environmental lustice Areas is a consideration for balancing project cost vs. project need. Agency Requests

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	Projects are coordinated amongst all City Public Works agencies and local representatives/public improvement needs. The objective is to fairly distributue improvements City-wide and balance improvements to include work within Envrionmental Justice Areas and Neighborhood Development Plans whenever possible, and minimize project cost impacts which may create financial burdens in lower income areas.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	Proposed projects are presented with outreach to all affected citizens, property owners and stakeholders via mailings, public information meetings, public project approval procedures, as well as website updates and social media updates. Public feedback, to the extent possible/practical is incorporated into the project scope whenever possible.
How will we continue to communicate with them in this process?	Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

If so, please identify the respective group and recommendation.

0	Yes	۲	No	

## **Project Schedule & Location**

### 2022 Projects

Project Name	Est Cost	Location
2022 Hydraulic Improvements	\$15,000	Facility Pipeline Improvements
	\$15,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
2022 Hydraulic Improvements		

### Explain the justification for selecting projects planned for 2022:

The proposed 2022 'Water Mains New' projects extend new water mains to improve water system hydraulics, pressures, fire protection, and support ongoing development and water supply/facility improvements. These project occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastucture priorities identified in the Water Utility Master Plan.

#### 2023 Projects

Project Name	Est Cost	Location
	\$15,000	Facility Pipeline Improvements
2023 Hydraulic Improvements		
2023 Hydraulic Improvements	\$15,000	Unallocated System Improvements/MWU Crew Projects (City-wide)

#### Explain the justification for selecting projects planned for 2023:

The proposed 2023 'Water Mains New' projects extend new water mains to improve water system hydraulics, pressures, fire protection, and support ongoing development and water supply/facility improvements. These project occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastucture priorities identified in the Water Utility Master Plan.

2024 Projects

Project name	Est Cost	Location
	\$682,000	Interstate 90/94 - Felland Rd.
Lien Rd Water Main Extension		
2024 Hydraulic Improvements	\$26,000	Facility Pipeline Improvements
	\$26,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
2024 Hydraulic Improvements		

Explain the justification for selecting projects planned for 2024:

The proposed 2024 'Water Mains New' projects extend new water mains to improve water system hydraulics, pressures, fire protection, and support ongoing development and water supply/facility improvements. These project occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastucture priorities identified in the Water Utility Master Plan.

2025 Projects					
Project name	Est Cost	Location			
2025 Hydraulic Improvements	\$54,000	Facility Pipeline Improvements			
2022 Capital Budget		Agency Requests	50		

	PIC	oject name	Est Cost	Location
2025 H	lydraulic Improv	vements	\$54,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
Explain	the justification	n for selecting projects pla	nned for 2025:	
and wa	ter supply/facilit		roject occur in conjun	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developmer ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
2026 Pr	roiects			
		oject name	Est Cost	Location
2026 H	Hydraulic Improv	vements	\$114,000	Facility Pipeline Improvements
2026 H	lydraulic Improv	vements	\$114,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
Explain	the justification	n for selecting projects pla	nned for 2026:	
and wa	ter supply/facilit		roject occur in conjun	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developmer ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
2027 Pr	-	iost Namo	Est Cost	Location
	Proj	ject Name	227,000	Location
2027 H	Hydraulic Improv	vements	227,000	Facility Pipeline Improvements
2027 H	lydraulic Improv		227,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
The pro and wat	the justification oposed 2027 'Wa ter supply/facilit	n for selecting projects pla ater Mains New' projects e	xtend new water main roject occur in conjun	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements
The pro and war consiste perat hat are	the justification poposed 2027 'Wa ter supply/facilit ent with infrastu ting Costs the estimated a	n for selecting projects pla ater Mains New' projects e ty improvements. These p ucture priorities identified i	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements
The pro and war consiste perat hat are rsonnel	the justification poosed 2027 'Wa ter supply/facilit ent with infrastu ting Costs the estimated a	n for selecting projects pla ater Mains New' projects en ty improvements. These p icture priorities identified i annual operating costs asso	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and war consiste perat hat are rsonnel	the justification poposed 2027 'Wa ter supply/facilit ent with infrastu ting Costs the estimated a	n for selecting projects pla ater Mains New' projects e ty improvements. These p ucture priorities identified i	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and war consiste perat hat are rsonnel # of FTEs	the justification poposed 2027 'Wa ter supply/faciliti ent with infrastu ting Costs the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects en ty improvements. These p icture priorities identified i annual operating costs asso	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and wa consiste perat hat are rsonnel # of FTEs	the justification opposed 2027 'Wa ter supply/faciliti ent with infrastu ting COStS the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects e ty improvements. These p icture priorities identified i annual operating costs asso Description	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing development ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and war consiste perat hat are rsonnel # of FTEs	the justification poposed 2027 'Wa ter supply/faciliti ent with infrastu ting Costs the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects en ty improvements. These p icture priorities identified i annual operating costs asso	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and war consiste Derat nat are sonnel # of TEs	the justification opposed 2027 'Wa ter supply/faciliti ent with infrastu ting COStS the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects e ty improvements. These p icture priorities identified i annual operating costs asso Description	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and wa consiste perat hat are rsonnel # of FTEs	the justification opposed 2027 'Wa ter supply/faciliti ent with infrastu ting COStS the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects e ty improvements. These p icture priorities identified i annual operating costs asso Description	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and war consiste perat hat are rsonnel # of FTEs	the justification opposed 2027 'Wa ter supply/faciliti ent with infrastu ting COStS the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects e ty improvements. These p icture priorities identified i annual operating costs asso Description	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing developme ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.
The pro and wa consiste perat hat are rsonnel # of FTEs n-Perso Major	the justification opposed 2027 'Wa ter supply/faciliti ent with infrastu ting COStS the estimated a Annual Cost	n for selecting projects pla ater Mains New' projects e ty improvements. These p icture priorities identified i annual operating costs asso Description	xtend new water mai roject occur in conjun n the Water Utility M	ns to improve water system hydraulics, pressures, fire protection, and support ongoing development ction with associated roadway construction projects or as stand-alone water main improvements aster Plan.

		202	2 Capital Im	nroveme	nt Plan		
		202	Program Bu	•			
			riografii Du	uget riopos	501		
dentifying Inform	ation						
Agency			Proposal Name Project Type		Water Mains Replace R	eł	
roject Number					Program		
roject Category			Priority	:	5		
2022 Project Number	13589						
escription							
Udget Information Prior Appropriation* *Based on Fiscal Years 2015	-2020	\$	730,000 Prior Year	Actual	\$459,077		
udget by Funding Sourc		2022	2023	2024	2025	2026	2027
Revenue Bonds-Water		617,000	900,000	1,036,000	1,172,000	1,458,000	1,458,000
	Total	\$617,000	\$900,000	\$1,036,000	\$1,172,000	\$1,458,000	\$1,458,000
udget by Expenditure T							
Expense Type Nater Network	2	<b>2022</b> 617,000	<b>2023</b> 900,000	2024 1,036,000	<b>2025</b> 1,172,000	<b>2026</b> 1,458,000	2027 1,458,000
	Total	\$617,000	\$900,000	\$1,036,000	\$1,172,000	\$1,458,000	\$1,458,000
plain any changes from		· ·			e 2022 CIP.		
ne first couple of years the	ion						
e first couple of years then riority & Justificat Citywide Eleme		Droto		supply and infrast	ructure to provide safe cl	ean drinking water.	
ne first couple of years the riority & Justificat Citywide Eleme Strategy	nt Green and Res	s the Citywide Eleme	ent:				
riority & Justificat Citywide Eleme Strategy Describe how th	nt Green and Res	s the Citywide Eleme		shed Utility Level-	-of-Service for water main	n infrastructure.	

This program funds the rehabilitation of deteriorated water mains which may not necessitate full open-trench replacement, City-wide. Madison Water Utility utilizes an Asset Management program to identify, compare and prioritize potential water main rehab projects based on probability and consequence of failure. MWU strives to balance rehab main improvements throughout all areas of the City with costs distributed equally amongst the entire Utility customer base. 52

	representatives/public improvement needs. The objective is to fairly distribute improvements City-wide and balance improvements to include work within Envrionmental Justice Areas and Neighborhood Development Plans whenever possible.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	Proposed projects are presented with outreach to all affected citizens, property owners and stakeholders via mailings, public information meetings, public project approval procedures, as well as website updates and social media updates. Public feedback, to the extent possible/practical is incorporated into the project scope whenever possible.
How will we continue to communicate with them in this process?	Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

If so, please identify the respective group and recommendation.

0	Yes	۲	No

# **Project Schedule & Location**

### 2022 Projects

Project Name	Est Cost	Location
ANALL Darrow Consider Contempolities 2	\$100,000	Trailer/Storage Racking and Bypass Piping/Fittings
MWU Bypass Service System-Phase 3		
	\$84,000	Undistributed/City-wide-Locations under development
CIPP Rehabilitation of Water Mains 2022		
	\$433,000	126' E of Merril Springs Rd-143' W of Spring Ct.
Lake Mendota Dr		

#### Explain the justification for selecting projects planned for 2022:

The proposed 2022 'Water Main Rehabilitation' projects include rehabilitating approximately 500-FT of existing deteriorated water mains (specific project locations are currently under development), and funding for temporary water service sytem components and associated storage equipment.

2023 Projects					
Project Name	Est Cost	Location			
CIPP Rehabilitation of Water Mains 2023	\$800,000	Undistributed/City-wide-Locations under development			
MWU Bypass Service System-Phase 4	\$100,000	Trailer/Storage Racking and Bypass Piping/Fittings			

Explain the justification for selecting projects planned for 2023:

The proposed 2023 'Water Main Rehabilitation' projects include rehabilitating approximately 4,535-FT of existing deteriorated water mains (specific project locations are currently under development), and funding for temporary water service sytem components and associated storage equipment.

2024 Projects

Project name	Est Cost	Location
CIPP Rehabilitation of Water Mains 2024	\$1,009,000	Undistributed/City-wide-Locations under development
MWU Bypass Service System-Phase 5	\$27,000	Trailer/Storage Racking and Bypass Piping/Fittings

### Explain the justification for selecting projects planned for 2024:

The proposed 2024 'Water Main Rehabilitation' projects include rehabilitating approximately 5,500-FT of existing deteriorated water mains (specific project locations are currently under development), and funding for temporary water service sytem components and associated storage equipment.

2025 Proiects

Project name Est Cost		Location
CIPP Rehabilitation of Water Mains 2025	\$1,144,000	Undistributed/City-wide-Locations under development
CIFF Reliabilitation of Water Mains 2025		Undistributed/City-wide-Locations under development
MWU Bypass Service System-Phase 6	\$28,000	Trailer/Storage Racking and Bypass Piping/Fittings
NIWO Bypass Service System-Phase 6		Trailer/Storage Racking and bypass Piping/Fittings

# Explain the justification for selecting projects planned for 2025:

The proposed 2025 'Water Main Rehabilitation' projects include rehabilitating approximately 6,000-FT of existing deteriorated water mains (specific project locations are currently under development), and funding for temporary water service sytem components and assoicated storage equipment.

		oject name	Est Cost	Location
CIPP R	ehabilitation of	Water Mains 2026	\$1,428,000	Undistributed/City-wide-Locations under development
MWU	Bypass Service S	System-Phase 7	\$30,000	Trailer/Storage Racking and Bypass Piping/Fittings
Explain	the justification	n for selecting projects pla	nned for 2026:	
The pro	posed 2026 'Wa	ater Main Rehabilitation' p	rojects include rehabili	tating approximately 7,200-FT of existing deteriorated water mains (specific project locations are sytem components and assoicated storage equipment.
2027 Pi	-			
	Pro	ject Name	Est Cost	Location
CIPP R	ehabilitation of	Water Mains 2027	1,428,000	Undistributed/City-wide-Locations under development
MWU	Bypass Service S	System-Phase 8	30,000	Trailer/Storage Racking and Bypass Piping/Fittings
Explain	the iustificatio	n for selecting projects pla	nned for 2027:	
nat are		annual operating costs ass	ociated with the proje	cts planned within this program?
	the estimated a	annual operating costs ass Description	ociated with the proje	cts planned within this program?
nat are rsonnel # of FTEs	the estimated a Annual Cost		ociated with the proje	cts planned within this program?
nat are rsonnel # of FTEs n-Perso	the estimated a Annual Cost	Description	ociated with the proje	cts planned within this program?
nat are rsonnel # of FTEs n-Perso	the estimated a Annual Cost		ociated with the proje	cts planned within this program?
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nat are sonnel # of TEs n-Perso	the estimated a Annual Cost	Description	ociated with the proje	cts planned within this program?
n-Persc n-Persc	the estimated a Annual Cost	Description	ociated with the proje	cts planned within this program?
nat are rsonnel # of	the estimated a Annual Cost	Description	ociated with the proje	cts planned within this program?

Submitted

# 2022 Capital Improvement Plan Program Budget Proposal

## Identifying Information

		- IN	
Agency	Water Utility	Proposal Name	Water Mains Replace Rel
Project Number	11893	Project Type	Program
Project Category	Utility	Priority:	3
2022 Project Number	13590		

### Description

This program is for replacing existing water mains in conjunction with the reconstruction of roads as part of the City's Engineering-Major Streets Reconstruct Streets program. The goal of the program is to update the water infrastructure diminishing the risk of pipe failure. The program aligns with the Water Utility's goal to replace or rehabilitate over 400 miles of aging pipe within the City over a 40-year period to renew and maintain the system. Planned projects in 2021 include: Helena/Russell/Jenifer Streets, Starkweather Drive, Hill Crest Drive/Standish Court/Alden Drive, Davies Street/Major Avenue/Dempsey Road/Maher Avenue, Pontiac Trail/Nokomis Court/Rosewood Circle/Boston Court, and hydraulic improvements.

## **Budget Information**

0		
Prior Appropriation*	\$805,898 Prior Year Actual	\$562,801
*Based on Fiscal Years 2015-2020		

#### **Budget by Funding Source**

Funding Source	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water	311,000	345,000	2,316,000	1,672,000	2,557,000	1,718,000
Total	\$311,000	\$345,000	\$2,316,000	\$1,672,000	\$2,557,000	\$1,718,000

### Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Water Network	311,000	345,000	2,316,000	1,672,000	2,557,000	1,718,000
Total	\$311,000	\$345,000	\$2,316,000	\$1,672,000	\$2,557,000	\$1,718,000

### Explain any changes from the 2021 CIP in the proposed funding for this program.

There has been some change from the 2021 CIP based on the projects that are projected for the future. The dollars have been reallocated between years and distributed among all the water main programs.

# Priority & Justification

Citywide Element	Green and Resilient
Strategy	Protect Madison's water supply and infrastructure to provide safe clean drinking water.
Describe how this p	roject advances the Citywide Element:
This program repair	and/or replaces existing undersized or deteriorated water mains to meet estabished Utility Level-of-Service for water main infrastructure

### **Racial Equity and Social Justice**

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

This program replaces deteriorated, undersized, water mains in conjunction with planned roadway improvements, City-wide. Madison Water Utility utilizes an Asset Management program to establish assess and define Core Risk metrics for all water mains in the system. Existing mains are rated to establish their probability of failure and their consequence of failure. The cost of water main replacements are distributed equally amongst the entire Utility customer base. What City agencies or community partners are affected by, care about, or already working on issues related to this project/program? Projects are coordinated amongst all City Public Works agencies and local representatives/public improvement needs. The objective is to fairly distribute improvements City-wide and balance improvements to include work within Environmental Justice Areas and Neighborhood Development Plans whenever possible. Have we asked for their perspectives directly and, if so, how have we Proposed projects are presented with outreach to all affected citizens, property owners and incorporated their feedback? stakeholders via mailings, public information meetings, public project approval procedures, as well as website updates and social media updates. Public feedback, to the extent possible/practical is incorporated into the project scope whenever possible. How will we continue to communicate with them in this process? Public information meetings, project information mailings, website with updates and project contact information, MWU social media such as Facebook and Twitter, etc. Have we used any data related to the project/program that details Yes  $\bigcirc$ race, non-binary and transgender people, people with disabilities, No  $\bigcirc$ those experiencing homelessness, or undocumented status? Some, not all Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

0	Yes	۲	No	

# **Project Schedule & Location**

2022	Proj	ects	

Project Name	Est Cost	Location		
Lafollette Ave/Ohio Ave/Talmadge St/St.Paul Ave/Jackson St	\$15,000	Ohio Ave - Waubesa St; C & NW RR - Atwood Ave; C & NW RR - St Paul Ave; S End - Ohio Ave; St		
Cedar St	\$15,000	Gilson St-S Park St		
Russell St	\$222,000	Winnebago St-Eastwood Dr		
Davies St, Dempsey Rd, Maher Ave	\$20,000	Buckeye Rd-Maher Ave; 150' N of Davidson St-Maher Ave; Lake Edge Blvd-Dempsey Rd		
Lake Mendota Dr	\$15,000	1126' E of Merril Springs Rd-143' W of Spring Ct		
2022 Hydraulic Improvements	\$24,000	Unallocated System Improvements/MWU Crew Projects (City-wide)		

Explain the justification for selecting projects planned for 2022:

The proposed 2022 'Water Mains Replace/Rehab/Improve-Resonstruct streets' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction with assoicated roadway construction projects, improve system hydraulics.

Project Name	Est Cost	Location		
Sommers Ave/Center Ave/Willard Ave/Hudson Ave/Miller Ave	\$15,000	Hudson Ave-Miller Ave; Ohio Ave-Elmside Blvd; Atwood Ave-Oakridge Ave; Atwood Ave-Willard		
Rutledge St	\$15,000	Riverside Dr-Division St		
Richard St/Silver Rd	\$15,000	Schenk St-Silver Rd; N End-Hynek Rd		
Maher Ave, Major Ave, Drexel Ave, Monona Ct	\$194,000	Cottage Grove Rd - Lake Edge Blvd; Lake Edge Blvd - Davies St; Lake Edge Blvd - Davies St; Major		
Lowell St	\$15,000	South Shore Dr-W Lakeside St		
Doncaster Dr/Belverly Rd/Danbury St	\$15,000	Danbury St-Seminole Hwy; Whenona Dr-Seminole Hwy; Mohawk Dr-Doncaster Dr		

2022 Capital Budget

	Project Name	Est Cost	Location
	Treaters /Feather Fries	\$51,000	Feather Edge Rd-Meadow Dr
Treetops/Feather Edge			
		\$25,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
	2023 Hydraulic Improvements		

### Explain the justification for selecting projects planned for 2023:

The proposed 2023 'Water Mains Replace/Rehab/Improve-Resonstruct streets' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction with associated roadway construction projects, improve system hydraulics.

### 2024 Projects

Project name	Est Cost	Location
Evergreen Ave/Center Ave/Willard Ave/Ohio Ave	\$105,000	Center Ave-Oakridge Ave; Dunning St-Hudson Ave; Evergreen Ave-Ohio Ave; Center Ave-Willard
Farwell St/South Ct/North Ct	\$105,000	Milwaukee St-C & NW RR; Farwell St-Corry St; Center Ave-Willard Ave
Dawes St/Lansing St/Leon St/Richard St	\$105,000	Starkweather Dr-Leon St; Dawes St-Richard St; Dawes St-Starkweather Dr; Starkweather
Valley View Rd	\$1,117,000	South Point Rd-Boyer
Maher Ave/Douglas Tr \$105,000		Tompkins Dr-Pflaum Rd; Joylynne Dr-Camden Rd
Maher Ave	\$105,000	Buckeye Rd-Davies St
Felland Rd	\$613,000	Along developments in the vicinity of CTH T
Gary St \$35,000		Dempsey Rd-Elinor St
024 Hydraulic Improvements \$26,000		Unallocated System Improvements/MWU Crew Projects (City-wide)

## Explain the justification for selecting projects planned for 2024:

The proposed 2024 'Water Mains Replace/Rehab/Improve-Resonstruct streets' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction with assoicated roadway construction projects, improve system hydraulics.

Project name	Est Cost	Location
Birge Ter	\$54,000	University Ave-Birge Ter
Evergreen Ave/Ohio Ave/Sommers Ave	\$54,000	Atwood Ave-Center Ave; Dunning St-Hudson Ave
Sherman Ave/McGuire St	\$54,000	McGurie St N Sherman Ave; Sherman Ave-Fordem Ave
Hermina St/Union St	\$54,000	N Marquette St-Clyde Gallagher Ave
Shawnee Pass	\$54,000	Nakoma Rd-Cherokee Dr
Dawes St/Lansing St/Leon St	\$54,000	Leon St-Walter St; Milwaukee St-Dawes St
Valley View Rd	\$1,161,000	Pioneer Rd-South Point Rd
Crestview Dr/Groveland Ter/Dixie Ln/Herro Ln	\$54,000	Groveland Ter-Herro Ln; Tompkins Dr-Herro Ln; Crestview Dr; Tompkins Dr-Crestview Dr
2025 Hydraulic Improvements	\$133,000	Unallocated System Improvements/MWU Crew Projects (City-wide)
xplain the justification for selecting projects planne	ed for 2025:	
he proposed 2025 'Water Mains Replace/Rehab/Im ydrant improvements in conjunction with assoicate		treets' projects replace existing failed and/or undersized water mains, provide minor valve and tion projects, improve system hydraulics.
026 Projects		
Project name	Est Cost	Location

Project name	Est Cost	Location
Jefferson St/Oakland Ave/Grant St	\$189,000	Oakland Ave-Grant St; Madison St-Adams St; Madison St-Jefferson St
Elmside Blvd, Sommers Ave, Center Ave	\$33,000	Atwood Ave-Oakridge Ave; Miller Ave-Elmside Blvd; Miller Ave-Elmside Blve
Reiner Rd	\$1,605,000	Reiner Rd along Woods Farm Subdivision
Lake View Ave/Hanover St/West Ln/East Ln	\$189,000	West End-Sherman Ave; Lake View Ave-Drewry Ln; Lake View Ave-North End
Norman Way, Wood Cir	\$33,000	University Ave-Lake Mendota Dr; Norman Way-North End
MacArthur Rd/Larson Ct/Sycamore Ave/MacArthur Ct	\$189,000	E Wash Ave-South End; MacArthur Rd-West End; MacArthur Rd-500' East; MacArthur North End
Rideway Ave/Graceland Ave/Rowland Ave/Schmedeman Ave/Reindahl Ave	\$189,000	Reindahl Ave-Rowland Ave; Graceland Ave-E Wash Ave
2026 Hydraulic Improvements	\$130,000	Unallocated System Improvements/MWU Crew Projects (City-wide)

Explain the justification for selecting projects planned for 2026:

The proposed 2026 'Water Mains Replace/Rehab/Improve-Resonstruct streets' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction with assoicated roadway construction projects, improve system hydraulics.

#### 2027 Projects Project Name Est Cost Location 189,000 Yahara Pl/Walton Pl/Russell St Walton PI-Dunning St; Rutledge St-Yahara PL; Rutledge St-Yahara PI 174,000 W Olin Ave-Pine St Hickory St 174,000 Merrill Springs Rd Flambeau Rd-Lake Mendota Dr 349,000 Lake Mendota Dr Norman Way-Baker Ave; 143' W of Spring Ct-Norman Way 454,000 Old Sauk Rd Pleasant View Rd-Schewe Rd 378,000 2027 Hydraulic Improvements Unallocated System Improvements/MWU Crew Projects (City-wide)

Explain the justification for selecting projects planned for 2027:

The proposed 2027 'Water Mains Replace/Rehab/Improve-Resonstruct streets' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction with associated roadway construction projects, improve system hydraulics.

# **Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

Personne	I	
# of FTEs	Annual Cost	Description
Non-Pers	onnel	
Major	Amount	Description

# Notes

Notes:

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		201	22 Capital Im	nrovemen	t Plan		Subr
		202	•	dget Propos			
			FIOgrafii Du	uget Flopos			
Identifying Informa	ation						
Agency	Water Utility		Proposa	l Name	Water Mains Replace Re	ł	
Project Number	11894		Project	Туре	Program		
Project Category	Utility		Priority	:	4		
2022 Project Number	13588						
Description							
goal of the program is to up miles of aging pipe within th Washington Avenue, Kronck Budget Informatior	ne City over a 40-ye e Drive/Lanett Circ	ear period to renew a	and maintain the syst th Brooks Street/Fah	em. Planned proje renbrook Court/Co	cts in 2021 include: Old N	/iddleton Road/C	
Prior Appropriation* *Based on Fiscal Years 2015-	2020		\$120,000 Prior Year	Actual	\$111,399		
Budget by Funding Sourc	e						
Funding Source	е	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water		2,042,000	481,000	402,000	1,377,000	656,000	1,359,000
	Total	\$2,042,000	\$481,000	\$402,000	\$1,377,000	\$656,000	\$1,359,000
udget by Expenditure Ty	/pe						
Expense Type	?	2022	2023	2024	2025	2026	2027
Water Network		2,042,000	481,000	402,000	1,377,000	656,000	1,359,000
	Total	\$2,042,000	\$481,000	\$402,000	\$1,377,000	\$656,000	\$1,359,000
<b>xplain any changes from</b> here has been some change II the water main programs.		• •			e dollars have been realle	ocated between y	ears and distributed am
Priority & Justificat							
Citywide Eleme Strategy	nt Green and Re		act Madison's water s	upply and infrastr	ucture to provide safe cle	an drinking water	
	is project advance	s the Citywide Elem		upply and initastri			
This program re	pairs and/or replac	es existing undersize	d or deteriorated wa	ter mains to meet	established Utility Level-o	of-Service for wate	er main infrastructure.

Projects are coordinated amongst all City Public Works agencies and local representatives/public improvement needs. The objective is to fairly distributue improvements City-wide and balance improvements to include work within Envrionmental Justice Areas and Neighborhood Development Plans whenever possible.

	cies or community partners are affected by, care about, ing on issues related to this project/program?	Project represe improv	s are coordinated amongst all City Public Works agencies and local ntatives/public improvement needs. The objective is to fairly distributue ements City-wide and balance improvements to include work within imental Justice Areas and Neighborhood Development Plans whenever e.
Have we asked incorporated th	for their perspectives directly and, if so, how have we eir feedback?	stakehol website	d projects are presented with outreach to all affected citizens, property owners and ders via mailings, public information meetings, public project approval procedures, as well as updates and social media updates. Public feedback, to the extent possible/practical is ated into the project scope whenever possible.
How will we co	ntinue to communicate with them in this process?		nformation meetings, project information mailings, website with updates and contact information, MWU social media such as Facebook and Twitter, etc.
Have we used a	ny data related to the project/program that details	0	Yes
	y and transgender people, people with disabilities,	$\bigcirc$	No
those experience	ing homelessness, or undocumented status?	$\bigcirc$	Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

0	Yes	۲	No	

# Project Schedule & Location

2022 Projects

Project Name	Est Cost	Location
Commerical Ave	\$15,000	200 FT East of Superior St - Packers Ave Service Rd
	\$1,403,000	Reetz Rd - Brookwood Rd
Hammersley Rd		
	\$15,000	Old Middleton Rd EB Ramp-Capital Ave; University Ave-S End
Old Middleton/Craig		
Mineral Deint (Course / Kentine / Courses	\$15,000	Glenway St-S Owen Dr
Mineral Point/S Owen/Keating/Caromar		
	\$112,000	S Whitney Way-N End; Kroncke Dr-N End; Mayhill Dr-Meadowood Dr
Kroncke Dr/Lanett Cir/Tanager Trl		
Teles Divis	\$15,000	S Segoe Rd-S Whitney Way
Tokay Blvd		
	\$265,000	S Whitney Way-Odana Rd
Medical Cir		
	\$15,000	John Nolen Dr-Olin Turville Ct, S of E Lakeside St-John Nolen Dr
E Lakeside St/Olin Turville Ct		
	\$187,000	Unallocated System Improvements/MWU Crew Project (City-wide)
2022 Hydraulic Improvements-Replace Water Mains		

Explain the justification for selecting projects planned for 2022:

The 2022 'Water Mains Replace/Rehab/Improve - Pavement Management' projects replace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjuction with associated roadway construction projects, improve system hydraulics. Additional 2022 hydraulic improvement projects remain under development.

2023 Projects		
Project Name	Est Cost	Location
N Franklin Ave	\$38,000	Regent St-University Ave
Starker Ave	\$31,000	Woodvale Dr-Droster Rd
N Segoe/Sheboygan	\$249,000	Regent St-University Ave; Segoe Rd-N Whitney Way
Gilbert Rd	\$31,000	Raymond Rd-Kroncke Dr
2022 Capital Budget		Agency Requests 61

Project Name	Est Cost	Location
Silverton Trl	\$14,000	Muir Field Rd-McKee Rd
Silverton in		
Price Pl/Vernon Blvd	\$20,000	Regent St-N End; N Midvale Blvd-N Segoe Rd
Buffalo Trl/Barron Ct/Green Lake Pass	\$14,000	Eau Claire Ave-Green Lake Pass
2023 Hydraulic Improvements-Replace Water Mains	\$84,000	Unallocated System Improvements/MWU Crew Project (City-wide)
Explain the justification for selecting projects planned	for 2023:	
hydrant improvements in conjuction with associated rounder development.		nt' projects replace existing failed and/or undersized water mains, provide minor valve and ion projects, improve system hydraulics. Additional 2023 hydraulic improvement projects remain
2024 Projects Project name	Est Cost	Location
2024 Hydraulic Improvements-Replace Water Mains	\$402,000	Unallocated System Improvements/MWU Crew Project (City-wide)
	ment Manageme	nt' projects replace existing failed and/or undersized water mains, provide minor valve and ion projects, improve system hydraulics. Additional 2024 hydraulic improvement projects remain
2025 Projects		
Project name	Est Cost	Location
2025 Hydraulic Improvements-Replace Water Mains	\$1,377,000	Unallocated System Improvements/MWU Crew Project (City-wide)
Explain the justification for selecting projects planned	for 2025:	
under development. 2026 Projects Project name	Est Cost	Location
2026 Hydraulic Improvements-Replace Water Mains	\$656,000	Unallocated System Improvements/MWU Crew Project (City-wide)
Explain the justification for selecting projects planned	for 2026:	
	-	nt' projects replace existing failed and/or undersized water mains, provide minor valve and ion projects, improve system hydraulics. Additional 2026 hydraulic improvement projects remain
2027 Projects		
Project Name	Est Cost	Location
2027 Hydraulic Improvements-Replace Water Mains	1,359,000	Unallocated System Improvements/MWU Crew Project (City-wide)
Explain the justification for selecting projects planned	for 2027:	
The 2027 'Water Mains Replace/Rehab/Improve - Pave	ment Manageme	nt' projects replace existing failed and/or undersized water mains, provide minor valve and ion projects, improve system hydraulics. Additional 2027 hydraulic improvement projects remain
perating Costs		
hat are the estimated annual operating costs associate		
	ed with the proje	cts planned within this program?
ronnel	ed with the proje	cts planned within this program?
rsonnel # of Annual Cost Description	ed with the proje	cts planned within this program?
rsonnel # of Annual Cost Description FTEs	ed with the proje	cts planned within this program?
# of FTEs     Annual Cost     Description	ed with the proje	cts planned within this program?
# of Annual Cost Description	ed with the proje	cts planned within this program?

	Major	Amount	Description	
N	+			
INC	tes			
Not	es:			
			v1 03/15/.	2021

Submitted

2022 Capital Improvement Plan
Program Budget Proposal

# Identifying Information

Agency	Water Utility	Proposal Name	Water Meter and Fixed N
Project Number	12340	Project Type	Program
Project Category	Utility	Priority:	13
2022 Project Number	13592		

#### Description

This program is for the water meter and fixed network advanced metering infrastructure (AMI) improvements. The program identifies projects via the State Public Service Commission (PSC) requirement for a prescribed schedule of meter replacement and testing. The goal of the program is to maximize the accuracy of the municipal services statements issued to customers. Progress will be measured by comparing the meter maintenance against the respective prescribed schedules as well as monitoring the total non-revenue water volume.

## **Budget Information**

Prior Appropriation*	\$1,163,400 Prior Year Actual	\$953,992
*Based on Fiscal Years 2015-2020		

#### **Budget by Funding Source**

Funding Source	2022	2023	2024	2025	2026	2027
Reserves Applied - Water	513,000	526,000	539,000	552,000	566,000	580,000
Total	\$513,000	\$526,000	\$539,000	\$552,000	\$566,000	\$580,000

### Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Machinery and Equipment	513,000	526,000	539,000	552,000	566,000	580,000
Total	\$513,000	\$526,000	\$539,000	\$552,000	\$566,000	\$580,000

### Explain any changes from the 2021 CIP in the proposed funding for this program.

No significant changes from the 2021 CIP.

## Priority & Justification

Strategy

Citywide Element	Green and Resilient

Protect Madison's water supply and infrastructure to provide safe clean drinking water.

Describe how this project advances the Citywide Element:

The Meter and Fixed Network Program allows for responsible stewardship of our local water resource by facilitating conservation of water pumped, consumed and lost. Acquiring real time and accurate water consumption data ensures accurate municipal services statements are issued to all customers and allows customers to monitor consumption practices to make educated decisions on their water use habits.

# **Racial Equity and Social Justice**

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

MWU formalized its Asset Management Program with the development of a Strategic Asset Management Plan (SAMP) in 2018. SAMP principles help guide MWU to consistently meet our established level of service goals at sustainable and responsible asset lifecycle costs and acceptable levels of risk. The plan is structured to incorporate racial equity as one component in a project's triple bottom line score. All water utility customers benefit from the transparent, data-driven process to plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

	The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities,	<ul><li>Yes</li><li>No</li></ul>
those experiencing homelessness, or undocumented status?	Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

0	Yes	۲	No

# **Project Schedule & Location**

#### 2022 Projects

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Project Name	Est Cost	Location
5/8", 3/4" & 1" Meter Purchase/Set/Change	\$307,000	Meters to be installed citywide
578, 574 & I Meter Fulchase/Set/Change		
1.5" & 2" Meter Purchase/Set/Change	\$154,000	Meters to be installed citywide
1.5 & Z Weter Purchase/Set/Change		
2" and Leven Mater Durchass (Cat /Charge	\$52,000	Meters to be installed citywide
3" and Larger Meter Purchase/Set/Change		

#### Explain the justification for selecting projects planned for 2022:

PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.

Project Name	Est Cost	Location
5/8", 3/4" & 1" Meter Purchase/Set/Change	\$316,000	Meters to be installed citywide
5/6, 5/4 & I Weter Fulchase/set/Change		
1.5" & 2" Meter Purchase/Set/Change	\$158,000	Meters to be installed citywide
1.5 & 2 Meter Purchase/set/Change		
2" and Laurer Matter Durchass /Cat/Change	\$52,000	Meters to be installed citywide
3" and Larger Meter Purchase/Set/Change		

Explain the justification for selecting projects planned for 2023:

PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.

Project name	Est Cost	Location
	\$323,000	Meters to be installed citywide
5/8", 3/4" & 1" Meter Purchase/Set/Change		
	\$162,000	Meters to be installed citywide
1.5" & 2" Meter Purchase/Set/Change		
	\$54,000	Meters to be installed citywide
3" and Larger Meter Purchase/Set/Change		

#### Explain the justification for selecting projects planned for 2024:

PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.

Amount Description	gift 3 4* K 1* Meter Purchase/Set/Change       Meters to be installed citywide         1.5* A 2* Meter Purchase/Set/Change       S166,000         3* and Larger Meter Purchase/Set/Change       S53000         between to be installed citywide       S166,000         3* and Larger Meter Purchase/Set/Change       S166,000         bit putties to to econstruct the S20 set of		Pro	oject name	Est Cost	Location
13* 8*** Meter Purchase/Set/Change       Meters to be installed citywide         3** and Larger Meter Purchase/Set/Change       555.000         4************************************	13< 8.2* Meter Nuchass/Set/Change	5/8",	3/4" & 1" Meter	Purchase/Set/Change	\$331,000	Meters to be installed citywide
3 <sup>n</sup> and larger Meter Purchase/Set/Change     Meters to be installed citywide       Displant be justification for selecting projects planned for 2025:       Project name     E1 Cost       Set 2 <sup>n</sup> After Purchase/Set/Change     S540,000       Afters to be installed citywide     S120,000       1 <sup>n</sup> All arger Meter Purchase/Set/Change     S560,000       After Site Purchase/Set/Change     S120,000       After Site Purchase/Set/Change     After Site Die Installed Citywide       Site Site Purchase/Set/Change     S1000       After Site Purchase/Set/Change     After Site Die Installed Citywide       Site Site Purchase/Set/Change     S1000       After Site	3 <sup>1</sup> and Larger Meter Purchase/Set/Change       Meters to be installed citywide         Statistication for selecting projects planned for 2026:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting project planned for 2020:         Statistication for selecting projects planned for 2020:       Statistication for selecting projects planned for 2020:         Statistication for selecting projects planned for 2020:       Statistatistication for selecting projects planned	1.5" 8	& 2" Meter Purcha	ase/Set/Change	\$166,000	Meters to be installed citywide
PSC Chapter 135.32 requires water utilities to neter and bill all customers. PSC Chapter 135.73 requires water utilities to text and change out all meters on a 20 year         PSC Chapter 135.32 requires water utilities to meter and bill all customers. PSC Chapter 135.73 requires water utilities to text and change out all meters on a 20 year         St/P. JAP' & 1' Meter Purchase/Set/Change       \$340,000         at larger Meter Purchase/Set/Change       \$510,000         texters to be installed citywide       at larger Meter Purchase/Set/Change         St/P JAP' & 1' Meter Purchase/Set/Change       \$560,000         texters to be installed citywide       at larger Meter Purchase/Set/Change         St/P St/P St/P St/P St/P St/P St/P St/P	SC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkers are required to be accurate within PSC stated limits.  See Project   Project Nome Eff Cost   Accuration S540,000   Year 2 Meter Purchase/Set/Change S170,000   Year 36 Control S550,000   Year 37 Project S560,000   Year 30 Network within PSC stated limits.   Year 30 Network with	3" and	d Larger Meter Pu	urchase/Set/Change	\$55,000	Meters to be installed citywide
schedule. Metters are required to be accurate within PSC stated limits.          DBS function       Fordect norm       Ext Cost       Location         1.5" & 2" Metter Purchase/Set/Change       S360,000       Meters to be installed citywide         1.5" & 2" Metter Purchase/Set/Change       S360,000       Meters to be installed citywide         3" and larger Meter Purchase/Set/Change       S360,000       Meters to be installed citywide         Stplain the justification for selecting projects planned for 2020:       Meters are required to be accurate within PSC stated limits.         PC Chapter 182 / Project       S60,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S60,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S60,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S80,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S80,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S80,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S80,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       Meters to be installed citywide       S80,000         1.5" & 2" Meter Purchase/Set/Change       Meters to be installed citywide       S80,000	State Project name       Eff Cett       Lection         State Project name       Eff Cett       Lection         State Project name       State Off       Netters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       State Off       Netters to be installed citywide         3" and Larger Meter Purchase/Set/Change       State Off       Neters to be installed citywide         State Project Name       Eff Cett       Lection         Project Name       Eff Cett       Lection         State Purchase/Set/Change       State Off       Neters to be installed citywide         State Purchase/Set/Change       Eff Cett       Lection         Project Name       Eff Cett       Lection         State Purchase/Set/Change       140,000       Neters to be installed citywide         15" & 2" Meter Purchase/Set/Change       174,000       Neters to be installed citywide         3" and Larger Meter Purchase/Set/Change       180,000       Neters to be installed citywide         State 1       15" & 2" Arequires water utilities to neter and bill all customers.       PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 yeer         State 1       15" & 4" Meter Purchase/Set/Change       140,000       Neters to be installed citywide         State 1       15" & 6 Chapter 185.73 requires water utilit	Explair	n the justificatior	for selecting projects planne	ed for 2025:	
Project name         Ed Cast         Location           5/8", 3/4" & 1" Meter Purchase/Set/Change         5340,000         Meters to be installed citywide           1.5" & 2" Meter Purchase/Set/Change         5370,000         Meters to be installed citywide           3" and Larger Meter Purchase/Set/Change         556,000         Meters to be installed citywide           3" and Larger Meter Purchase/Set/Change         556,000         Meters to be installed citywide           Statistic the justification for selecting projects planned for 2026:         PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year           PSC Chapter 185.32 requires water utilities to meter and bill all customers.         PSC Chapter 185.73 requires water utilities to rest and change out all meters on a 20 year           State Purchase/Set/Change         174,000         Meters to be installed citywide           1.5" & 2" Meter Purchase/Set/Change         174,000         Meters to be installed citywide           3" and Larger Meter Purchase/Set/Change         174,000         Meters to be installed citywide           State Purchase/Set/Change         174,000         Meters to be installed citywide           State Purchase/Set/Change         174,000         Meters to be installed citywide           State The setimated annual operating costs associated with the projects planned within this program?         Stater to be accorate within PSC stated limits.	Image: name     Ext Cost     Lecation       5/8", 3/4" 8.1" Meter Purchase/Set/Change     5340,000     Meters to be installed citywide       3" and Larger Meter Purchase/Set/Change     5170,000     Meters to be installed citywide       3" and Larger Meter Purchase/Set/Change     556,000     Meters to be installed citywide       Stoppier 185, 32 requires water utilities to meter and bill all cutomers. PSC Chapter 185, 73 requires water utilities to test and change out all meters on a 20 year citchedule. Meters are required to be accurate within PSC stated limits.       15" & 2" Meter Purchase/Set/Change     140,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     140,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     140,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     154,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     164,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     164,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     164,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     174,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     185,000     Meters to be installed citywide       15" & 2" Meter Purchase/Set/Change     194,000     Meters to be installed citywide <td></td> <td></td> <td></td> <td></td> <td>rs. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year</td>					rs. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year
5/6", 3/4" & 1" Meter Purchase/Set/Change       5340,000       Meters to be installed citywide         15" & 2" Meter Purchase/Set/Change       5370,000       Meters to be installed citywide         3" and larger Meter Purchase/Set/Change       536,000       Meters to be installed citywide         Special the justification for selecting projects planned for 2026:       Special citywide       Special citywide         Special the justification for selecting projects planned for 2026:       Special citywide       Special citywide         Special the justification for selecting projects planned for 2026:       Special citywide       Special citywide         Special the justification for selecting projects planned for 2026:       Special citywide       Special citywide         Special citywide       174,000       Meters to be installed citywide       Special citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide       Special citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide       Special citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide       Special citywide         Special citywide       174,000       Meters to be installed citywide       Special citywide       Special citywide         Special citywide       174,000       Meters to be in	5/4", 3/4" & 1" Meter Purchase/Set/Change       5340,000         15 & 2 " Meter Purchase/Set/Change       5170,000         Meters to be installed citywide       556,000         3" and Larger Meter Purchase/Set/Change       556,000         Set Status       S56,000         Meters to be installed citywide       556,000         Sockapter 185,32 requires water utilities to meter and bill all customers.       FSC Chapter 185,73 requires water utilities to test and change out all meters on a 20 year         Meters To be installed citywide       56,000         Meters To be installed citywide       57,000         Meters Purchase/Set/Change       174,000         Meters Purchase/Set/Change       174,000         Meters Purchase/Set/Change       174,000         Meters To be installed citywide       58,000         Meters Purchase/Set/Change       174,000         Meters Purchase/Set/Change       174,000         Meters Purchase/Set/Change       196,000         Meters To be installed citywide       532 requires water utilities to test and change out all meters on a 20 year         SetChapter 153,23 requires water utilities to test and change out all meters on a 20 year       56,000         SetChapter 165,73 requires water utilities to test and change out all meters on a 20 year       56,000         SetSout       Description       <	2026 P	Projects			
Spir. 3/4" & 1" Meter Purchase/Set/Change       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       \$170,000         Meters to be installed citywide       \$56,000         Spir. 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         2027 Project       Image: Meter Purchase/Set/Change         1.5" & 2" Meter Purchase/Set/Change       Stat.Cost         Stat.Socol       Meters to be installed citywide         Stat.Socol       Meters are required to be accurate within PSC stated limits.         Stat.Socol       Meters are required to be accurate within PSC stated limits. <td>Syle", 3/4" &amp; 1" Meter Purchase/Set/Change       ST0000       Meters to be installed citywide         1.5" &amp; 2" Meter Purchase/Set/Change       S56,000       Meters to be installed citywide         a" and Larger Meter Purchase/Set/Change       S56,000       Meters to be installed citywide         Statistic He justification for selecting projects planned for 2026:       Project Name       Excertion         Project Name       Ext Cost       Locarition       Excertion         S/8", 3/4" &amp; 1" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         1.5" &amp; 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         1.5" &amp; 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         Statist the justification for selecting projects planned for 2027:       Statist be justification for selecting projects planned for 2027:         Sec Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checked.         Meters are required to be accurate within PSC stated limi</td> <td></td> <td>Pro</td> <td>oject name</td> <td></td> <td>Location</td>	Syle", 3/4" & 1" Meter Purchase/Set/Change       ST0000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       S56,000       Meters to be installed citywide         a" and Larger Meter Purchase/Set/Change       S56,000       Meters to be installed citywide         Statistic He justification for selecting projects planned for 2026:       Project Name       Excertion         Project Name       Ext Cost       Locarition       Excertion         S/8", 3/4" & 1" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         Statist the justification for selecting projects planned for 2027:       Statist be justification for selecting projects planned for 2027:         Sec Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checked.         Meters are required to be accurate within PSC stated limi		Pro	oject name		Location
1.5" & 2" Meter Purchase/Set/Change       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       556,000         Explain the justification for selecting projects planned for 2025:       Explain the justification for selecting projects planned for 2025:         PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         B27 Project       Project Name       Est Cost         1.5" & 2" Meter Purchase/Set/Change       Interest to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       186,000       Meters to be installed citywide         States are required to te accurate within PSC stated limits.       States are required to be accurate within PSC stated limits.         Project Name       58,000       Meters to be installed citywide         State Purchase/Set/Change       Neters to be installed citywide         State Heistification for selecting projects planned for 2027:       State Purchase/Set/Change         Project Name       <	1.5 " & 2" Meter Purchase/Set/Change       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       556,000         Septial the justification for selecting projects planned for 2026:       Sec Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkedule. Meters are required to be accurate within PSC stated limits.         M227 Projects       Froject Name       Est Cost       Location         5/8", 3/4" & 1" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         Septial the justification for selecting projects planned for 2027:       Sec Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkelue. Meters are required to be accurate within PSC stated limits.         Sectarting Costs       Sectarting Costs associated with the projects planned within this program?         senter       Secreption       Secreption         ff       annual Cost       Description         ff       Annual Cost       Description	5/8",	3/4" & 1" Meter	Purchase/Set/Change	\$340,000	Meters to be installed citywide
3" and Larger Meter Purchase/Set/Change       Meters to be installed citywide         Explain the justification for selecting projects planned for 2026:         PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year         2027 Project       Project Nome         5/8", 3/4" & 1" Meter Purchase/Set/Change       124,000         1.5" & 2" Meter Purchase/Set/Change       174,000         9" and Larger Meter Purchase/Set/Change       188,000         9" and Larger Meter Purchase/Set/Change       188,000         9" and Larger Meter Purchase/Set/Change       188,000         Peters to be installed citywide       190         Statiant bill buttification for selecting projects planned for 2022:       190         Psc Apper 185.32 requires water utilities to test and change out all meters on a 20 year         schedule.       Meters to be installed citywide         sonnel       100         sonnel       100         stree f	3* and Larger Meter Purchase/Set/Change       Meters to be installed citywide         Splain the justification for selecting projects planned for 2026:       Second projects are required to be accurate within PSC stated limits.         MD27 Projects       Froject Name       Est Cost         Is 2* A 1** Meter Purchase/Set/Change       124,000         Meters to be installed citywide       3* and Larger Meter Purchase/Set/Change         1.3* & 2* Meter Purchase/Set/Change       124,000         Meters to be installed citywide       3* and Larger Meter Purchase/Set/Change         3* and Larger Meter Purchase/Set/Change       124,000         4* and Larger Meter Purchase/Set/Change       144,000         5* Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year         chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year         chap	1.5" 8	& 2" Meter Purcha	ase/Set/Change	\$170,000	Meters to be installed citywide
PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.  P27 Projects  Particle Purchase/Set/Change Project Name Particle Purchase/Set/Change Particle	CC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year shedule. Meters are required to be accurate within PSC stated limits.   CPT Project  Project Name Est Cost Factors Fac	3" and	d Larger Meter Pu	urchase/Set/Change	\$56,000	Meters to be installed citywide
backedule. Meters are required to be accurate within PSC stated limits.         2027 Projects <ul> <li></li></ul>	bit	Explair	n the justificatior	for selecting projects planne	ed for 2026:	
Project Nome       Est Cost       Location         5/8*, 3/4* & 1" Meter Purchase/Set/Change       348,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         Stplain the justification for selecting projects planned for 2027:       ScC Chapter 185.73 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         Decrating Costs       State of limits.         sonnel	Project Name       Est Cost       Location         5/8", 3/4" & 1" Meter Purchase/Set/Change       348,000       Meters to be installed citywide         1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         System Tubes/Set/Change       Set/Set/Set/Set/Set/Set/Set/Set/Set/Set/					s. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year
5/8", 3/4" & 1" Meter Purchase/Set/Change       348,000       Meters to be installed citywide         1.5" & 2." Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         Style="tailog: citypt: system: citype: system: citypt: system: citypt: system: citypt: system: cit	5/8", 3/4" & 1" Meter Purchase/Set/Change       348,000       Meters to be installed citywide         1.5" & 2." Meter Purchase/Set/Change       174,000       Meters to be installed citywide         2" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         2" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         2" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         Septian the justification for selecting projects planned for 2027:       Sectorate within PSC Stated limits.         Sec Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkedule.         Secreting Costs       Secreting costs associated with the projects planned within this program?         sonnel       #of         #of       Amound Cost         Description       Secription         Secription       Secription         Secription       Secription	2027 P		iect Name	Est Cost	ocation
1.5" & 2" Meter Purchase/Set/Change       174,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         Explain the justification for selecting projects planned for 2027:       PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         PSC Chapter 185.32 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         Operating Costs         mat are the estimated annual operating costs associated with the projects planned within this program?         sonnel         trigg       Annual Cost         Description         Tres         annual Cost       Description	1.5" & 2" Meter Purchase/Set/Change       174,000         Attraction for selecting projects planned for 2027:       Meters to be installed citywide         Sexplain the justification for selecting projects planned for 2027:       PSC Chapter 185.73 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkulue. Meters are required to be accurate within PSC stated limits.         Decrating Costs       Sonnel         #or f       Annual Cost         Description       Image: Cost for the cost planned for the cost planned within this program?         In-Personnel       Image: Cost for the cost planned for the cost planned within this program?				348,000	
1.5" & 2" Meter Purchase/Set/Change       58,000         3" and Larger Meter Purchase/Set/Change       58,000         2" and Larger Meter Purchase/Set/Change       58,000         Explain the justification for selecting projects planned for 2027:       PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.         Decrating Costs       Sonnel         # of       Annual Cost       Description         TFEs       Annual Cost       Description         In Personnel       In Personnel       In Personnel         taip       In Description       In Personnel         25       Interse to the set installed citywide       Interse to the set installed citywide	1.5" & 2" Meter Purchase/Set/Change       58,000       Meters to be installed citywide         3" and Larger Meter Purchase/Set/Change       58,000       Meters to be installed citywide         Sexplain the justification for selecting projects planned for 2027:       PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkedule. Meters are required to be accurate within PSC stated limits.         Depending Costs       Sasonel         at are the estimated annual operating costs associated with the projects planned within this program?         sonnel         Verif       Annual Cost         Personnel         trigor       Amount         Description	5/8",	3/4" & 1" Meter	Purchase/Set/Change		Veters to be installed citywide
3" and Larger Meter Purchase/Set/Change   Meters to be installed citywide  Explain the justification for selecting projects planned for 2027: PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits. Decrating Costs  nat are the estimated annual operating costs associated with the projects planned within this program?  sonnel  to for Annual Cost Description  n-Personnel  taio  Amount Description  25	3" and Larger Meter Purchase/Set/Change       Meters to be installed citywide         Explain the justification for selecting projects planned for 2027:         PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkedule. Meters are required to be accurate within PSC stated limits.         Psc Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year checkedule. Meters are required to be accurate within PSC stated limits.         Psc Tating Costs         nat are the estimated annual operating costs associated with the projects planned within this program?         sonnel         # of         Annual Cost       Description         TrEs         Annunt       Description         Tres         Annunt       Description	1.5" 8	& 2" Meter Purcha	ase/Set/Change		Neters to be installed citywide
PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.	PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.  Derating Costs  nat are the estimated annual operating costs associated with the projects planned within this program?  sonnel  for Annual Cost Description  n-Personnel  Parsonnel  Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Pars	3" and	d Larger Meter Pu	urchase/Set/Change		Neters to be installed citywide
PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.	PSC Chapter 185.32 requires water utilities to meter and bill all customers. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be accurate within PSC stated limits.  Derating Costs  nat are the estimated annual operating costs associated with the projects planned within this program?  sonnel  for Annual Cost Description  n-Personnel  Parsonnel  Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Parsonnel Pars	Fynlair	n the justification	for selecting projects plann	ed for 2027:	
hat are the estimated annual operating costs associated with the projects planned within this program?	hat are the estimated annual operating costs associated with the projects planned within this program?  sonnel  # of Annual Cost Description  n-Personnel  tajor Amount Description  25	PSC Ch	hapter 185.32 req	uires water utilities to meter	and bill all custome	rs. PSC Chapter 185.73 requires water utilities to test and change out all meters on a 20 year
TEs     In-Personnel     Iajor     Amount        Description     25	Tris     n-Personnel     tajor     Amount        Description     25	hat are	e the estimated a	nnual operating costs associ	ated with the projec	ts planned within this program?
Amount Description	Amount Description		-	Description		
Amount Description	Amount Description	-		Description		
Amount Description	Amount Description	# of FTEs				
2S	2S	-		Description		
		FTEs	sonnel			
		FTEs				
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	v1 (	FTEs on-Pers <i>Major</i> ES				
	v1 (	FTEs on-Pers <i>Najor</i>				

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# 2022 Capital Improvement Plan Program Budget Proposal

# Identifying Information

Agency	Water Utility	Proposal Name	Water Utility Facility Imp
Project Number	10440	Project Type	Program
Project Category	Utility	Priority:	2
2022 Project Number	13591		

### Description

This program is for repairing and upgrading Water Utility facilities. The goal of the program is to maintain the facilities for reliable service and reducing emergency repairs. Progress is measured by tracking the number of emergency calls, facility outages, and accidents each year. Funding in 2021 is for SCADA system upgrades and expansion, fiber optic installation and upgrade, deep well variable frequency drive (VFD) installs, facility safety and security upgrades, and other miscellaneous upgrades.

## **Budget Information**

Prior Appropriation*	\$4,604,011 Prior Year Actual	\$3,594,011
*Based on Fiscal Years 2015-2020		

#### **Budget by Funding Source**

Funding Source	2022	2023	2024	2025	2026	2027
Reserves Applied - Water	847,000	844,700	1,175,000	825,000	865,000	891,000
То	stal \$847,000	\$844,700	\$1,175,000	\$825,000	\$865,000	\$891,000

#### Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Machinery and Equipment	403,000	388,700	329,000	343,000	368,000	380,000
Building	444,000	456,000	846,000	482,000	497,000	511,000
Tota	\$847,000	\$844,700	\$1,175,000	\$825,000	\$865,000	\$891,000

#### Explain any changes from the 2021 CIP in the proposed funding for this program.

This program has been reduced from our 2021 CIP and reallocated to other programs in our 2022 CIP.

## **Priority & Justification**

Citywide Element	Green and Resilient				
Strategy	Protect Madison's wa	er supply and infrastructure to provide safe clean drinking water.			
Describe how this project advances the Citywide Element:					

Provides for MWU facility improvements necessary in providing sufficient clean drinking water to City of Madison residents.

### **Racial Equity and Social Justice**

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

MWU formalized its Asset Management Program with the development of a Strategic Asset Management Plan (SAMP) in 2018. SAMP principles help guide MWU to consistently meet our established level of service goals at sustainable and responsible asset lifecycle costs and acceptable levels of risk. The plan is structured to incomponent in a project's triple bottom line score Reduces to Reduce the service set of the transparent, data-driven process to acceptable level of the transparent of the transpa

plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

C	Yes	۲	No

# Project Schedule & Location

2022 Project	s
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Project Name	Est Cost	Location
SCADA System Upgrade and Expansion	\$26,000	Various Unit Wells and Booster Pump Stations
SCADA System Opgrade and Expansion		
Fiber Ontic System Installation & Lingrada	\$70,000	Various Unit Wells and Booster Pump Stations
Fiber Optic System Installation & Upgrade		
Control & Instrumentation Deplecement/Ungrade	\$121,000	Various Unit Wells and Booster Pump Stations
Control & Instrumentation Replacement/Upgrade		
Deep Well VED Installs & MCC Lingrades	\$130,000	Various Unit Wells and Booster Pump Stations
Deep Well VFD Installs & MCC Upgrades		
Well Equipment	\$56,000	Various Unit Wells and Booster Pump Stations
Well Equipment		
Various Olin & Paterson Building Site Improvements	\$50,000	119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center
Unexpected UW and BPS Mechanical Failures	\$268,000	Various Unit Wells and Booster Pump Stations
Facility Safety & Security Upgrades	\$52,000	Various Water Utility Sites
Missellensone Fasilitet Insuedas	\$74,000	Various Water Utility Sites
Miscellaneous Facility Upgrades		

Explain the justification for selecting projects planned for 2022:

Projects are decided by applying MWU's Asset Management program to the list of potential projects.

Project Name	Est Cost	Location	
SCADA System Upgrade and Expansion	\$27,000	Various Unit Wells and Booster Pump Stations	
Fiber Optic System Installation & Upgrade	\$90,000	Various Unit Wells and Booster Pump Stations	
Control & Instrumentation Replacement/Upgrade	\$92,000	Various Unit Wells and Booster Pump Stations	
Deep Well VFD Installs & MCC Upgrades	\$122,000	Various Unit Wells and Booster Pump Stations	
beep wen vib instans & Nice opgrades			
	\$57,700	Various Unit Wells and Booster Pump Stations	
Well Equipment			
	\$50,000	119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center	
Various Olin & Paterson Building Site Improvements			
2022 Capital Budget		Agency Requests	69

Project Name	Est Cost	Location
Unexpected UW and BPS Mechanical Failures	\$276,000	Various Unit Wells and Booster Pump Stations
Facility Safety & Security Upgrades	\$54,000	Various Water Utility Sites
Miscellaneous Facility Upgrades	\$76,000	Various Water Utility Sites
Explain the justification for selecting projects planned	for 2023:	
Projects are decided by applying MWU's Asset Manager	ment program to	the list of potential projects.
2024 Projects	5-1 61	handlar.
Project name	<i>Est Cost</i> \$28,000	Location Various Unit Wells and Booster Pump Stations
SCADA System Upgrade and Expansion		
Fiber Optic System Installation & Upgrade	\$50,000	Various Unit Wells and Booster Pump Stations
Control & Instrumentation Replacement/Upgrade	\$95,000	Various Unit Wells and Booster Pump Stations
Deep Well VFD Installs & MCC Upgrades	\$96,600	Various Unit Wells and Booster Pump Stations
Well Equipment	\$59,400	Various Unit Wells and Booster Pump Stations
Various Olin & Paterson Building Site Improvements	\$428,000	119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center
Unexpected UW and BPS Mechanical Failures	\$284,000	Various Unit Wells and Booster Pump Stations
Facility Safety & Security Upgrades	\$56,000	Various Water Utility Sites
Miscellaneous Facility Upgrades	\$78,000	Various Water Utility Sites
Explain the justification for selecting projects planned	for 2024:	
, ,		
Projects are decided by applying MWU's Asset Manager		the list of potential projects.
		the list of potential projects.
Projects are decided by applying MWU's Asset Manager	ment program to Est Cost	the list of potential projects.
Projects are decided by applying MWU's Asset Manager	ment program to	
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name	ment program to Est Cost	Location
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion	ment program to Est Cost \$29,000	Location Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade	ment program to <u>Est Cost</u> \$29,000 \$80,000	Location Various Unit Wells and Booster Pump Stations Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade	ment program to <i>Est Cost</i> \$29,000 \$80,000 \$98,000	Location         Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades	Est Cost           \$29,000           \$80,000           \$98,000           \$75,000	Location         Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment	ment program to Est Cost \$29,000 \$80,000 \$98,000 \$75,000 \$61,000	Location         Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment Various Olin & Paterson Building Site Improvements	Est Cost           \$29,000           \$80,000           \$98,000           \$75,000           \$61,000           \$51,000	Location         Various Unit Wells and Booster Pump Stations         119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment Various Olin & Paterson Building Site Improvements Unexpected UW and BPS Mechanical Failures	ment program to <i>Est Cost</i> \$29,000 \$80,000 \$98,000 \$75,000 \$61,000 \$51,000 \$293,000	Location         Various Unit Wells and Booster Pump Stations         119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Various Unit Wells and Booster Pump Stations
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment Various Olin & Paterson Building Site Improvements Unexpected UW and BPS Mechanical Failures Facility Safety & Security Upgrades	ment program to <i>Est Cost</i> \$29,000 \$80,000 \$98,000 \$75,000 \$61,000 \$51,000 \$293,000 \$293,000 \$80,000	Location         Various Unit Wells and Booster Pump Stations         119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Various Unit Wells and Booster Pump Stations         Various Water Utility Sites
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment Various Olin & Paterson Building Site Improvements Unexpected UW and BPS Mechanical Failures Facility Safety & Security Upgrades Miscellaneous Facility Upgrades	ment program to Est Cost \$29,000 \$80,000 \$98,000 \$75,000 \$61,000 \$51,000 \$51,000 \$293,000 \$58,000 \$80,000 for 2025:	Location         Various Unit Wells and Booster Pump Stations         119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Various Unit Wells and Booster Pump Stations         Various Water Utility Sites         Various Water Utility Sites         Various Water Utility Sites
Projects are decided by applying MWU's Asset Manager 2025 Projects Project name SCADA System Upgrade and Expansion Fiber Optic System Installation & Upgrade Control & Instrumentation Replacement/Upgrade Deep Well VFD Installs & MCC Upgrades Well Equipment Various Olin & Paterson Building Site Improvements Unexpected UW and BPS Mechanical Failures Facility Safety & Security Upgrades Miscellaneous Facility Upgrades Explain the justification for selecting projects planned	ment program to Est Cost \$29,000 \$80,000 \$98,000 \$75,000 \$61,000 \$51,000 \$51,000 \$293,000 \$58,000 \$80,000 for 2025:	Location         Various Unit Wells and Booster Pump Stations         119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Various Unit Wells and Booster Pump Stations         Various Water Utility Sites         Various Water Utility Sites         Various Water Utility Sites

SEADA System Upgrade and Expansion     SS0000       Yuricus Unit Wells and Booster Pump Stations       Filer Optic System Installation & Upgrade     S52,000       Workus Unit Wells and Booster Pump Stations       Correl & Installation & Upgrade     S52,000       Workus Unit Wells and Booster Pump Stations       Well VPD Installs & MCL Upgrade     S52,000       Workus Unit Wells and Booster Pump Stations       Well vell Well VPD Installs & MCL Upgrade     S52,000       Workus Unit Wells and Booster Pump Stations       Well vell Well vell Pump Stations       Werl vell VPD Installs & MCL Upgrades     S50,000       Workus Unit Wells and Booster Pump Stations       Werl vell VPD Installe & MSCL Upgrades     S50,000       Workus Unit Wells and Booster Pump Stations       Workus Unit Wells and Booster Pump Stations       State St		Pr	oject name	Est Cost	Location	
Pref Optic System Installation & Upgrade     Yarlous Unit Wells and Booster Pump Stations       Control & Instrumentation Replacement/Upgrade     5101,000       Well Equipment     553,000       Various Unit Wells and Booster Pump Stations       Weil Equipment     553,000       Various Unit Wells and Booster Pump Stations       Various Well Various Wells and Booster Pump Stations       Various Well Well Networks       Station for selecting projects planned by 2028:       Project Nome     Ext Cost       Control & Instrumentation Replacement/Upgrade       Stations Unit Wells and Booster Pump Stations       Various Unit Wells and Booster Pump Stations       Project Nome     Ext Cost       Control & Instrumentation Replacement/Upgrade       Stations Unit Wells and Booster Pump Stations       Various Unit Wells and	SCAD	A System Upgrad	e and Expansion	\$30,000	Various Unit Wells and Booster Pump Stations	
Control & Instrumentation Replacement/Upgrade     Parious Unit Wells and Booster Pump Stations       geep Well VPD Installs & MCC Upgrades     53222000       Various Unit Wells and Booster Pump Stations       Well Equipment     5332000       Unexpected UW and BP5 Mechanical Failures     5342000       Various Unit Wells and Booster Pump Stations       Facility Safety & Security Upgrades     542000       Various Unit Wells and Booster Pump Stations       Facility Safety & Security Upgrades     542000       Various Unit Wells and Booster Pump Stations       Miscellaneous Facility Upgrades     542000       Various Unit Wells and Booster Pump Stations       Zez Projects     542000       Various Unit Wells and Booster Pump Stations       SCADA System Ubgrade and Expansion     31.000       Various Unit Wells and Booster Pump Stations       Control & Instrumentation Replacement/Upgrade     104,000       Various Unit Wells and Booster Pump Stations       Control & Instrumentation Replacement/Upgrade     104,000       Various Unit Wells and Booster Pump Stations	Fiber	Optic System Ins	tallation & Upgrade	\$52,000	Various Unit Wells and Booster Pump Stations	
Deep Well VD Installs & MCC Upgrades     Various Unit. Wells and Booster Pump Stations       Verill Equipment     \$53.000       Various Unit. Wells and Booster Pump Stations       2022 Projects       Project Name     Eff Cost       Various Unit. Wells and Booster Pump Stations       Status Replay Unit Multi Station & Upgrade     54,000       Various Unit. Wells and Booster Pump Stations       Various Unit. W	Control & Instrumentation Replacement/Upgrade		\$101,000	Various Unit Wells and Booster Pump Stations		
Well Equipment     Various Unit. Wells and Booster Pump Stations       Various Olin & Praceson Building Site Improvements     553.000       Unexpected UW and BPS Mechanical Failures     560.000       Various Unit. Wells and Booster Pump Stations       Facility Safety & Security Upgrades     560.000       Various Water Utility Sites     560.000       Various Varier Utility Sites     560.000       Various Unit Wells and Booster Pump Stations     560.000       Fiber Optic System Installation & Upgrade     106.000       Various Unit Wells and Booster Pump Stations     560.000	Deep	Deep Well VFD Installs & MCC Upgrades		\$122,000	Various Unit Wells and Booster Pump Stations	
Various Olin & Paterson Building Stel Improvements     119 E Olin Ave-Heim Bildg & 110 S Paterson St-Ops Center       Unexpected UW and BPS Mechanical Failures     S302,000       Various Unit Welks and Booster Pump Stations       Facility Safety & Security Upgrades     S82,000       Various Water Utility Sites       Explain the justification for selecting projects planned for 2026:       Project Name     Est Cost       2027 Projects     Est Cost       2027 Projects     Est Cost       2027 Project Same     Est Cost       2027 Project Same     S40,000       Various Unit Welks and Booster Pump Stations       Fiber Optic System Upgrade     S40,000       Various Unit Welks and Booster Pump Stations       Control & Instrumentation Replacement/Upgrade     Various Unit Welks and Booster Pump Stations       Various Unit Welks and Booster Pump Stations     S40,000       Various Unit Welks and Booster Pump Stations       Various Unit Welks and Booster Pump Stations <td>Well I</td> <td colspan="2">Well Equipment</td> <td>\$63,000</td> <td>Various Unit Wells and Booster Pump Stations</td>	Well I	Well Equipment		\$63,000	Various Unit Wells and Booster Pump Stations	
Unexpected UW and BPS Mechanical Failures Various Unit Wells and Booster Pump Stations          Facility Safety & Security Upgrades       \$60,000         Anisot Unit Wells and Booster Pump Stations         Explain the justification for selecting projects planned for 2026:         Projects are decided by applying MWU's Asset Management program to the list of potential projects.         2027 Projects         Explain the justification for selecting projects planned for 2026:         Project Nome       Est Cost         2027 Projects         Explain the justification for selecting projects planned for 2026:         Project Nome       Est Cost         2027 Projects         Control & Upgrade and Expansion       31,000         Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       104,000         Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       104,000         Various Unit Wells and Booster Pump Stations         Well Equipment       54,000         Various Unit Wells and Booster Pump Stations         Insepected UW and BPS Mechanical Failures       311,000         Various Unit Wells and Booster Pump Stations         Insepected UW and BPS Mechanical Failures       24,000         Various Unit Wells and Booster Pump Stations         Ins	Vario	us Olin & Paterso	n Building Site Improvements	\$53,000	119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center	
Facility Safety & Security Upgrades       Various Water Utility Sites         Miscellaneous Facility Upgrades       \$\$2,000         Various Water Utility Sites       \$\$2,000         Projects are decided by applying MWU's Asset Management program to the list of potential projects.       \$\$227 Projects         227 Projects       Project Name       Est Cost         SCADA System Upgrade and Expansion       \$\$4,000       Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       \$\$4,000       Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       \$\$4,000       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       \$\$2,000       Various Unit Wells and Booster Pump Stations         Verious Olin & Paterson Building Site       \$\$4,000       Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations       \$\$4,000       Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations       \$\$4,000       Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations       \$\$4,000       Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pump Stations       \$\$4,000       Various Unit Wells and Booster Pump Stations         Various Unit Wells and Booster Pum	Unex	pected UW and E	BPS Mechanical Failures	\$302,000	Various Unit Wells and Booster Pump Stations	
Miscellaneous Facility Upgrades       Various Water Utility Sites         Explain the justification for selecting projects planned for 2026:         Projects         Project Name         Explain the justification for selecting projects planned for 2026:         Project Name         Explain the justification for selecting projects planned for 2026:         Project Name       Explain the justification for selecting projects planned for 2026:         SCADA System Upgrade and Expansion       31,000         Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       54,000         Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       104,000         Various Unit Wells and Booster Pump Stations         Verious Unit Wells and Booster Pump Stations         Verious Unit Wells and Booster Pump Stations         Various Unit Wells	Facilit	ty Safety & Secur	ity Upgrades	\$60,000	Various Water Utility Sites	
Projects are decided by applying MWU's Asset Management program to the list of potential projects.          2027 Projects         2027 Projects         Project Name       Est Cost         SCADA System Upgrade and Expansion       31,000         Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       \$4,000         Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       126,000         Various Unit Wells and Booster Pump Stations         Well Equipment       65,000         Various Unit Wells and Booster Pump Stations         Unexpected UW and BPS Mechanical Failures         119 E Olin Ave-Heim Bidg & 110 S Paterson Stations         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites         Esplain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Man	Misce	ellaneous Facility	Upgrades	\$82,000	Various Water Utility Sites	
Projects are decided by applying MWU's Asset Management program to the list of potential projects.          2027 Projects         2027 Projects         Project Name       Est Cost         SCADA System Upgrade and Expansion       31,000         Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       \$4,000         Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       126,000         Various Unit Wells and Booster Pump Stations         Well Equipment       65,000         Various Unit Wells and Booster Pump Stations         Unexpected UW and BPS Mechanical Failures         119 E Olin Ave-Heim Bidg & 110 S Paterson Stations         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites         Esplain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Man	Explai	n the justificatio	n for selecting projects planne	d for 2026:		
Project Name       Est Cost       Location         SCADA System Upgrade and Expansion       31,000       Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       54,000       Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       104,000       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       126,000       Various Unit Wells and Booster Pump Stations         Well Equipment       65,000       Various Unit Wells and Booster Pump Stations         Various Olin & Paterson Building Site       119 E Olin Ave-Heim Bidg & 110 S Paterson St-Ops Center         Improvements       311,000       Various Unit Wells and Booster Pump Stations         Inexpected UW and BPS Mechanical Failures       54,000       119 E Olin Ave-Heim Bidg & 110 S Paterson St-Ops Center         Improvements       311,000       Various Unit Wells and Booster Pump Stations       54,000         Miscellaneous Facility Upgrades       62,000       Various Water Utility Sites       54,000         Miscellaneous Facility Upgrades       84,000       Various Water Utility Sites       54,000         Miscellaneous Facility Upgrades       84,000       Various Water Utility Sites       54,000         Projects are decided by applying MWU's Asset Management program to the list of potential projects.	Projec	ts are decided by	r applying MWU's Asset Manag	gement program to	the list of potential projects.	
SCADA System Upgrade and Expansion       31,000       Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       54,000       Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       104,000       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       126,000       Various Unit Wells and Booster Pump Stations         Well Equipment       65,000       Various Unit Wells and Booster Pump Stations         Various Olin & Paterson Building Site       54,000       119 E Olin Ave-Heim Bidg & 110 S Paterson St-Ops Center         Improvements       311,000       Various Unit Wells and Booster Pump Stations         Unexpected UW and BPS Mechanical Failures       52,000       Various Unit Wells and Booster Pump Stations         Faellity Safety & Security Upgrades       62,000       Various Water Utility Sites         Miscellaneous Facility Upgrades       84,000       Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:       Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs       Variance Multin this program?       Eesonnel	2027 F	Projects				
SCADA System Upgrade and Expansion       Various Unit Wells and Booster Pump Stations         Fiber Optic System Installation & Upgrade       54,000         Control & Instrumentation Replacement/Upgrade       104,000         Various Unit Wells and Booster Pump Stations       26,000         Deep Well VFD Installs & MCC Upgrades       126,000         Well Equipment       65,000         Various Unit Wells and Booster Pump Stations         Inexpected UW and BPS Mechanical Failures       119 E Olin Ave-Heim Bidg & 110 S Paterson St-Ops Center         Inexpected UW and BPS Mechanical Failures       62,000       Various Water Utility Sites         Facility Safety & Security Upgrades       84,000       Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:       Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs       Variaus Sasciated with the projects planned within this program?		Pro	ject Name	Est Cost	Location	
Fiber Optic System Installation & Upgrade       Various Unit Wells and Booster Pump Stations         Control & Instrumentation Replacement/Upgrade       104,000         Various Unit Wells and Booster Pump Stations       126,000         Deep Well VFD Installs & MCC Upgrades       126,000         Well Equipment       65,000         Various Unit Wells and Booster Pump Stations         Various Olin & Paterson Building Site       119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Improvements       311,000         Various Unit Wells and Booster Pump Stations         Facility Safety & Security Upgrades       62,000         Various Unit Wells and Booster Pump Stations         Inexpected UW and BPS Mechanical Failures       311,000         Various Unit Wells and Booster Pump Stations         facility Safety & Security Upgrades       62,000         Various Water Utility Sites         Miscellaneous Facility Upgrades       84,000         Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs         What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of <td< td=""><td>SCAD</td><td colspan="2"></td><td></td><td>Various Unit Wells and Booster Pump Stations</td></td<>	SCAD				Various Unit Wells and Booster Pump Stations	
Control & Instrumentation Replacement/Upgrade       Various Unit Wells and Booster Pump Stations         Deep Well VFD Installs & MCC Upgrades       126,000         Well Equipment       65,000         Various Unit Wells and Booster Pump Stations         Various Olin & Paterson Building Site       54,000         Inexpected UW and BPS Mechanical Failures       54,000         Various Unit Wells and Booster Pump Stations         Inexpected UW and BPS Mechanical Failures       52,000         Various Unit Wells and Booster Pump Stations         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites       52,000         Miscellaneous Facility Upgrades       62,000         Various Water Utility Sites       52,000         Projects are decided by applying MWU's Asset Management program to the list of potential projects.       50         Operating Costs       54,000         Vhat are the estimated annual operating costs associated with the projects planned within this program?         ersonnel       #of       Annual Cost	Fiber	Fiber Optic System Installation & Upgrade			Various Unit Wells and Booster Pump Stations	
Deep Well VFD Installs & MCC Upgrades       Various Unit Wells and Booster Pump Stations         Well Equipment       65,000         Various Olin & Paterson Building Site       54,000         Improvements       119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Unexpected UW and BPS Mechanical Failures       311,000         Various Unit Wells and Booster Pump Stations         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites         Miscellaneous Facility Upgrades       84,000         Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs         What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of       Annual Cost       Description	Contr	Control & Instrumentation Replacement/Upgrade		104,000	Various Unit Wells and Booster Pump Stations	
Well Equipment       Various Unit Wells and Booster Pump Stations         Various Olin & Paterson Building Site       54,000         Improvements       119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Unexpected UW and BPS Mechanical Failures       311,000         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites       62,000         Miscellaneous Facility Upgrades       84,000         Various Water Utility Sites       2000         Projects are decided by applying MWU's Asset Management program to the list of potential projects.       2000         Operating Costs       2005         What are the estimated annual operating costs associated with the projects planned within this program?       2000         ersonnel       # of       Annual Cost       Description	Deep Well VFD Installs & MCC Upgrades		126,000	Various Unit Wells and Booster Pump Stations		
Various Olin & Paterson Building Site       119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center         Improvements       311,000         Unexpected UW and BPS Mechanical Failures       311,000         Facility Safety & Security Upgrades       62,000         Various Water Utility Sites       Various Water Utility Sites         Miscellaneous Facility Upgrades       84,000         Various Water Utility Sites       Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:       Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs       Vhat are the estimated annual operating costs associated with the projects planned within this program?         ersonnel       # of       Annual Cost			65,000	Various Unit Wells and Booster Pump Stations		
Unexpected UW and BPS Mechanical Failures       Various Unit Wells and Booster Pump Stations         Facility Safety & Security Upgrades       62,000         Miscellaneous Facility Upgrades       84,000         Various Water Utility Sites       84,000         Explain the justification for selecting projects planned for 2027:       Various Water Utility Sites         Projects are decided by applying MWU's Asset Management program to the list of potential projects.       Operating Costs         Vhat are the estimated annual operating costs associated with the projects planned within this program?       ersonnel         # of       Annual Cost       Description		-		54,000	119 E Olin Ave-Heim Bldg & 110 S Paterson St-Ops Center	
Facility Safety & Security Upgrades       Various Water Utility Sites         Miscellaneous Facility Upgrades       84,000         Explain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs         What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of       Annual Cost	Unex			311,000	Various Unit Wells and Booster Pump Stations	
Miscellaneous Facility Upgrades       Various Water Utility Sites         Explain the justification for selecting projects planned for 2027:         Projects are decided by applying MWU's Asset Management program to the list of potential projects.         Operating Costs         What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of       Annual Cost         Description	Facilit	Facility Safety & Security Upgrades 62,000		62,000	Various Water Utility Sites	
Projects are decided by applying MWU's Asset Management program to the list of potential projects.  Dperating Costs What are the estimated annual operating costs associated with the projects planned within this program?  ersonnel # of Annual Cost Description	Misce	Miscellaneous Facility Upgrades Va		84,000	Various Water Utility Sites	
Operating Costs         What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of       Annual Cost         Description	Explai	n the justificatio	n for selecting projects planne	d for 2027:		
What are the estimated annual operating costs associated with the projects planned within this program?         ersonnel         # of       Annual Cost       Description	Projec	ts are decided by	applying MWU's Asset Manag	gement program to	the list of potential projects.	
ersonnel # of Annual Cost Description	pera	ting Costs				
# of Annual Cost Description	Vhat are	e the estimated a	annual operating costs associa	ted with the proje	cts planned within this program?	
# of Annual Cost Description						
	ersonne	el				
		Annual Cost	Description			

Major	Amount	Description
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Submitted

		202	2 Capital In	nprovemer	nt Plan		
			Program Bu	dget Propos	al		
Identifying Information	n						
Agency Wat	ater Utility		Proposa	al Name	Water Utility Vehicles 8	. 1	
Project Number 123			Project	Туре	Program		
Project Category Oth	her		Priority	:	17		
2022 Project Number					17		
Description							
This program is for the annual veh goal of this program is to provide useful life obtained. In 2021, fund service equipment.	reliable vehicl	es and equipment for	or Water Utility's ope	erations. Progress	will be measured by the	frequency of vehic	le breakdowns and a
*Based on Fiscal Years 2015-2020							
Budget by Funding Source							
		2022	2023	2024	2025	2026	2027
Budget by Funding Source		<b>2022</b> 554,000	<b>2023</b> 261,000	<b>2024</b> 542,000	<b>2025</b> 271,000	<b>2026</b> 560,000	<b>2027</b> 282,000
Budget by Funding Source Funding Source	Total						
udget by Funding Source Funding Source Reserves Applied - Water	Total	554,000	261,000	542,000	271,000	560,000	282,000
udget by Funding Source Funding Source Reserves Applied - Water	Total	554,000	261,000	542,000	271,000	560,000	282,000
Budget by Funding Source Funding Source Reserves Applied - Water Budget by Expenditure Type	Total	554,000 \$554,000	261,000 \$261,000	542,000 \$542,000	271,000 \$271,000	560,000 \$560,000	282,000 \$282,000

Describe how this project advances the Citywide Element:

By replacing aging vehicles with new electric or gas powered vehicles in the future, we will help to reduce carbon emissions and improve gas mileage. It will also reduce maintenance costs, and length of time vehicles are out of service.

## **Racial Equity and Social Justice**

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

MWU formalized its Asset Management Program with the development of a Strategic Asset Management Plan (SAMP) in 2018. SAMP principles help guide MWU to consistently meet our established level of service goals at sustainable and responsible asset lifecycle costs and acceptable levels of risk. The plan is structured to incorporate racial equity as one component in a project's triple bottom line score. All water utility customers benefit from the transparent, data-driven process to plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	The proj such are improve wheathe	ects within this program are internal infrastructure improvements and as not visible to the public. Despite the concealed nature of these ments, the priorities will have noticable impacts on MWU's service, delivery, er by improving water quality, enery efficiency, water pressure, or system y. All MWU customers, regardless of race or income, will share in the
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A	
How will we continue to communicate with them in this process?	N/A	
Have we used any data related to the project/program that details	0	Yes
race, non-binary and transgender people, people with disabilities,	0	No
those experiencing homelessness, or undocumented status?	0	Some, not all

ls to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

$\bigcirc$	Yes	۲	Νο	

# **Project Schedule & Location**

#### 2022 Projects

Project Name	Est Cost	Location
W53 JD 710 Backhoe-Replacement	\$150,000	110 S Paterson Street
W45 Tri-Axel Dump Truck-Replacement	\$150,000	110 S Paterson Street
W52 Service Body Truck-Replacement	\$70,000	110 S Paterson Street
W96 F150 or Transit Connect-Replacement	\$30,000	119 E Olin Avenue
W51 Transit Connect-Replacement	\$30,000	119 E Olin Avenue
Small vehicle-replacement	\$30,000	110 S Paterson Street or 119 E Olin Avenue
Mapping and Survey Equipment Modernization	\$12,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$15,000	110 S Paterson Street and 119 E Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$27,000	110 S Paterson Street
Speed Shore Replacement Box	\$20,000	110 S Paterson Street
Various large tools and equipment	\$20,000	110 S Paterson Street and 119 E Olin Avenue

#### Explain the justification for selecting projects planned for 2022:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

2023 Projects			
Project Name	Est Cost	Location	
W89 Utilimaster-replacement	\$95,000	119 E Olin Avenue	
W31 Transit Connect-replacement	\$35,000	119 E Olin Avenue	
2022 Capital Budget		Agency Requests	74

Project Name	Est Cost	Location
W76 F150-replacement	\$35,000	110 S Paterson Street
w/oriso-replacement		
Mapping and Survey Equipment Mondernization	\$13,000	119 E Olin Avenue
Various small equipment replacements over the	\$15,000	110 S Paterson Street and 119 E Olin Avenue
\$5,000 capitalization threshold		
RP Valve Complete/Parts/Testing/Registration	\$27,000	110 S Paterson Street
Speed Shore Replacement Box	\$20,000	110 S Paterson Street
Various large tools and equipment	\$21,000	110 S Paterson Street and 119 E Olin Avenue

#### Explain the justification for selecting projects planned for 2023:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

2024 Projects		
Project name	Est Cost	Location
W80 JD 410 Backhoe-replacement	\$130,000	110 S Paterson Street
W71 Tri-Axel Dump Truck-replacement	\$173,000	110 S Paterson Street
W10 Utilimaster-replacement	\$105,000	110 S Paterson Street
W29 Electric Vehicle-replacement	\$35,000	119 E Olin Avenue
Mapping and Survey Equipment Modernization	\$14,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$15,000	110 S Paterson Street and 119 E Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$28,000	110 S Paterson Street
Speed Shore Replacement Box	\$21,000	110 S Paterson Street
Various large tools and equipment	\$21,000	110 S Paterson Street and 119 E Olin Avenue

Explain the justification for selecting projects planned for 2024:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

#### 2025 Projects

Project name	Est Cost	Location	
W1 F250 Valve Operating Truck-replacement	\$60,000	110 S Paterson Street	
W78 Utilimaster-replacement	\$110,000	110 S Paterson Street	
Mapping and Survey Equipment Modernization	\$15,000	119 E Olin Avenue	
Various small equipment replacements over the \$5,000 capitalization threshold	\$15,000	110 S Paterson Street and 119 E Olin Avenue	
RP Valve Complete/Parts/Testing/Registration	\$28,000	110 S Paterson Street	
Speed Shore Replacement Box	\$21,000	110 S Paterson Street	
Various large tools and equipment	\$22,000	110 S Paterson Street and 119 E Olin Avenue	
2022 Capital Budget		Agency Requests	75

#### Explain the justification for selecting projects planned for 2025:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

Project name	Est Cost	Location
W4 Tri-Axel Dump Truck-replacement	\$174,000	110 S Paterson Street
W84 JD 410 Backhoe-replacement	\$130,000	110 S Paterson Street
W79 Electric Vehicle-replacement	\$38,000	119 E Olin Avenue
W85 Electric Vehicle-replacement	\$38,000	110 S Paterson Street
W17 Electric Vehicle-replacement	\$38,000	119 E Olin Avenue
W75 Electric Vehicle-replacement	\$38,000	110 S Paterson Street
Mapping and Survey Equipment Modernization	\$16,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$15,000	110 S Paterson Street and 119 E Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$29,000	110 S Paterson Street
Speed Shore Replacement Box	\$22,000	110 S Paterson Street
Various large tools and equipment	\$22,000	110 S Paterson Street and 119 E Olin Avenue

#### Explain the justification for selecting projects planned for 2026:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

#### 2027 Projects

Project Name	Est Cost	Location
W8 Utilimaster-replacement	95,000	110 S Paterson Street
W69 Electric Vehicle-replacement	40,000	110 S Paterson Street
W103 Electric Vehicle-replacement	40,000	110 S Paterson Street
Mapping and Survey Equipment Modernization	16,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	15,000	110 S Paterson Street and 119 E Olin Avenue
RP Valve Complete/Parts/Testing/Registration	30,000	110 S Paterson Street
Speed Shore Replacement Box	23,000	110 S Paterson Street
Various large tools and equipment	23,000	110 S Paterson Street and 119 E Olin Avenue

### Explain the justification for selecting projects planned for 2027:

MWU maintains a list of all vehicles and equipment. Vehicles are replaced based on the year purchased to maintain safe and reliable vehicles for our employees. Equipment is evaluated yearly and replaced based on the age and condition of the equipment.

# **Operating Costs**

What are	the estimated	annual operating costs associated with the projects planned within this program?
Personne	I	
# of FTEs	Annual Cost	Description
Non-Perso	onnel	
Major	Amount	Description
otes		
tes:		
		v1 03/15/

		201					S
		202	22 Capital Im	•			
			Program Bu	dget Propos	al		
dentifying Informa	ation						
Agency	Water Utility		Proposa	al Name	Water Valve Cut-In Pr	ogri	
Project Number	12387		Project	Туре	Program		
Project Category	Utility		Priority	:	16		
2022 Project Number	13596						
escription							
his program is for installing npacted during water syste	m maintenance an						ter service is negative
udget Information Prior Appropriation*			\$15.000 Prior Year	Actual	\$8,31	9	
*Based on Fiscal Years 2015-	2020		\$15,000 <b>The rea</b>	Actual	د دره د	.0	
udget by Funding Source	2						
							2027
Funding Sourc	e	2022	2023	2024	2025	2026	
	e Total	16,000	17,000	18,000	19,000	20,000	21,000
leserves Applied - Water	Total	-					
eserves Applied - Water	Total 7pe	16,000	17,000	18,000	19,000	20,000	21,000
dget by Expenditure Ty Expense Type	Total /pe	16,000 \$16,000 <b>2022</b> 16,000	17,000 \$17,000 <b>2023</b> 17,000	18,000 \$18,000 <b>2024</b> 18,000	19,000 \$19,000 <b>2025</b> 19,000	20,000 \$20,000 <b>2026</b> 20,000	21,000 \$21,000 <b>2027</b> 21,000
eserves Applied - Water dget by Expenditure Ty Expense Type	Total 7pe	16,000 \$16,000 2022	17,000 \$17,000 2023	18,000 \$18,000 <b>2024</b>	19,000 \$19,000 <b>2025</b>	20,000 \$20,000 2026	21,000 \$21,000 <b>2027</b>
Idget by Expenditure Ty Expense Type Vater Network plain any changes from the	Total rpe Total the 2021 CIP in the 2021 CIP. ON	16,000 \$16,000 2022 16,000 \$16,000	17,000 \$17,000 <b>2023</b> 17,000 \$17,000	18,000 \$18,000 <b>2024</b> 18,000 \$18,000	19,000 \$19,000 <b>2025</b> 19,000	20,000 \$20,000 <b>2026</b> 20,000	21,000 \$21,000 <b>2027</b> 21,000
eserves Applied - Water  dget by Expenditure Ty  Expense Type //ater Network  plain any changes from significant change from th  ·iority & Justificati	Total rpe Total the 2021 CIP in the 2021 CIP.	16,000 \$16,000 2022 16,000 \$16,000 the proposed func-	17,000 \$17,000 2023 17,000 \$17,000	18,000 \$18,000 <b>2024</b> 18,000 \$18,000	19,000 \$19,000 <b>2025</b> 19,000	20,000 \$20,000 2026 20,000 \$20,000	21,000 \$21,000 <b>2027</b> 21,000 \$21,000
Adget by Expenditure Ty Expense Type Vater Network plain any changes from o significant change from th riority & Justificati Citywide Elemen Strategy	Total rpe Total the 2021 CIP in the 2021 CIP. ON ot Green and Res	16,000 \$16,000 2022 16,000 \$16,000 the proposed func-	17,000 \$17,000 2023 17,000 \$17,000 ding for this progra	18,000 \$18,000 <b>2024</b> 18,000 \$18,000	19,000 \$19,000 <b>2025</b> 19,000 \$19,000	20,000 \$20,000 2026 20,000 \$20,000	21,000 \$21,000 <b>2027</b> 21,000 \$21,000
Adget by Expenditure Ty Expense Type Vater Network plain any changes from o significant change from th riority & Justificati Citywide Elemen Strategy Describe how th Meeting establis outages will incr	Total Green and Res Green and Res Froject advance hed water supply r eae the reliability c	16,000 \$16,000 2022 16,000 \$16,000 the proposed func- silient Prote s the Citywide Elem egulations and goals	17,000 \$17,000 2023 17,000 \$17,000 ding for this progra ding for this progra	18,000 \$18,000 2024 18,000 \$18,000 am.	19,000 \$19,000 2025 19,000 \$19,000 \$19,000 \$19,000	20,000 \$20,000 2026 20,000 \$20,000	21,000 \$21,000 2027 21,000 \$21,000
Reserves Applied - Water Udget by Expenditure Ty Expense Type Water Network Parallelin any changes from posignificant change from the riority & Justificati Citywide Element Strategy Describe how the Meeting establis	Total	16,000         \$16,000         2022         16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,000         \$16,	17,000         \$17,000         2023         17,000         \$17,000         \$17,000         ding for this prograding for the prograding fo	18,000 \$18,000 2024 18,000 \$18,000 \$18,000 am.	19,000         \$19,000         2025         19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,000         \$19,	20,000 \$20,000 2026 20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000	21,000 \$21,000 2027 21,000 \$21,000

MWU formalized its Asset Management Program with the development of a Strategic Asset Management Plan (SAMP) in 2018. SAMP principles help guide MWU to consistently meet our established level of service goals at sustainable and responsible asset lifecycle costs and acceptable levels of risk. The plan is structured to incorporate racial equity as one 2022 Capital Budget

component in a project's triple bottom line score. All water utility customers benefit from the transparent, data-driven process to plan and prioritize capital project spending. Projects are driven by MWU Board policies and City, State, and Federal regulatory guidelines set by, for example, Wisconsin DNR and the PSC of Wisconsin.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	, The projects within this program are internal infrastructure improvements and as such are not visible to the public. Despite the concealed nature of these improvements, the priorities will have noticeable impacts on MWU's service delivery, whether by improving water quality, energy efficiency, water pressure, or system reliability. All MWU customers, regardless of race or income, will share in the benefits.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	N/A
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	<ul> <li>Yes</li> <li>No</li> <li>Some, not all</li> </ul>

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identif	v the respective grou	up and recommendation.	



# **Project Schedule & Location**

## 2022 Projects

Project Name	Est Cost	Location
2022 Cut-in Valves	\$16,000	Citywide
Explain the justification for selecting projects planned	d for 2022:	
Additional valves on a main allows for a lower numbe	r of customers out	t of service when MWU is repairing/rehabing a pipe.
2023 Projects		
Project Name	Est Cost	Location
2023 Cut-in Valves	\$17,000	Citywide
Explain the justification for selecting projects planned	d for 2023:	
Additional valves on a main allows for a lower numbe	r of customers out	t of service when MWU is repairing/rehabing a pipe.
2024 Projects		Level and
Project name	Est Cost	Location
2024 Cut-in Valves	\$18,000	Citywide
Explain the justification for selecting projects planned	d for 2024:	
Additional valves on a main allows for a lower numbe	r of customers out	t of service when MWU is repairing/rehabing a pipe.
2025 Projects		
Project name	Est Cost	Location
2025 Cut-in Valves	\$19,000	Citywide
Explain the justification for selecting projects planned	d for 2025:	
Additional valves on a main allows for a lower numbe	r of customers out	t of service when MWU is repairing/rehabing a pipe.
2026 Projects		
Project name	Est Cost	Location
2026 Cut-in Valves	\$20,000	Citywide
Explain the justification for selecting projects planned	d for 2026:	
Additional valves on a main allows for a lower numbe	r of customers out	t of service when MWU is repairing/rehabing a pipe.
2027 Projects		
Project Name	Est Cost	Location
2022 Capital Budget		Agency Requests 79

	Pro	ject Name	Est Cost	Location
2027 (	Cut-in Valves		21,000	Citywide
Explair	the justification	n for selecting projects	planned for 2027:	
Additic	onal valves on a r	main allows for a lower i	number of customers o	ut of service when MWU is repairing/rehabing a pipe.
) pera	ting Costs			
			consisted with the pro-	
vilat are	e the estimated a	innual operating costs a	ssociated with the pro	jects planned within this program?
ersonne	1			
# of FTEs	Annual Cost	Description		
on-Pers	onnel			
Major	Amount	Description		
tes				
s:				
				v1 03/15

		202	22 Capital Im	•			
			Project Buc	lget Proposa	al		
Identifying Inform	nation						
Agency	Water Utility		Proposa	I Name	Well 19 Iron and Ma	ngan	
Project Number	10448		Project	Туре	Project		
Project Category	Utility		Priority	:	7		
Description							
This project is for a new ire							
water quality in the area. I Funding in 2023 is for cons		sured by the change	in iron, manganese,	and radium conce	ntrations, which curre	ntly do not meet Ma	dison Water Utility si
Budget Informatio	n						
Total Project Budget			\$8,629,000 <b>Prior</b> #			\$966,000	
			*Based o	on Fiscal Years 2015-2	021		
udget by Funding Sour							
Funding Sou	rce	2022	2023	2024	2025	2026	2027
Revenue Bonds-Water	Total	891,000 \$891,000	6,691,000 \$6,691,000	81,000 \$81,000	0 \$0	0 \$0	0 \$0
Expense Ty		<b>2022</b>	<b>2023</b>	<b>2024</b> 81.000	2025	2026	2027
Expense Ty		<b>2022</b> 891,000 \$891,000	<b>2023</b> 6,691,000 \$6,691,000	<b>2024</b> 81,000 \$81,000	2025 0 \$0	2026 0 \$0	2027 0 \$0
Expense Typ Building Splain any changes from to significant change.	Total	891,000 \$891,000	6,691,000 \$6,691,000 ding for this project	81,000 \$81,000	0	0	0
Expenditure Expense Ty Building Explain any changes from to significant change. Explain any changes from to significant change.	Total	891,000 \$891,000	6,691,000 \$6,691,000 ding for this project	81,000 \$81,000	0	0	0
Expense Tyj Building Aplain any changes from to significant change. Aplain any changes from to significant change.	Total m the 2021 CIP in m the 2021 CIP in	891,000 \$891,000	6,691,000 \$6,691,000 ding for this project	81,000 \$81,000	0	0	0
Expense Tyj Building Explain any changes from the significant change. Explain any changes from the significant change.	Total m the 2021 CIP in m the 2021 CIP in	891,000 \$891,000 the proposed func the proposed func	6,691,000 \$6,691,000 ding for this project	81,000 \$81,000	0	0	0
Expense Tyj Building Control Control C	Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res	891,000 \$891,000 the proposed fund the proposed fund silient Prote	6,691,000 \$6,691,000 ding for this project ding for this progra	81,000 \$81,000	0	0 \$0	0 \$0
Expense Tyj Building Collain any changes from the significant change. Collain any changes from the significant change. Citywide Elem Strategy Describe how the significant change.	Total Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res this project advance	891,000 \$891,000 the proposed func- the proposed func- silient Prote s the Citywide Elem	6,691,000 \$6,691,000 ding for this project ding for this progra ect Madison's water s ent:	81,000 \$81,000 t. am.	0 \$0 ructure to provide safe	0 \$0 clean drinking water	0 \$0
Expense Tyj Building Constant changes from the significant change. Constant change. Constan	Total Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res this project advance	891,000 \$891,000 the proposed func- the proposed func- silient Prote s the Citywide Elem	6,691,000 \$6,691,000 ding for this project ding for this progra ect Madison's water s ent:	81,000 \$81,000 t. am.	0	0 \$0 clean drinking water	0 \$0
Expense Tyj Building Coplain any changes from o significant change. Coplain any changes from o significant change. Citywide Elem Strategy Describe how Meeting estab	Total Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res this project advance	891,000 \$891,000 the proposed func- the proposed func- silient Prote s the Citywide Elem regulations and goals	6,691,000 \$6,691,000 ding for this project ding for this progra ect Madison's water s ent:	81,000 \$81,000 t. am.	0 \$0 ructure to provide safe	0 \$0 clean drinking water	0 \$0
Expense Tyj Building comparison of the second secon	Total Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res this project advance lished water quality i	891,000 \$891,000 the proposed fund the proposed fund silient Prote s the Citywide Elem regulations and goals roject?	6,691,000 \$6,691,000 ding for this project ding for this progra ect Madison's water s ent:	81,000 \$81,000 t. am.	0 \$0 ructure to provide safe	0 \$0 clean drinking water	0 \$0
Expense Tyj Building Aplain any changes from the significant change. Aplain any changes from the significant change. Applain applain	Total Total m the 2021 CIP in m the 2021 CIP in tion ent Green and Res this project advance lished water quality i stification for this pr ceeds established standa	891,000 \$891,000 the proposed fund the proposed fund silient Prote s the Citywide Elem regulations and goals roject?	6,691,000 \$6,691,000 ding for this project ding for this progra ect Madison's water s ent:	81,000 \$81,000 t. am.	0 \$0 ructure to provide safe	0 \$0 clean drinking water	0 \$0

The UW19 Water Quality Mitigation project's objective is to improve the water quality of UW19 water by removing iron, manganese and radium from the source water. These naturally-occurring contaminants are present to varying degrees in the aquifer that supplies the City's water. Iron, manganese and radium at UW19 are all close to the EPA's primary (radium) or secondary standards (iron and manganese) for these contaminants.

UW19 is located on the University of Wisconsin campus near the Eagle Heights student housing complex. This well supplies water to a large area of Madison's near west side including the University of Wisconsin and University of Wisconsin Hospital campuses. Because water is supplied to all customers within a given service area without regard to race, income, gender, age, home language, etc., any improvements to the well's water quality would equally benefit those customers. In addition, the transient and semi-transient customers who are attending the University of Wisconsin or visiting the UW Hospitals, would also benefit from higher quality water.

The project will have a small impact on overall water rates which are used to fund the Utility's capital improvements. This increase would be borne by all Utility ratepayers as the Utility raises rates to fund its CIP. The increase in rates would have a larger impact on those customers with lower incomes.

What City agencies or community partners are affected by, care abou or already working on issues related to this project/program?		iversity of W	isconsin. The	well is located o	on an easement on University property.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	Yes, UN testing additic concer also m	of water qua ons from the i ned about co ade it clear th he current ea	ality treatmen nature preservonstruction-re ney did not wa	t options. UW s ve areas to the r lated impacts to ant the existing	se of this project which included pilot taff had concerns about screening facility north and east of the well. They were also Eagle Heights housing residents. They building to be enlarged beyond what would eceived before the project was delayed for
How will we continue to communicate with them in this process?	stakeh	olders and	the Utility wi		ncluded as one of the primary em closely to incorporate their the project.
Have we used any data related to the project/program that details	0	Yes			
race, non-binary and transgender people, people with disabilities,	$\bigcirc$	No			
those experiencing homelessness, or undocumented status?	0	Some, n	ot all		
s the proposed budget or budget change related to a recommendation from o advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, N	•	•			ect community need with opportunities
If so, please identify the respective group and recommendation.					

# Project Schedule & Location

Can this project be mapped?	● Yes ◯ No
What is the location of the project?	2526 Lake Mendota Drive
Is this project on the Project's Portal?	⊖ Yes () No

### 2022 Status

	Status/Phase	Est Cost	Description
		891000	Public Engagement and Engineering Services
2023	Status		
	Status/Phase	Est Cost	Description
		6691000	Start Construction on Filter
2024	Status		
	Status/Phase	Est Cost	Description
		81000	Additional Water Utility Labor
2025	Status		
	Status/Phase	Est Cost	Description
2026	Status		
	Status/Phase	Est Cost	Description
	-		
2027	Status		
	Status/Phase	Est Cost	Description

# **Operating Costs**

What are the estimated annual operating costs associated with the project?

# of FTEs	Annual Cost	Description
.83	8,700	Facility is operated by existing personnel
on-Perso	onnel	
Major	Amount	Description
54	6,500	Electrical power for chemical treatment
53	25,000	Water treatement chemicals
es		
5:		
		v1 03,
		VI OS,

Submitted 2022 Capital Improvement Plan **Project Budget Proposal** Identifying Information Agency Water Utility **Proposal Name** Wilson St (MLK to King) **Project Type Project Number** 11543 Project **Priority: Project Category** Select... Land Use and Transpor... Description This project is for replacing the pavement on Wilson Street from Martin Luther King Jr Boulevard to King Street. The goal of this project is to improve the pavement rating, which is currently 4 of 10, and enhance the pedestrian and bicycle facilities along the corridor. The project's scope will construct a new cycle track along Wilson Street. Construction is planned for 2024. **Budget Information Total Project Budget** \$157,000 Prior Appropriation \$0 \*Based on Fiscal Years 2015-2021 **Budget by Funding Source** Funding Source 2022 2023 2024 2025 2026 2027 Revenue Bonds-Water 157,000 Total \$0 \$157,000 \$0 \$0 \$0 \$0 Budget by Expenditure Type Expense Type 2022 2023 2024 2025 2026 2027 Water Network 157,000 Total \$0 \$0 \$157,000 \$0 \$0 \$0 Explain any changes from the 2021 CIP in the proposed funding for this project. This is a new project for the 2022 CIP. Funds were reallocated from other areas so there wasn't a large change from the overall 2021 CIP budget. Explain any changes from the 2021 CIP in the proposed funding for this program. This is a new project for the 2022 CIP. Funds were reallocated from other areas so there wasn't a large change from the overall 2021 CIP budget. Priority & Justification Citywide Element Green and Resilient Strategy Protect Madison's water supply and infrastructure to provide safe clean drinking water. Describe how this project advances the Citywide Element: This program repairs/or replaces existing undersized or deteriorated water mains to meet established Utility Level-of-Service for water main infrastructure. What is the justification for this project? This project replaces existing failed and/or undersized water mains. The work is done in conjunction with other agencies to reduce the number of times the public is affected by the construction on major thoroughfares. **Racial Equity and Social Justice** We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Agency Requests

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2022 Capital Budget

need to	ew cycle track will greatly enha to minimize the number of dis What City agencies or comm or already working on issue Have we asked for their per incorporated their feedback How will we continue to con Have we used any data rela race, non-binary and transg those experiencing homeles	ruptions on thi nunity partner s related to th spectives direct ? mmunicate with ted to the proj	is street. MWU c rs are affected by is project/progra ctly and, if so, ho	costs are distr y, care about, am?	City En Associa develo This pro meeting	gineering, Do ation. This p p the project	entire utilit epartment o roject was f	y customer base. of Transportation, ully vetted throug	, Metro Transit and Ne gh a large number of st	ghborhood
need to	to minimize the number of dis What City agencies or comm or already working on issue Have we asked for their per incorporated their feedback How will we continue to con Have we used any data rela race, non-binary and transg	ruptions on thi nunity partner s related to th spectives direct ? mmunicate with ted to the proj	is street. MWU c rs are affected by is project/progra ctly and, if so, ho	costs are distr y, care about, am?	City En Associa develo This pro meeting	gineering, Do ation. This p p the project	entire utilit epartment o roject was f	y customer base. of Transportation, ully vetted throug	, Metro Transit and Ne gh a large number of st	ghborhood
	or already working on issue Have we asked for their per incorporated their feedback How will we continue to con Have we used any data rela race, non-binary and transg	s related to th spectives direc ? mmunicate wit ted to the proj	is project/progra	am?	City En Associa develo This pro meeting	p the project	roject was f	ully vetted throug	gh a large number of st	
	incorporated their feedback How will we continue to con Have we used any data rela race, non-binary and transg	ہ؟ mmunicate wi ted to the proj		ow have we	meeting			Corridor Study whi		
In the s	Have we used any data rela race, non-binary and transg	ted to the proj	th them in this p		at these	meetings.			ch included many public inf ject was revised mulitple ti	
to the court	race, non-binary and transg			process?	Public	Information	meeting, pr	oject website, Tw	itter, and Facebook.	
			people with dis	abilities,	○ ● ○	Yes No Some, no	t all			
	proposed budget or budget cl rance racial equity, inclusion, a	-				•			community need with	opportuniti
					0	Yes	۲	No		
	If so, please identify the res	pective group	and recommend	lation.						
oject	Schedule & Location	n								
	Can this project be mapped	?	💿 Yes  No							
	What is the location of the	project?	Martin Luther	King Jr Blvd to	o King St	reet				
	Is this project on the Projec	t's Portal?	🔾 Yes   💿 No							
	Status									
2022	Status/Phase		Est Cost	Description	1					
2022	Status/Phase		Est Cost	Descriptior	1					
	Status/Phase Status		Est Cost	Descriptior	1					
			Est Cost Est Cost	Description						
	Status									
2023	Status									
2023	Status Status/Phase				n					
2023	Status Status/Phase Status		Est Cost	Descriptio	n	ments				
2023	Status Status/Phase Status Status Status/Phase Status		Est Cost Est Cost 157000	Description Description Pipeline	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase		Est Cost Est Cost	Description	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase		Est Cost Est Cost 157000	Description Description Pipeline	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase Status Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase		Est Cost Est Cost 157000	Description Description Pipeline	n n Improve	ments				
2023 2024 2025 2026	Status Status/Phase Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
2023 2024 2025 2026	Status Status/Phase Status Status/Phase Status Status Status/Phase Status Status Status/Phase Status Status		Est Cost Est Cost 157000 Est Cost Est Cost	Descriptio	n Improve on	ments				
2023	Status Status/Phase									
2023	Status Status/Phase Status Status Status/Phase Status		Est Cost Est Cost 157000	Description Description Pipeline	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase Status Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
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2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase Status Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
2023	Status Status/Phase Status Status/Phase Status Status Status Status/Phase Status Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
2023	Status Status/Phase Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n n Improve	ments				
2023 2024 2025 2026	Status Status/Phase Status		Est Cost Est Cost 157000 Est Cost	Description Description Pipeline Description	n Improve on	ments				

## Non-Personnel

2022 Capital Budget

	Majo	r	Amount	Description
N	otes			
No	tes:			
				v1 03/15/2021