Agency : Water Utility

Agency Request by Item (All Funds)

	2020	2021	2022	2023	2024	2025
Water Utility Facility Improvements	592,000	492,000	884,000	522,000	539,000	555,000
Well 19 Iron and Manganese Filter	-	891,000	81,000	6,691,000	-	-
Unit Well 12 Conversion to a Two Zone Well	-	-	-	318,000	3,754,000	
Water Mains Replace Rehab Improve - Pipe Lining	200,000	709,000	2,042,000	2,401,000	2,301,000	2,184,000
Water Mains Replace Rehab Improve - Reconstruct Streets	1,933,000	4,643,000	2,568,000	1,543,000	4,121,000	1,583,000
Water Mains Replace Rehab Improve - Pavement Manageme	785,000	3,869,000	4,745,000	3,561,000	2,962,000	1,995,000
Well 14 Mitigation	-	-	82,000	16,000	16,000	16,000
Water Utility Vehicles & Equipment	767,000	731,000	655,000	669,000	690,000	705,000
Water Meter and Fixed Network Program	650,000	666,000	683,000	700,000	718,000	736,000
Unit Well Rehab Program	320,000	240,000	255,000	270,000	270,000	285,000
Water Hydrants Program	550,000	567,000	583,000	601,000	619,000	637,000
Chlorinators & Florinators Program	31,000	32,000	33,000	34,000	35,000	36,000
Water Valve Cut-In Program	15,000	16,000	16,000	17,000	17,000	18,000
Westside Water Supply	-	153,000	2,370,000	1,127,000	971,000	7,531,000
Unit Well #8 Reconstruction	-	-	-	-	-	87,000
Booster Pump Station #213 Lakeview Reconstruction	-	-	-	-	-	238,000
Booster Pump Station #128 Upgrade	-	-	-	92,000	440,000	
Unit Well #15	-	82,000	16,000	16,000	16,000	16,000
Water Mains - New	4,082,000	96,000	1,780,000	4,276,000	3,081,000	5,019,000
\$	9,925,000 \$	13,187,000 \$	16,793,000 \$	22,854,000 \$	20,550,000	\$ 21,641,000

Agency Request by Funding Source

Project	2020	2021	2022	2023	2024	2025
Reserves Applied - Water	2,333,000	2,252,000	2,225,000	2,291,000	2,349,000	2,417,000
Revenue Bonds-Water	7,592,000	10,935,000	14,568,000	20,563,000	18,201,000	19,224,000
Total	\$ 9,925,000	\$ 13,187,000	\$ 16,793,000	\$ 22,854,000	\$ 20,550,000	\$ 21,641,000
	Agen	cy Request by Fundir GO vs. Total Budge	•			
		GO VS. TOTAL Budge				
\$25,000,000						
\$20,000,000						
\$15,000,000						
\$10,000,000						
\$5,000,000						
\$-						
2020	2021	2022		2023	2024	2025
		Total Budget Excluding	GO			



Date: May 17, 2019

To: David Schmiedicke, Finance Department

From: Tom Heikkinen, Madison Water Utility

Subject: Madison Water Utility 2020 Capital Budget Requests

The Madison Water Utility 2020 capital budget reflects careful consideration of the Utility's revenue, cash reserve and debt ratio goals, and city growth in the face of an aging water distribution system. It results from a periodically updated long term Master Plan and Infrastructure Management Plan, as well as a continuing reassessment of our needs in light of changing conditions. The primary goal of our 2020 proposal 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. Using the techniques of asset management, we are placing emphasis on our most critical infrastructure assets and prioritizing work based on business case evaluations.

A change in budgeting practice in 2019 resulted in moving some expenses from the operating budget to the capital budget. These include the Utility's vehicle and equipment fleet and labor associated with our hydrant, meter, and well rehabilitation programs. With this in mind, our total capital funding request for 2020 is lower than we projected for 2020 in the 2019 capital budget submission.

The list below reflects how we believe that we can best meet this goal in accordance with the budget targets.

- 1. Water Mains New, Replacements, Rehab
- 2. Meter and Hydrant Programs
- 3. Vehicles and Equipment
- 4. Well Rehabilitation

I look forward to further discussing our proposal in the coming weeks.

Sincerely,

Tom Heikkinen General Manager Madison Water Utility

			20			Diam		
			20.		mprovement			
				Program E	Sudget Proposal			
dentifying Ir	nformatio	on						
Agency	Water Util	ity	 Project N 	lame w	ater Utility Facility Imp	rovements *		
roject Number	10440		Project T	ʻype Pr	ogram			
Project Category	Utility		Priority	9	¥			
2020 Munis Proj	ject Numbe	r 12425						
Description								
udget Inforn Prior Approp *Based on Fiscal Yo udget by Fundin	riation* /ears 2015-2018		\$4	355,928 Prior Ye	ear Actual*	\$2,753,82	25	
	ing Source		2020	2021	2022	2023	2024	2025
Revenue Bonds-	Water	•	592,000	492,000	884,000	522,000	539,000	555,000
Insert Funding Sourc	ce	Total	\$592,000	\$492,000	\$884,000	\$522,000	\$539,000	\$555,000
udget by Expend	diture Type							
Expe	ense Type		2020	2021	2022	2023	2024	2025
		v	429,000	439,000	830,000	467,000	482,000	497,000
Building						55,000		
0	Equipment	•	163,000	53,000	54,000	55,000	57,000	58,000
Machinery and E		▼ Total	163,000 \$592,000	53,000 \$492,000	54,000 \$884,000	\$522,000	57,000 \$539,000	58,000 \$555,000
Building Machinery and E Insert Expense Type Performance Metric Data So		Total Rating based o	\$592,000	\$492,000		\$522,000	\$539,000	\$555,000
Machinery and E Insert Expense Type erformance Metric Data So	burce	Total Rating based o MWU's Strateg Baseline Da	\$592,000 In established levels of se gic Asset Management Pro	\$492,000	\$884,000	\$522,000	\$539,000	\$555,000
Machinery and E Insert Expense Type erformance Metric Data So		Total Rating based of MWU's Strateg Baseline Da 2018 Actua	\$592,000 on established levels of se gic Asset Management Pro ata I 2019 Projecte	\$492,000	\$884,000	\$522,000	\$539,000	\$555,000

Project Schedule & Location

Project name	Est Cost	Location
SCADA System Upgrade and Expansion	\$23,000	Various Unit Wells and Booster Pump Stations
Backwash Control Upgrade	\$34,000	Unit Well #29
Chemical Feed Automation	\$14,000	Various Unit Wells and Booster Pump Stations
Booster Upgrade	\$69,000	Unit Well #9
Fiber Optic System Installation & Upgrade	\$22,000	Various Water Utility Sites
Flow Meter Installation	\$12,000	Unit Wells #11 and #13
Reservoir Pit Upgrade	\$20,000	Unit Well #20
Deep Well VFD Installations	\$103,000	Various Unit Wells and Booster Pump Stations
Miscellaneous Site Improvements	\$60,000	Various Water Utility Sites
Unexpected Unit Well and Booster Station Mechanical Failures	\$180,000	Various Unit Wells and Booster Pump Stations
Miscellaneous Facility Upgrades	\$55,000	Various Water Utility Sites

Insert item

Explain the justification for selecting projects planned for 2020:

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

2021 Projects

Project Name	Est Cost	Location
	\$24,000	Various Unit Wells and Booster Pump Stations
SCADA System Upgrade and Expansion		
	\$15,000	Various Unit Wells and Booster Pump Stations
Chemical Feed Automation		
	\$23,000	Various Water Utility Sites
Fiber Optic System Installation & Upgrade		
	\$38,000	Various Unit Wells and Booster Pump Stations
Deep Well VFD Installations		
	\$25,000	Various Water Utility Sites
Miscellaneous Site Improvements		
	\$260,000	Various Unit Wells and Booster Pump Stations
Unexpected Unit Well and Booster Station Mechanical Failures		
Facility Safety & Security Upgrades	\$50,000	Various Water Utility Sites
	\$57,000	Various Water Utility Sites
Miscellaneous Facility Upgrades		

Insert item

Explain the justification for selecting projects planned for 2021:

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

2022 Projects

44.444	
\$24,000	Various Unit Wells and Booster Pump Stations
\$15,000	Various Unit Wells and Booster Pump Stations
\$23,000	Various Water Utility Sites
\$39,000	Various Unit Wells and Booster Pump Stations
\$26,000	Various Water Utility Sites
\$268,000	Various Unit Wells and Booster Pump Stations
\$52,000	Various Water Utility Sites
\$60,000	Various Water Utility Sites
\$377,000	119 E Olin Ave - Heim Bldg.
	\$23,000 \$39,000 \$26,000 \$268,000 \$52,000 \$60,000

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

2023 Projects Project name	Est Cost	Location
	\$25,000	
	\$25,000	Various Unit Wells and Booster Pump Stations
SCADA System Upgrade and Expansion		
	\$15,000	Various Unit Wells and Booster Pump Stations
Chemical Feed Automation		
	\$24,000	Various Water Utility Sites
Silver Outin Custom Installation & Unanala	\$24,000	valious water officty sites
Fiber Optic System Installation & Upgrade		
	\$40,000	Various Unit Wells and Booster Pump Stations
Deep Well VFD Installations		
	\$27,000	Various Water Utility Sites
Miscellaneous Site Improvements	+,	
wiscenarieous site improvements		
	\$276,000	Various Unit Wells and Booster Pump Stations
Unexpected Unit Well and Booster Station Mechanical Failures		
	\$53,000	Various Water Utility Sites
Facility Safety & Security Upgrades		
	¢c2.000	
	\$62,000	Various Water Utility Sites
Miscellaneous Facility Upgrades		
Insert item		
xplain the justification for selecting projects planned		
rojects are decided by applying MWU's Asset Management prog	ram to the list of pot	ential projects.
024 Projects		
	Est Cost	Location
Project name		
	\$26,000	Various Unit Wells and Booster Pump Stations
SCADA System Upgrade and Expansion		
	\$16,000	Various Unit Wells and Booster Pump Stations
Chemical Feed Automation		
		Various Water Utility Sites
	\$25,000	Various water offices
Fiber Optic System Installation & Upgrade		
	\$41,000	Various Unit Wells and Booster Pump Stations
Deep Well VFD Installations		
	427.000	Various Water Utility Sites
	\$27,000	
Miscellaneous Site Improvements		
	\$284,000	Various Unit Wells and Booster Pump Stations
Unexpected Unit Well and Booster Station Mechanical Failures		
-	\$55,000	Various Water Utility Sites
	\$35,000	· · · · · · · · · · · · · · · · · · ·
Facility Safety & Security Upgrades		
	\$65,000	Various Water Utility Sites
Miscellaneous Facility Up grades		
Insert item		
xplain the justification for selecting projects planned	for 2024.	
Projects are decided by applying MWU's Asset Management prog		ential projects
rojects are decided by applying www s Asset wanagement prog	full to the list of pot	
2025 Projects		
Project name	Est Cost	Location
	\$27,000	Various Unit Wells and Booster Pump Stations
SCADA System Upgrade and Expansion	. ,	
strem = F0. = = and Expansion		
	\$16,000	
Chemical Feed Automation		Various Unit Wells and Booster Pump Stations
	\$25,000	
Fiber Optic System Installation & Upgrade		Various Water Utility Sites
	642.000	
	\$42,000	
Deep Well VFD Installations		Various Unit Wells and Booster Pump Stations
	\$28,000	
Miscellaneous Site Improvements		Various Water Utility Sites
·	6202 000	
	\$293,000	
Unexpected Unit Well and Booster Station Mechanical Failures		Various Unit Wells and Booster Pump Stations
	\$56,000	
Facility Cofety & Converts Lingrados		Various Water Utility Sites
racinity salety & security Oberades		· · · · · · · · · · · · · · · · · · ·
Facility Safety & Security Upgrades		
	\$68,000	
Miscellaneous Facility Upgrades	\$68,000	Various Water Utility Sites
Miscellaneous Facility Upgrades Insert item	-	Various Water Utility Sites
Miscellaneous Facility Upgrades	for 2025:	

Operating Costs

What are within th	e the estimated his program?	annual operating costs associated with the projects planned
Personne	el	
# of FTEs	Annual Cost	Description
Non-Pers	onnel	
Major	Amount	Description
🔄 Insert i	tem	
	Save	Submit
Notes		
NOLES		
lotes:		
		v. 5-22-201
Save and C	Close	

			202	20 Capital	Improvemen	t Plan		
				-	Budget Proposal			
dentifying Ir	nformatio	on						
Agency	Water Util	ity	 Project N 	lame	Well 19 Iron and Manga	anese Filter 🔻		
Project Number	10448		Project T		Project			
Project Category	/ Utility		Priority		12 🔻			
Description					at the Mandata Drive			
					at Lake Mendota Drive anganese, and radium of			
andards. Funding	g in 2024 is to	r construction.						
this project cu	rrently inclu	uded in the 20	19 CIP? Yes	•				
udget Inform			4					
otal Project Bud	get		\$8,629,000	Prior Approp	lation	\$966,000		
udget by Fundin	ng Source							
Fundi	ing Source		2020	2021	2022	2023	2024	2025
Revenue Bonds-	-	•	2020	891,000		6,691,000	2024	0
Neverine Bornus-	water	Total						
Insert Funding Source	ce		\$0	\$891,000	\$81,000	\$6,691,000	\$0	\$0
Insert Funding Source								
	diture Type							
udget by Expend	diture Type		2020	2021	2022	2023	2024	2025
udget by Expend		▼	2020 0	2021 891,000		2023 6,691,000	2024 0	2025
udget by Expend Expe Building	ense Type	v Total			81,000			
udget by Expend Expe Building	ense Type		0	891,000	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type	ense Type		0	891,000	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type erformance	ense Type	Total	0 \$0	891,000	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type erformance Metric	ense Type	Total Water quality sam	0 \$0 pling and testing.	891,000 \$891,000	81,000	6,691,000	0	0
Expense Expense Building Insert Expense Type erformance	ense Type	Total Water quality sam Routine Water Uti	0 \$0 pling and testing. lity sampling and testi	891,000 \$891,000	81,000	6,691,000	0	0
Expense Expense Building Insert Expense Type erformance Metric	ense Type	Total Water quality sam	0 \$0 pling and testing. lity sampling and testi Target	891,000 \$891,000 ng. t	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type Performance Metric	ense Type	Total Water quality sam Routine Water Uti Baseline	0 \$0 pling and testing. lity sampling and testi Target	891,000 \$891,000 ng. t	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type Performance Metric	ense Type	Total Water quality sam Routine Water Uti Baseline	0 \$0 pling and testing. lity sampling and testi Target	891,000 \$891,000 ng. t	81,000	6,691,000	0	0
udget by Expend Expe Building Insert Expense Type erformance Metric Data So	ense Type	Total Water quality sam Routine Water Uti Baseline	0 \$0 pling and testing. lity sampling and testi Target	891,000 \$891,000 ng. t	81,000	6,691,000	0	0
Expension Expension Building Insert Expense Type erformance Metric Data So riority Citywid	burce burce	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier	0 \$0 pling and testing. lity sampling and testi Target ia Iron: <0.1 mg/I	891,000 \$891,000 ng. t ; Man	81,000 \$81,000	6,691,000	0	0
erformance Data So riority Citywid Strateg	burce de Element	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's	0 \$0 pling and testing. lity sampling and testi Target ia Iron: <0.1 mg/l it water supply and infr	891,000 \$891,000 ng. t ; Man ▼	81,000	6,691,000	0	0
Expension Expension Euilding Insert Expense Type erformance Metric Data So riority Citywid Strateg Describ	burce de Element Sy be how this p	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject advances	0 \$0 lity sampling and testing. lity sampling and testing a Iron: <0.1 mg/l it water supply and infr the Citywide Elem	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0
erformance Metric Data So riority Citywid Strateg Describ	burce de Element Sy be how this p	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject advances	0 \$0 lity sampling and testing. lity sampling and testing a Iron: <0.1 mg/l it water supply and infr the Citywide Elem	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0
udget by Expend Expe Building Insert Expense Type Performance Metric Data So Priority Citywid Strateg Describ	burce de Element Sy be how this p	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject advances	0 \$0 lity sampling and testing. lity sampling and testing a Iron: <0.1 mg/l it water supply and infr the Citywide Elem	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0
udget by Expend Expe Building Insert Expense Type Performance Metric Data So Priority Citywid Strateg Describ Meeting	de Element y be how this p	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject advances	0 \$0 lity sampling and testing. lity sampling and testi Targe a Iron: <0.1 mg/l the Citywide Elenr ns and goals is essenti	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0
udget by Expend Expe Building Insert Expense Type Performance Metric Data So Priority Citywid Strateg Describ Meeting	ense Type ense Type burce de Element ty be how this p restablished wat	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject Advances ter quality regulatio	0 \$0 pling and testing. lity sampling and testi Target a Iron: <0.1 mg/I water supply and infr the Citywide Elerr ns and goals is essenti jject?	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0
Building Building Insert Expense Type Performance Metric Data So Priority Citywid Strateg Describ Meeting What i	ense Type ense Type burce de Element ty be how this p restablished wat	Total Water quality sam Routine Water Uti Baseline Iron: 0.22 mg/l; M Green and Resilier Protect Madison's roject advances ter quality regulatio	0 \$0 pling and testing. lity sampling and testi Target a Iron: <0.1 mg/I water supply and infr the Citywide Elerr ns and goals is essenti jject?	891,000 \$891,000 ng. t ; Man x astructure to provide eent:	81,000 \$81,000	6,691,000 \$6,691,000	0	0

	2020)	2021		2022	2023		2024	2025
Project Status	Planning	•	Schematic Design	۲	Design Completion	Construction	•	Construction Comple •	T
-	project be mapp he location of th				Yes No	D :			
					2526 Lake Mendota	Drive			
s this pro	oject on the Proj	ect's Portai	ſ		Yes Yes No				
_									
Opera	ting Costs								
What are	e the estimated a	nnual opera	ating costs associa	ited w	ith the project?		\$40,20	0	
Personne		Description	_						
# of FTEs	Annual Cost	Description	n						
.083	8,700	Facility is c	perated by existin	g pers	onnel.				
lan Dara	onnel								
Non-Pers									
Major	Amount	Description	n						
	<i>Amount</i> 6,500		n bower for chemical	l treat	ment.				
Major		Electrical p	oower for chemica	l treat	ment.				
Major		Electrical p		l treat	ment.				
<i>Major</i> 54	6,500	Electrical p	oower for chemica	l treat	ment.				
<i>Major</i> 54	6,500	Electrical p	oower for chemica	l treat	ment.				
Major 54 53 Insert it	6,500	Electrical p	oower for chemica	l treat		iubmit			
Major 54 53 Insert it	6,500 25,000	Electrical p	oower for chemica	l treat		submit			

							Su
		202		mprovement	Plan		
			Project Bu	idget Proposal			
dentifying Informati	on						
Sency Water Ut	ility	 Project Na 	ime Un	it Well 12 Conversion	to a Two Zone Well	7	
Project Number 10452		Project Ty		ject			
Project Category Utility		Priority	14	•			
Description							
his project funds rebuilding an hich represents the majority or design; funding in 2022 and	of the City's west si	ide. The system fle					
this project currently inc	luded in the 2019	9 CIP? Yes	▼				
udget Information							
otal Project Budget		\$4,072,000	Prior Appropria	tion	\$4,751,100		
		<i>, ,,,,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<i>y</i> 1 <i>,1</i> 51,100		
udget by Funding Source							
Funding Source		2020	2021	2022	2023	2024	2025
Revenue Bonds-Water	•	0	0	0	318,000	3,754,000	0
	Total	\$0	\$0	\$0	\$318,000	\$3,754,000	\$0
Insert Funding Source							
udget by Expenditure Type	2	2020	2021	2022	2023	2024	2025
udget by Expenditure Type Expense Type	Y	2020	2021	2022	2023 318,000	2024 3,754,000	2025
udget by Expenditure Type Expense Type		0	0	0	318,000	3,754,000	0
Udget by Expenditure Type Expense Type Building Insert Expense Type	•		1.1	1			
Expenditure Type Expense Type Building Insert Expense Type erformance	Total	0 \$0	0	0	318,000	3,754,000	0
udget by Expenditure Type Expense Type Building Insert Expense Type	Total Pumping transfer ca	0 \$0 pacity.	0	0	318,000	3,754,000	0
Expenditure Type Expense Type Building Insert Expense Type Performance Metric	Total	0 \$0 pacity.	0	0	318,000	3,754,000	0
udget by Expenditure Type Expense Type Building Insert Expense Type Performance Metric	Total Pumping transfer ca Water Utility operation	0 \$0 pacity. ional records. Target	0 \$0	0	318,000	3,754,000	0
udget by Expenditure Type Expense Type Building Insert Expense Type Performance Metric	Total Pumping transfer ca Water Utility operate Baseline	0 \$0 pacity. ional records. Target	0 \$0	0	318,000	3,754,000	0
Expenditure Type Expense Type Building Insert Expense Type erformance Metric Data Source	Total Pumping transfer ca Water Utility operate Baseline	0 \$0 pacity. ional records. Target	0 \$0	0	318,000	3,754,000	0
Expenditure Type Expense Type Building Insert Expense Type erformance Metric Data Source riority	Total Pumping transfer ca Water Utility operati Baseline 2017 run time- 6,9	0 \$0 pacity. ional records. Target . Run time - 5,600	0 \$0	0	318,000	3,754,000	0
Expenditure Type Expense Type Building Insert Expense Type erformance Metric Data Source	Total Pumping transfer ca Water Utility operate Baseline 2017 run time- 6,9 Green and Resilient	0 \$0 pacity. ional records. Target . Run time - 5,600	0 \$0 hrs;	0 \$0	318,000	3,754,000	0
Expenditure Type Expense Type Building Insert Expense Type Performance Metric Data Source Priority Citywide Element	Total Pumping transfer ca Water Utility operate Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's w	0 \$0 pacity. ional records. Target . Run time - 5,600	0 \$0 hrs; tructure to provide sa	0	318,000	3,754,000	0
Udget by Expenditure Type Expense Type Building Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy	Total Pumping transfer ca Water Utility operate Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's woroject advances the	0 \$0 \$0 pacity. ional records. Target . Run time - 5,600 rater supply and infrast	0 \$0 hrs; tructure to provide sa nt:	0 \$0	318,000	3,754,000	0
Building Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this	Total Pumping transfer ca Water Utility operate Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's woroject advances the	0 \$0 \$0 pacity. ional records. Target . Run time - 5,600 rater supply and infrast	0 \$0 hrs; tructure to provide sa nt:	0 \$0	318,000	3,754,000	0
Udget by Expenditure Type Expense Type Building Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this	Total Pumping transfer ca Water Utility operate Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's woroject advances the	0 \$0 \$0 pacity. ional records. Target . Run time - 5,600 rater supply and infrast	0 \$0 hrs; tructure to provide sa nt:	0 \$0	318,000	3,754,000	0
Expense Type Expense Type Building Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this j Operational flexibility a What is the justific	Total Pumping transfer ca Water Utility operati Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's w project advances th nd efficiency is essential cation for this project	0 \$0 \$0 pacity. ional records. Target . Run time - 5,600 rater supply and infrasi the Citywide Eleme al to renewing and ma	0 \$0 hrs; tructure to provide sa nt: iintaining critical infra	0 \$0 fe clean drinking water. structure.	318,000	3,754,000	0 \$0
udget by Expenditure Type Expense Type Building Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this j Operational flexibility a What is the justific	Total Pumping transfer ca Water Utility operati Baseline 2017 run time- 6,9 Green and Resilient Protect Madison's w project advances th nd efficiency is essential cation for this project	0 \$0 \$0 pacity. ional records. Target . Run time - 5,600 rater supply and infrasi the Citywide Eleme al to renewing and ma	0 \$0 hrs; tructure to provide sa nt: iintaining critical infra	0 \$0	318,000	3,754,000	0 \$0

		3		12/31/2025				
	2020)	2021	2022	2023		2024	2025
Project Status		T	•		 Planning 	•	Construction	▼ Construction Completi
latus								
-	project be mapp			Yes ONO				
What is t	he location of th	e project?		801 S Whitney W	ау			
s this pro	oject on the Proj	ect's Portal?		Yes ONO				
f so, ente	er the URL:			https://www.cityofmac	lison.com/water/projects/we	ll-12-reco	onstruction-and-whitney-	way-water-main-upgrades
Vhat are	the estimated a	nnual operatin	g costs associated v	vith the project?		\$21,00	0	
Personnel								
# of FTEs	Annual Cost	Description						
0	0							
Non-Perso	onnel							
Non-Perso <i>Major</i>	onnel Amount	Description						
		•	er needed for pump	ing.				
Major 54	<i>Amount</i> 21,000	•	er needed for pump	ing.				
Major	<i>Amount</i> 21,000	•	er needed for pump	ing.				
Major 54 Insert ite	<i>Amount</i> 21,000	•	er needed for pump	ing.	Submit			
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Major 54	<i>Amount</i> 21,000	•	er needed for pump	ing.	Submit			
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Major 54 Insert ite	<i>Amount</i> 21,000	•	er needed for pump	ing.	Submit			

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		202	20 Capital I	mprovement	t Plan		
			Program E	Budget Proposa	I		
de estifuire e lafe veret							
dentifying Informati	ION						
Agency Water Ut	tility	 Project N 	V	/ater Mains Replace Re	ehab Improve - Pipe	Lining 🔻	
Project Number 11892		Project T	ype Pr	ogram			
Project Category Utility		Priority	3	▼			
2020 Munis Project Numb	er 12476						
Description							
udget Information Prior Appropriation* *Based on Fiscal Years 2015-201 udget by Funding Source	18	\$	990,000 Prior Ye	ear Actual*	\$4,5	93	
					2022	2024	2025
Funding Source		2020	2021	2022	2023	2024	2025
-	T	2020 200,000	2021 709,000	2,042,000	2,401,000	2,301,000	2,184,000
Revenue Bonds-Water	v Total					-	
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type	Total	200,000 \$200,000	709,000 \$709,000	2,042,000 \$2,042,000	2,401,000 \$2,401,000	2,301,000 \$2,301,000	2,184,000 \$2,184,000
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type Expense Type	Total	200,000 \$200,000 2020	709,000 \$709,000 2021	2,042,000 \$2,042,000 2022	2,401,000 \$2,401,000 2023	2,301,000 \$2,301,000 2024	2,184,000 \$2,184,000 2025
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type Expense Type	Total e	200,000 \$200,000 2020 200,000	709,000 \$709,000 2021 709,000	2,042,000 \$2,042,000 2022 2,042,000	2,401,000 \$2,401,000 2023 2,401,000	2,301,000 \$2,301,000 2024 2,301,000	2,184,000 \$2,184,000 2025 2,184,000
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type Expense Type Water Network	Total	200,000 \$200,000 2020	709,000 \$709,000 2021	2,042,000 \$2,042,000 2022	2,401,000 \$2,401,000 2023	2,301,000 \$2,301,000 2024	2,184,000 \$2,184,000 2025
Revenue Bonds-Water Insert Funding Source Budget by Expenditure Type Expense Type Water Network Insert Expense Type Performance Metric Data Source	Total Cost to rehabil Water main re Baseline Da	200,000 \$200,000 200,000 \$200,000 \$200,000 \$200,000 \$200,000	709,000 \$709,000 2021 709,000 \$709,000 in relation to cost of w er-foot, Water Utility a	2,042,000 \$2,042,000 2022 2,042,000 \$2,042,000 \$2,042,000	2,401,000 \$2,401,000 2023 2,401,000 \$2,401,000	2,301,000 \$2,301,000 2024 2,301,000 \$2,301,000	2,184,000 \$2,184,000 2025 2,184,000
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type Expense Type Water Network Insert Expense Type Performance Metric Data Source 2017 Actual	Total Cost to rehabil Water main re Baseline Da 2018 Actua	200,000 \$200,000 200,000 \$200,0000 \$200,0000 \$200,0000 \$200,0000 \$200	709,000 \$709,000 2021 709,000 \$709,000 in relation to cost of w er-foot, Water Utility a d Targe	2,042,000 \$2,042,000 2022 2,042,000 \$2,042,000 \$2,042,000	2,401,000 \$2,401,000 2023 2,401,000 \$2,401,000	2,301,000 \$2,301,000 2024 2,301,000 \$2,301,000	2,184,000 \$2,184,000 2025 2,184,000
Revenue Bonds-Water Insert Funding Source udget by Expenditure Type Expense Type Water Network Insert Expense Type Performance Metric Data Source	Total Cost to rehabil Water main re Baseline Da 2018 Actua	200,000 \$200,000 200,000 \$200,0000 \$200,0000 \$200,0000 \$200,0000 \$200	709,000 \$709,000 \$709,000 2021 709,000 \$709,000 \$709,000 \$709,000 d Targe	2,042,000 \$2,042,000 2022 2,042,000 \$2,042,000 \$2,042,000	2,401,000 \$2,401,000 2023 2,401,000 \$2,401,000	2,301,000 \$2,301,000 2024 2,301,000 \$2,301,000	2,184,000 \$2,184,000 2025 2,184,000
Revenue Bonds-Water Insert Funding Source Udget by Expenditure Type Expense Type Water Network Insert Expense Type erformance Metric Data Source 2017 Actual 72%	Total	200,000 \$200,000 \$200,000 200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000 \$200,000	709,000 \$709,000 \$709,000 2021 709,000 \$709,000 \$709,000 \$709,000 d Targe V/A	2,042,000 \$2,042,000 2022 2,042,000 \$2,042,000 \$2,042,000	2,401,000 \$2,401,000 2023 2,401,000 \$2,401,000	2,301,000 \$2,301,000 2024 2,301,000 \$2,301,000	2,184,000 \$2,184,000 2025 2,184,000
Revenue Bonds-Water Insert Funding Source Udget by Expenditure Type Water Network Insert Expense Type Verformance Metric Data Source 2017 Actual 72% VriOrity Citywide Element Strategy	Total Cost to rehabil Water main re Baseline Da 2018 Actua Green and Res Protect Madisc	200,000 \$200,000 200,000 200,000 \$200,0	709,000 \$709,000 2021 709,000 \$709,000 \$709,000 in relation to cost of w er-foot, Water Utility a d Targe 4/A sstructure to provide s	2,042,000 \$2,042,000 2022 2,042,000 \$2,042,000 \$2,042,000	2,401,000 \$2,401,000 2023 2,401,000 \$2,401,000	2,301,000 \$2,301,000 2024 2,301,000 \$2,301,000	2,184,000 \$2,184,000 2025 2,184,000

2020 Proje				
MWI I Bypac	Pi ss Service Syste	roject name om - Phase 1	Est Cost	Location
		an - rilase 1	\$200,000	Trailer/Storage Racking and Bypass piping/Fittings
	e justificatio	n for selecting projects planne Main Rehabilitation' project include		water service system components and associated storage equipment.
2021 Proje	cts			
		roject Name	Est Cost	Location
	litation of Wate		\$526,000	Undistributed/Citywide - Locations under development
MWU Bypas	ss Service Syste	m - Phase 2	\$200,000	Trailer/Storage Racking and Bypass piping/Fittings
The proposed	e justification d 2021 'Water I emporary wate	n for selecting projects planne Main Rehabilitation' projects include r service system components and a:	e rehabilitating approxir	nately 3,100-FT of existing deteriorated water mains (specific project locations are currently under development), an ment.
		roject Name	Est Cost	Location
Mineral Poir	nt Rd, S Owen I	Dr, Keating Ter, Caromar Dr	\$441,000	Glenway-474'S of Owen, Mineral Point Rd-Keating Ter to Owen-Caromar, Keating-Tokay
CIPP Rehabi	litation of Wate	er Mains 2022	\$1,401,000	Undistributed/Citywide - Locations under development
MWU Bypas	ss Service Syste	m - Phase 3	\$200,000	Trailer/Storage Racking and Bypass piping/Fittings
The proposed funding for te	e justification d 2022 'Water I emporary wate	n for selecting projects planne Main Rehabilitation' projects include r service system components and as	e rehabilitating approxir	nately 10,400-FT of existing deteriorated water mains (specific project locations are currently under development), a ment.
2023 Proje		roject name	Est Cost	Location
CIPP Rehabi	litation of Wate	•	\$2,201,000	Undistributed/Citywide - Locations under development
MWU Bypas	ss Service Syste	m - Phase 4	\$200,000	Trailer/Storage Racking and Bypass piping/Fittings
Insert iter	m			
CIPP Rehabi	Pilitation of Wate	roject name er Mains 2024	<i>Est Cost</i> \$2,101,000	Location Undistributed/Citywide - Locations under development
	ss Service Syste	m Dhaco E		Trailer/Storage Racking and Bypass piping/Fittings
Insert iter			\$200,000	
Explain the The proposed	e justification d 2024 'Water I emporary wate	n for selecting projects planne Main Rehabilitation' projects include r service system components and a:	e rehabilitating approxir	nately 11,000-FT of existing deteriorated water mains (specific project locations are currently under development), a ment.
2025 Proje		roject name	Est Cost	Location
CIPP Rehabi	litation of Wate		\$1,984,000	Undistributed/Citywide - Locations under development
MWU Bypas	ss Service Syste	m - Phase 6	\$200,000	Trailer/Storage Racking and Bypass piping/Fittings
Insert iter	m			
Explain the The proposed	e justificatio d 2025 'Water I	n for selecting projects planne Main Rehabilitation' projects include or service system components and a:	e rehabilitating approxir	nately 10,000-FT of existing deteriorated water mains (specific project locations are currently under development), a ment.
perating hat are the thin this pr rsonnel	e estimated a	annual operating costs associa	ated with the proje	cts planned
# of Al FTEs	nnual Cost	Description		
on-Personn	el			
Major	Amount	Description		
Insert item				

Capital Budget Requests - 2019-05-16T16_25_58

Save	Submit	
Notes		
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Save and Close		v. 5-22-2019

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			202	latigs 0	Improvement	t Plan		-
				-	Budget Proposa			
						-		
dentifying In	nformati	on						
gency	Water Ut	ility	 Project Na 	ame V	Water Mains Replace Re	ehab Improve - Recor	nstruct Streets 🔻	
roject Number	11893		Project Ty	r pe P	rogram			
roject Category	Utility		Priority	1	1 🔻			
020 Munis Proje	ect Numbe	er 12429						
escription								
econstruction stree	ets projects				the system. Funding wa			
udget Inform Prior Appropr			\$7.8	318,080 Prior Y	/ear Actual*	\$7,365,1	34	
*Based on Fiscal Ye	ears 2015-201	8						
inget by Funding	g Source							
	ng Source		2020	2021	2022	2023	2024	2025
Fundii	ng Source	▼	2020 1,933,000	2021 4,643,000	2022 2,568,000	2023 1,543,000	2024 4,121,000	2025 1,583,000
Fundin Revenue Bonds-\	ng Source Water	v Total						
Fundin Revenue Bonds-\ Insert Funding Source	ng Source Water	Total	1,933,000	4,643,000	2,568,000	1,543,000	4,121,000	1,583,000
Fundin Revenue Bonds-\ Insert Funding Source udget by Expend	ng Source Water	Total	1,933,000	4,643,000	2,568,000	1,543,000	4,121,000	1,583,000
Fundin Revenue Bonds-\ Insert Funding Source Idget by Expend Expen	ng Source Water e liture Type	Total	1,933,000 \$1,933,000	4,643,000 \$4,643,000	2,568,000 \$2,568,000	1,543,000 \$1,543,000	4,121,000 \$4,121,000	1,583,000 \$1,583,000
Fundin Revenue Bonds-V Insert Funding Source Indget by Expend Expen Nater Network	ng Source Water e liture Type	Total	1,933,000 \$1,933,000 2020	4,643,000 \$4,643,000 2021	2,568,000 \$2,568,000 2022	1,543,000 \$1,543,000 2023	4,121,000 \$4,121,000 2024	1,583,000 \$1,583,000 2025
Fundin Revenue Bonds-V Insert Funding Source udget by Expend Expen Water Network Insert Expense Type erformance Metric	e Iiture Type	Total 2 Total	1,933,000 \$1,933,000 2020 1,933,000	4,643,000 \$4,643,000 2021 4,643,000 \$4,643,000	2,568,000 \$2,568,000 2022 2,568,000 \$2,568,000	1,543,000 \$1,543,000 2023 1,543,000	4,121,000 \$4,121,000 2024 4,121,000	1,583,000 \$1,583,000 2025 1,583,000
Revenue Bonds-\ Insert Funding Source udget by Expend Expend Water Network Insert Expense Type erformance	e Iiture Type	Total Total Length of water Madison Water	1,933,000 \$1,933,000 2020 1,933,000 \$1,933,000 \$1,933,000 wain replacement per ex Utility water main break/	4,643,000 \$4,643,000 2021 4,643,000 \$4,643,000	2,568,000 \$2,568,000 2022 2,568,000 \$2,568,000	1,543,000 \$1,543,000 2023 1,543,000 \$1,543,000	4,121,000 \$4,121,000 2024 4,121,000 \$4,121,000	1,583,000 \$1,583,000 2025 1,583,000
Fundin Revenue Bonds-V Insert Funding Source udget by Expend Expen Water Network Insert Expense Type erformance Metric Data Sou	water Water e liture Type	Total Total Length of water Madison Water Baseline Dat	1,933,000 \$1,933,000 2020 1,933,000 \$1,933,000 \$1,933,000 Utility water main break/	4,643,000 \$4,643,000 2021 4,643,000 \$4,643,000 isting water main br leak reports and ann	2,568,000 \$2,568,000 2022 2,568,000 \$2,568,000 \$2,568,000 \$2,568,000	1,543,000 \$1,543,000 2023 1,543,000 \$1,543,000	4,121,000 \$4,121,000 2024 4,121,000 \$4,121,000	1,583,000 \$1,583,000 2025 1,583,000
Fundin Revenue Bonds-V Insert Funding Source udget by Expend Expen Water Network Insert Expense Type erformance Metric Data Sou	e liture Type urce	Total Total Length of water Madison Water Baseline Dat 2018 Actual	1,933,000 \$1,933,000 \$1,933,000 1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$1,933,000 \$2000 \$1,933,000 \$1,933,000 \$2000	4,643,000 \$4,643,000 2021 4,643,000 \$4,643,000 \$4,643,000 isting water main br leak reports and anr Leak reports and anr	2,568,000 \$2,568,000 2022 2,568,000 \$2,568,000 \$2,568,000 reak eliminated. nual as-built construction re	1,543,000 \$1,543,000 2023 1,543,000 \$1,543,000	4,121,000 \$4,121,000 2024 4,121,000 \$4,121,000	1,583,000 \$1,583,000 2025 1,583,000
Fundin Revenue Bonds-V Insert Funding Source udget by Expend Expend Water Network Insert Expense Type erformance Metric Data Sou 2017	e Water Water iture Type inse Type urce Y Actual 371 ft e Element	Total Total Center of water Madison Water Baseline Dat 2018 Actual 206 Green and Resili	1,933,000 \$1,933,000 \$1,933,000 1,933,000 \$2,000 \$2,000 \$1,933,000 \$2,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$	4,643,000 \$4,643,000 2021 4,643,000 \$4,643,000 \$4,643,000 isting water main br leak reports and anr ft ft	2,568,000 \$2,568,000 2022 2,568,000 \$2,568,000 \$2,568,000 \$2,568,000	1,543,000 \$1,543,000 2023 1,543,000 \$1,543,000	4,121,000 \$4,121,000 2024 4,121,000 \$4,121,000	1,583,000 \$1,583,000 2025 1,583,000

Project name	Est Cost	Location
West Town Path (Gammon Rd, S)	\$147,000	Gammon Underpass to Commerce to Junction Road
Gregory St, Cross St, Copeland St, Western Ave	\$311,000	Gregory St to Monroe St
Dunning St, Jackson St, LaFollete Ave	\$78,000	RR-Atwood, RR-St Paul, Division-Ohio to Division-Ohio
Rethke Ave	\$78,000	E Washington to Commercial Ave
Dean Ave, Allis Ave, Tyler Cir, Seth Cir	\$1,304,000	Monona Dr to Turner Ave
Rockstream Dr & Ditch Culvert	\$15,000	New Roads - Coordination w/ Developer

Insert item

Explain the justification for selecting projects planned for 2020:

The proposed 2020 'Water Mains Replace/Rehab/Improve – Reconstruct 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.

2021 Projects		
Project Name	Est Cost	Location
Martin Luther King Jr Blvd (w Outer Loop South?)	\$81,000	Main St to Wilson St
Outer Capital Loop South (w MLK JR Blvd?)	\$139,000	Martin Luther King Jr Blvd to S Webster St
University Ave	\$1,420,000	Shorewood Blvd to Campus Dr
Elmside Blvd, Sommers Ave, Center Ave	\$81,000	Atwood Ave-Oakridge Ave, Miller St-Elmside Blvd, to Miller Ave-Maple Ave
Hillcrest Dr, Standish Ct, Alden Dr	\$678,000	Westmorland Blvd-Larkin St to Alden Dr, Standish Ct to dead end
Davies St, Major Ave, Dempsey Rd, Maher Ave	\$1,291,000	Buckeye Rd-Maher Ave to 150 ft N of Davidson-Maher Ave, Lake Edge Blvd-Dempsey Rd
MacArthur Rd, Larson Ct, Sycamore Ave, MacArthur Ct	\$81,000	E Washington Ave to Ends of all streets
Lake View Ave, Hanover St, West Ln, East Ln	\$872,000	Esch Ln-N Sherman Ave to Drewry Ln-Lakeview Ave

Insert item

Explain the justification for selecting projects planned for 2021:

The proposed 2021 'Water Mains Replace/Rehab/Improve – Reconstruct 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.

Project Name	Est Cost	Location
Blair/John Nolen Intersection	\$84,000	S Franklin St to Blount St
Blair St South	\$84,000	E Washington Ave to Williamson St
Wilson St East	\$268,000	Martin Luther King Jr Blvd to King St
LaFollette Ave, Ohio Ave, Talmadge St	\$135,000	Ohio Ave-Waubesa St to RR-Bashford Ave, RR-St Paul Ave
Sommers Av, Center Av, Willard Av, Hudson Av, Miller Av	\$84,000	Hudson-Miller, H-M, Ohio-Elmside to Atwood-Oakride, Atwood-Willard
Felland Rd	\$1,006,000	Lien Rd to Autumn Lake Pkwy
Davies, Drexel, Monona Ct	\$672,000	Major-Maher, Lake Edge-Davies to Major-Maher
Pontiac Trl, Nakomis Ct, Rosewood Cir, Boston Ct	\$151,000	Boston Ct to Jewel Ct
Crestview, Groveland, Dixie, Herro	\$84,000	Groveland Ter to Herro Ln

Capital Budget Requests - 2019-05-13T10_55_05

The proposed 2022 'Water Mains Replace/Rehab/Improve – Reconstruct 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.

2023 Projects

Project name	Est Cost	Location
Farwell St, South Ct, North Ct	\$349,000	Milwaukee St-RR, Farwell-Corry to Farwell-Corry
Yahara Pl, Walton Pl, Russell St	\$87,000	Walton-Dunning to Rutledge St-Yahara Pl
Evergreen Ave, Center Ave, Willard Ave, Ohio Ave	\$87,000	Center-Oakridge, Dunning-Hudson to Evergreen-Ohio, Center-Willard
Gary St	\$87,000	Dempsey Rd to Elinor St
Doncaster Dr, Beverly Rd, Danbury St	\$94,000	Danbury St-Seminole Hwy, Whenona Dr-Seminole Hwy to Doncaster Dr-Mohawk Dr
Maher Ave	\$839,000	Buckeye Rd to Davies St

Insert item

Explain the justification for selecting projects planned for 2023:

The proposed 2023 'Water Mains Replace/Rehab/Improve – Reconstruct 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
Atwood Ave	\$816,000	Fair Oaks Ave to Walter St
Atwood Ave	\$816,000	Walter St to Cottage Grove Rd
John Nolen Dr	\$91,000	North Shore Dr to E Olin Ave
Helena St, Russell St, Jenifer St	\$291,000	Walton-450'S of Division to Winnebago-Jenifer, Walton-Division
Evergreen Ave, Ohio Ave, Sommers Ave	\$99,000	Atwood-Center to Dunning-Hudson
Valley View	\$1,917,000	South Point Rd to Boyer (west end)
Maher Ave, Douglas Trl	\$91,000	Tompkins-Pflaum to Joylynne-Camden

Insert item

Explain the justification for selecting projects planned for 2024:

The proposed 2024 'Water Mains Replace/Rehab/Improve – Reconstruct 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.

2025 Projects

Project name	Est Cost	Location
Birge Ter	\$94,000	University Ave to Birge Ter
Sherman Ave, McGuire St	\$94,000	McGuire St-N Sherman Ave to Sherman Ave-Fordem Ave
Hermina St, Union St	\$94,000	N Marquette St to Clyde-Gallagher Ave
Shawnee Pass	\$55,000	Nakoma Rd to Cherokee Dr
Valley View	\$1,246,000	Pioneer Rd to South Point Rd

Insert item

Explain the justification for selecting projects planned for 2025:

The proposed 2025 'Water Mains Replace/Rehab/Improve – Reconstruct 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		
# of FTEs	Annual Cost	Description
Non-Perse	onnel	
Major	Amount	Description
Insert it	em	
	Save	Submit
Notes		
Notes:		
		v. 5-22-201
Save and Cl	ose	

			202		Improvemen Budget Proposa			
Identifying	Informatic	on						
Agency	Water Utili	ity	 Project N 	lame v	Vater Mains Replace Re	hab Improve - Paver	ment Management	7
Project Numbe	r 11894		Project T	ype Pi	rogram			
Project Catego	'y Utility		Priority	2	T			
2020 Munis Pr	piect Number	r 12430						
Description					of roads as part of the (
Prior Appro *Based on Fisca udget by Fund	Years 2015-2018		\$11,	,081,083 Prior Y	ear Actual*	\$11,252,1	76	
	ding Source		2020	2021	2022	2023	2024	2025
Fun	ang source							
Fun Revenue Bond	-	T	785,000	3,869,000	4,745,000	3,561,000	2,962,000	1,995,000
Revenue Bond	s-Water	▼ Total	785,000 \$785,000	3,869,000 \$3,869,000	4,745,000 \$4,745,000	3,561,000 \$3,561,000	2,962,000 \$2,962,000	1,995,000 \$1,995,000
Revenue Bond	s-Water		-				•	
Revenue Bond	s-Water		-				•	
Revenue Bond	s-Water arce aditure Type pense Type		\$785,000	\$3,869,000	\$4,745,000	\$3,561,000	\$2,962,000	\$1,995,000
Revenue Bond	nrce nditure Type pense Type	Total	\$785,000 2020	\$3,869,000 2021	\$4,745,000 2022	\$3,561,000 2023	\$2,962,000 2024	\$1,995,000 2025
Revenue Bond	nditure Type	Total Total Length of water Madison Water	\$785,000 2020 785,000 \$785,000 wain replacement per e Utility water main break	\$3,869,000 2021 3,869,000 \$3,869,000 \$3,869,000	\$4,745,000 2022 4,745,000 \$4,745,000	\$3,561,000 2023 3,561,000 \$3,561,000	\$2,962,000 2024 2,962,000 \$2,962,000	\$1,995,000 2025 1,995,000
Revenue Bond	nditure Type	Total Total Length of water	\$785,000 2020 785,000 \$785,000 wain replacement per e Utility water main break	\$3,869,000 2021 3,869,000 \$3,869,000 \$3,869,000	\$4,745,000 2022 4,745,000 \$4,745,000 \$4,745,000 additional eak eliminated. uual as-built construction re	\$3,561,000 2023 3,561,000 \$3,561,000	\$2,962,000 2024 2,962,000 \$2,962,000	\$1,995,000 2025 1,995,000
Revenue Bond	s-Water ince inditure Type pense Type c c Source	Total Total Length of water Madison Water Baseline Dat	\$785,000 2020 785,000 \$785,000 \$785,000 Utility water main break ta 2019 Projected	\$3,869,000 2021 3,869,000 \$3,869,000 \$3,869,000 existing water main br	\$4,745,000 2022 4,745,000 \$4,745,000 \$4,745,000 additional eak eliminated. uual as-built construction re	\$3,561,000 2023 3,561,000 \$3,561,000	\$2,962,000 2024 2,962,000 \$2,962,000	\$1,995,000 2025 1,995,000
Revenue Bond	s-Water moditure Type pense Type c be c c c c c c c c c c c c c	Total Total Length of water Madison Water Baseline Dat 2018 Actual Constrained Green and Resil Protect Madison	\$785,000 2020 785,000 \$785,000 \$785,000 Utility water main break ta 2019 Projecter 5 ft 255	\$3,869,000 2021 3,869,000 \$3,869,000 \$3,869,000 existing water main br (/leak reports and ann d Targe 0 ft v astructure to provide	\$4,745,000 2022 4,745,000 \$4,745,000 eak eliminated. uual as-built construction re	\$3,561,000 2023 3,561,000 \$3,561,000	\$2,962,000 2024 2,962,000 \$2,962,000	\$1,995,000 2025 1,995,000

2020 Projects

Project name	Est Cost	Location
S Brooks St	\$62,000	Regent St to Chandler St
Hathaway Dr, Strathmore Ln, Greenwich Dr, Devon Ct, Davenport Dr, Glenbrook Cir	\$109,000	Devon St to Glenbrook Cir
Spaanem Unit Well Zone 6 Integration	\$342,000	Allis Ave to Buckeye Rd
2020 Hydraulic Improvements - Replace Water Mains	\$272,000	Undistributed Citywide - Locations under development

Insert item

Explain the justification for selecting projects planned for 2020:

The proposed 2020 'Water Mains Replace/Rehab/Improve – Pavement Management' 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, provide service redundancy and integrate inter-zone water transfer capabilities between existing pressure zones.

Project Name	Est Cost	Location
	\$96,000	Old Middleton Rd-Capital Ave to University Ave-S End
Old Middleton Rd, Craig Ave		
	\$81,000	200" E of Superior to Packers Ave Service Rd
Commercial Avenue		
	\$274,000	Regent St to University Ave
N Franklin Avenue		
	\$161,000	Steensland Dr-Logan St to Hooker Ave-N Sherman Ave
Hooker Ave, Sheridan Dr, Steensland Dr		
	\$81,000	E Washington Ave-N End to 200' W of Melvin-W End
Melvin Ct, Ridgeway Ave		
	\$81,000	Regent-Spring, Park-Mills
N Brooks St, Fahrenbrook Ct, College Ct		
	\$81,000	550' S of Midland to Appleton RD
South St, W Wingra Dr		
Hammersley Road	\$711,000	Reetz Rd to Brookwood Rd
	\$2,303,000	Undistributed Citywide - Locations under development
2021 Hydraulic Improvements - Replace Water Mains		

Insert item

Explain the justification for selecting projects planned for 2021:

The proposed 2021 'Water Mains Replace/Rehab/Improve – Pavement Management' 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.

2022 Projects

Project Name	Est Cost	Location
Starker Avenue	\$840,000	Woodvale Dr to Droster Rd
	\$84,000	Hillview Ter-Tokay Blvd to Hilltop Dr-S Segoe Rd
Edward St, Hillview Ter		
	\$84,000	Jewel Ct-Heritage Cir to Hammersley-N End
Hammersley Rd, Heritage Cir, Jewel Ct		
	\$84,000	Mohawk Dr-S End to Seminole Hwy-Doncaster Dr
Mohawk Cir, Mohawk Dr		
	\$84,000	Ozark Trl to Shenandoah Way
Ozark Trl, Antietam Ln, Shenadodoah Way, Jetty Dr, Natchez Trace		
Price Pl, Vernon Blvd	\$84,000	Regent St-N End to N Segoe Rd-N Midvale Blvd
	\$67,000	Barron Ct to Dead End
Buffalo Trl, Barron Ct, Green Lake Pass		
	\$655,000	Raymond Rd to Kroncke Dr
Gilbert Road		
	\$504,000	S Whitney Way-Tanager to Kroncke Dr-N End
Kroncke Dr, Lanett Cir		
	\$486,000	Regent St-University Ave to N Segoe Rd-N Whitney Way
N Segoe Rd, Sheboygan Ave		
	\$1,773,000	Undistributed Citywide - Locations under development

Explain the justification for selecting projects planned for 2022:

Capital Budget Requests - 2019-05-15T16_59_09

71173 Dr				
.02311	rojects P	roject name	Est Cost	Location
2023 Hy		ents - Replace Water Mains	\$3,561,000	Undistributed Citywide - Locations under development
Insert		n for selecting projects plann	ad fax 2022.	
				blace existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction lic improvement projects remain under development.
024 Pr	rojects			
	-	roject name	Est Cost	Location
2024 Hy	ydraulic Improveme	ents - Replace Water Mains	\$2,962,000	Undistributed Citywide - Locations under development
Insert	t item			
025 Pr	rojects	zoiet euro	Ech C 4	
2025 Hu		roject name ents - Replace Water Mains	Est Cost	Location
2023 119			\$1,995,000	
kplain ne 2025	t item the justificatio 5 'Water Mains Rep	n for selecting projects plann lace/Rehab/Improve – Pavement N	Aanagement' projects rep	Undistributed Citywide - Locations under development place existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction lic improvement projects remain under development.
xplain he 2025 ssociate	t item the justificatio 5 'Water Mains Rep ed roadway constru- ting Costs	n for selecting projects plann lace/Rehab/Improve – Pavement N	Λanagement' projects rej	place existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction lic improvement projects remain under development.
xplain he 2025 ssociate Derat at are hin thi	t item the justification 5 Water Mains Rep ed roadway constru- ting Costs the estimated a is program?	n for selecting projects plann lace/Rehab/Improve – Pavement N ction projects, and improve system	Λanagement' projects rej	place existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction lic improvement projects remain under development.
xplain he 2025 ssociate Derat at are hin thi sonnel	t item the justification 5 Water Mains Rep ed roadway constru- ting Costs the estimated a is program?	n for selecting projects plann lace/Rehab/Improve – Pavement N ction projects, and improve system	Λanagement' projects rej	place existing failed and/or undersized water mains, provide minor valve and hydrant improvements in conjunction lic improvement projects remain under development.
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Save and Close

		20	20 Capital II	mprovement	Plan		
			Project Bu	idget Proposal			
Identifying Information	on						
Agency Water Uti	lity	 Project I 	Name	ell 14 Mitigation 🔻			
Project Number 11900		Project 1	Type Pro	ject			
Project Category Utility		Priority	19	▼			
Description This project funds improvement Avenue and the surrounding ne	ighborhoods, chlo						
udget by Finance Committee #	15.						
s this project currently incl	uded in the 201	9 CIP? Yes	•				
Budget Information otal Project Budget		\$130,000	Prior Appropria	tion	ćo		
Starrioject Budget		\$130,000			\$0		
udget by Funding Source							
Funding Source		2020	2021	2022	2023	2024	2025
Revenue Bonds-Water	▼	0	0	82,000	16,000	16,000	16,000
					\$16,000	\$16,000	\$16,000
	Total	\$0	\$0	\$82,000	\$10,000	\$10,000	\$10,000
Insert Funding Source	Total	\$0	\$0	\$82,000	\$16,000	\$10,000	\$10,000
Insert Funding Source		\$0	\$0	\$82,000	\$16,000	\$10,000	\$10,000
Insert Funding Source		\$0 2020	\$0 2021	\$82,000	\$16,000 2023	2024	2025
Insert Funding Source udget by Expenditure Type Expense Type							
Insert Funding Source udget by Expenditure Type Expense Type				2022	2023	2024	2025
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment	▼	2020	2021	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type <i>Expense Type</i> Machinery and Equipment Insert Expense Type	▼	2020	2021	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type <i>Expense Type</i> Machinery and Equipment Insert Expense Type Performance	v Total	2020 \$0	2021	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type <i>Expense Type</i> Machinery and Equipment Insert Expense Type	Total Routine water sam	2020 \$0	2021	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type <i>Expense Type</i> Machinery and Equipment Insert Expense Type Performance Metric	v Total	2020 \$0	2021 \$0	2022 82,000	2023 16,000	2024 16,000	2025 16,000
I Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment I Insert Expense Type Performance Metric	Total Routine water sam Water sampling res	2020 \$0 pling and testing. sults. Targe	2021 \$0	2022 82,000	2023 16,000	2024 16,000	2025 16,000
I Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment I Insert Expense Type Performance Metric	Total Routine water sam Water sampling res Baseline	2020 \$0 pling and testing. sults. Targe	2021 \$0	2022 82,000	2023 16,000	2024 16,000	2025 16,000
I Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment I Insert Expense Type Performance Metric Data Source	Total Routine water sam Water sampling res Baseline	2020 \$0 pling and testing. sults. Targe	2021 \$0	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric Data Source	Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l	2020 \$0 pling and testing. sults. Targe : Chloride: < 250	2021 \$0 t	2022 82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric Data Source Priority Citywide Element	v Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient	2020 \$0 pling and testing. sults. Targe Chloride: < 250	2021 \$0 t 0 mg/l;	2022 82,000 \$82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy	v Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient Protect Madison's to	2020 \$0 \$0 pling and testing. iults. Targe : Chloride: < 250 t water supply and infr	2021 \$0 t t 0 mg/l; v rastructure to provide sa	2022 82,000 \$82,000	2023 16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type erformance Metric Data Source riority Citywide Element Strategy Describe how this p	V Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient Protect Madison's w roject advances t	2020 \$0 \$0 pling and testing. sults. Targe : Chloride: < 250 t water supply and infr he Citywide Elen	2021 \$0 t 0 mg/l; v rastructure to provide sa nent:	2022 82,000 \$82,000	2023 16,000 \$16,000	2024 16,000	2025 16,000
Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this p	V Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient Protect Madison's w roject advances t	2020 \$0 \$0 pling and testing. sults. Targe : Chloride: < 250 t water supply and infr he Citywide Elen	2021 \$0 t 0 mg/l; v rastructure to provide sa nent:	2022 82,000 \$82,000	2023 16,000 \$16,000	2024 16,000	2025 16,000
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Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this p Meeting established wa What is the justifica	Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient Protect Madison's v roject advances t ter quality goals is es ation for this proj	2020 \$0 \$0 pling and testing. sults. Targe : Chloride: < 250 t water supply and infr he Citywide Elen sential to a public water sential to a public water	2021 \$0 t t 0 mg/l; v rastructure to provide sa nent: ater supply and to maint	2022 82,000 \$82,000 fe clean drinking water. aining critical infrastructur	2023 16,000 \$16,000 e.	2024 16,000 \$16,000	2025 16,000
I Insert Funding Source Expense Type Machinery and Equipment I Insert Expense Type Performance Metric Data Source Priority Citywide Element Strategy Describe how this p Meeting established wa What is the justifica	Total Routine water sam Water sampling res Baseline Chloride: 150 mg/l Green and Resilient Protect Madison's v roject advances t ter quality goals is es ation for this proj	2020 \$0 \$0 pling and testing. sults. Targe : Chloride: < 250 t water supply and infr he Citywide Elen sential to a public water sential to a public water	2021 \$0 t t 0 mg/l; v rastructure to provide sa nent: ater supply and to maint	2022 82,000 \$82,000	2023 16,000 \$16,000 e.	2024 16,000 \$16,000	2025 16,000

	2020	0	2021	2022	2023	2024	2025			
oject atus		▼	•	Planning	 Schematic Design 	Schematic Design	 Schematic Design 			
	project be mapp			Yes ONO						
/hat is t	he location of th	e project?		5130 University Avenue						
	this project on the Project's Portal? so, enter the URL:			● Yes ○ No						
30, ent				https://www.cityonna	dison.com/water/projects/road-salt-	study-at-weii-14				
	ting Costs the estimated a	annual operatin	g costs associated	with the project?	\$250,0	00				
ersonne	I									
# of FTEs	Annual Cost	Description								
0.5	52,000	Maintaining a	nd cleaning RO me	mbranes.						
on-Pers	onnel									
		Description								
Major	Amount	Description								
<i>Major</i> 54	<i>Amount</i> 65,000		ctrical power need	ed for pumping.						
				ed for pumping.						
54	65,000	Additional ele	ent cleaning.	ed for pumping. Dosal in public sewer.						
54 54	65,000 58,000 75,000	Additional ele	ent cleaning.							
54 54 54 Insert it	65,000 58,000 75,000	Additional ele	ent cleaning.		Submit					
54 54 54 Insert it	65,000 58,000 75,000 em	Additional ele	ent cleaning.		Submit					
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54 54 54 Insert it	65,000 58,000 75,000 em	Additional ele	ent cleaning.		Submit					

		2020	Capital In	nprovement	Plan		
			Program Bu	dget Proposal			
lantifuing Informat	ion						
dentifying Informat	ion						
Agency Water U	tility •	-	vval	er Utility Vehicles & I	Equipment 🔻		
Project Number 12339		Project Type	e Prog	ram			
Project Category Utility		Priority	6	T			
2020 Munis Project Numb	12423						
Description							
Idget Information Prior Appropriation* *Based on Fiscal Years 2015-20:	18		Prior Yea	r Actual*			
		2020	2021	2022	2023	2024	2025
Funding Source	•	2020 767,000	2021 731,000	2022 655,000	2023 669,000	2024 690,000	2025 705,000
Funding Source Reserves Applied - Water	v Total						
Funding Source Reserves Applied - Water Insert Funding Source	Total	767,000	731,000	655,000	669,000	690,000	705,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Expense Type	Total	767,000 \$767,000	731,000 \$731,000	655,000 \$655,000	669,000 \$669,000	690,000 \$690,000	705,000 \$705,000
Funding Source Reserves Applied - Water Insert Funding Source Idget by Expenditure Type Expense Type Machinery and Equipment	Total	767,000 \$767,000 2020	731,000 \$731,000 2021	655,000 \$655,000 2022	669,000 \$669,000 2023	690,000 \$690,000 2024	705,000 \$705,000 2025
Reserves Applied - Water Insert Funding Source udget by Expenditure Type	Total e t Total Number of unexpected	767,000 \$767,000 2020 767,000	731,000 \$731,000 2021 731,000 \$731,000	655,000 \$655,000 2022 655,000 \$655,000	669,000 \$669,000 2023 669,000	690,000 \$690,000 2024 690,000	705,000 \$705,000 2025 705,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type <i>Expense Type</i> Machinery and Equipment Insert Expense Type erformance Metric	Total e t Total Number of unexpecte Water Utility Operation	767,000 \$767,000 2020 767,000 \$767,000 \$767,000	731,000 \$731,000 2021 731,000 \$731,000	655,000 \$655,000 2022 655,000 \$655,000	669,000 \$669,000 2023 669,000	690,000 \$690,000 2024 690,000	705,000 \$705,000 2025 705,000
Funding Source Reserves Applied - Water Insert Funding Source Udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type erformance Metric Data Source	Total e t Total Number of unexpecte Water Utility Operatio Baseline Data	767,000 \$767,000 2020 767,000 \$767,000 \$767,000 ons Center Vehicle Main	731,000 \$731,000 2021 731,000 \$731,000 \$731,000 other and the seconds	655,000 \$655,000 2022 655,000 \$655,000	669,000 \$669,000 2023 669,000	690,000 \$690,000 2024 690,000	705,000 \$705,000 2025 705,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Machinery and Equipment Insert Expense Type Machinery and Equipment Insert Expense Type Verformance Metric Data Source 2017 Actual N/A 'riOrity Citywide Element Strategy	Total e t Total Number of unexpecte Water Utility Operation Baseline Data 2018 Actual N/A Green and Resilient	767,000 \$767,000 \$767,000 767,000 \$767,000 \$767,000 \$767,000 \$2019 Projected 2019 Projected 25 accessibility of energy energy energy of energy	731,000 \$731,000 \$731,000 2021 731,000 \$731,000 \$731,000 d/or vehicle break d itenance Records Target	655,000 \$655,000 \$655,000 \$655,000	669,000 \$669,000 2023 669,000	690,000 \$690,000 2024 690,000	705,000 \$705,000 2025 705,000

Capital Budget Requests - 2019-05-09T14_41_13

2020 Projects

Project name	Est Cost	Location
W20B-Dump Truck - replacement	\$157,000	110 Paterson Street
W19B Service Truck - replacement	\$70,000	110 Paterson Street
W44B, W56B and W88A - Replace 3 service vehicles	\$102,000	110 Paterson Street and 119 Olin Avenue
W80B Backhoe - replacement	\$145,000	110 Paterson Street
Meter Bench #2 Upgrade	\$120,000	119 Olin Avenue
Lawn Mower replacement	\$9,000	110 Paterson Street
Various small equipment replacements over the \$5,000 capitalization threshold	\$12,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$25,000	110 Paterson Street
Speed Shore Replacement Box	\$19,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street
Scissor Lift - new	\$28,000	110 Paterson Street

Insert item

Explain the justification for selecting projects planned for 2020:

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
W45B-Dump Truck - replacement	\$163,000	110 Paterson Street
W33B Service Truck - replacement	\$72,000	110 Paterson Street
W52C, W89A and W96A - Replace 3 service vehicles	\$105,000	110 Paterson Street and 119 Olin Avenue
W53B Backhoe - replacement	\$149,000	110 Paterson Street
Mapping and Survey Equipment Modernization	\$46,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$12,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$26,000	110 Paterson Street
Speed Shore Replacement Box	\$20,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street
Towable Lift - new	\$58,000	110 Paterson Street

Insert item

Explain the justification for selecting projects planned for 2021:

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.

2022 Projects		
Project Name	Est Cost	Location
W4B-Dump Truck - replacement	\$168,000	110 Paterson Street
W10B Service Truck - replacement	\$74,000	110 Paterson Street
W3A, W17A and W29C - Replace 3 service vehicles	\$109,000	110 Paterson Street and 119 Olin Avenue
W77B Backhoe - replacement	\$153,000	110 Paterson Street
Mapping and Survey Equipment Modernization	\$12,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$12,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$27,000	110 Paterson Street
Speed Shore Replacement Box	\$20,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street

Insert item 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.

23 Projects					
Project name	Est Cost	Location			
W32B-Dump Truck - replacement	\$173,000	110 Paterson Street			
W8B Service Truck - replacement	\$76,000	110 Paterson Street			
W31B, W49B, W51B, W60A, W63B, W79B and W85A - Replace 7 service vehicles	\$270,000	110 Paterson Street and 119 Olin Avenue			

Project name	Est Cost	Location
Various small equipment replacements over the \$5,000 capitalization threshold	\$12,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$28,000	110 Paterson Street
Speed Shore Replacement Box	\$21,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street

Insert item

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
W71B-Dump Truck - replacement	\$179,000	110 Paterson Street
W78B Service Truck - replacement	\$78,000	110 Paterson Street
W91A, W92A and W1B - Replace 3 service vehicles per year	\$116,000	110 Paterson Street and 119 Olin Avenue
W24B Backhoe - replacement	\$162,000	110 Paterson Street
Mapping and Survey Equipment Modernization	\$12,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$13,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$29,000	110 Paterson Street
Speed Shore Replacement Box	\$21,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street

Insert item

2025 0

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.

Project name	Est Cost	Location
W34B-Dump Truck - replacement	\$184,000	110 Paterson Street
W9B Service Truck - replacement	\$80,000	110 Paterson Street
W6B, W39B and W54B - Replace 3 service vehicles per year	\$120,000	110 Paterson Street and 119 Olin Avenue
W25C Backhoe - replacement	\$167,000	110 Paterson Street
Mapping and Survey Equipment Modernization	\$9,000	119 E Olin Avenue
Various small equipment replacements over the \$5,000 capitalization threshold	\$13,000	110 Paterson Street and 119 Olin Avenue
RP Valve Complete/Parts/Testing/Registration	\$30,000	110 Paterson Street
Speed Shore Replacement Box	\$22,000	110 Paterson Street
Various large tools and equipment	\$80,000	110 Paterson Street

Insert item

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.

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

Insert item

Capital Budget Requests - 2019-05-09T14_41_13

Save	Submit	
Notos		
Notes Notes:		
Save and Close	2 v	5-22-2019

		202	20 Capital I	mprovement	Plan		
			Program B	udget Proposal			
Identifying Inform	ation						
	er Utility	 Project N 	lame				
Project Number 1234	•	Project T	vv	ater Meter and Fixed N ogram	letwork Program *		
Project Category Utility	1	Priority	5	•			
2020 Munis Project Nu	mber 12427						
Description							
his program funds the wa	ter meter and fix	ed network advanced r	metering infrastruct	ure (AMI) improvemer	nts. The program ide	entifies projects via th	he State Public Servic
Prior Appropriation *Based on Fiscal Years 2019 adget by Funding Sour	5-2018		Prior Ye	ar Actual*			
Funding Sou	rce	2020	2021	2022	2023	2024	2025
			666,000	683,000	700,000	718,000	736,000
Reserves Applied - Wat		650,000			\$700.000	¢719.000	\$726.000
	er v Total	\$650,000	\$666,000	\$683,000	\$700,000	\$718,000	\$736,000
Insert Funding Source	Total				\$700,000	\$718,000	\$736,000
Insert Funding Source	Total				\$700,000 2023	\$718,000 2024	\$736,000 2025
I Insert Funding Source udget by Expenditure 1 Expense Typ	Total Type	\$650,000	\$666,000	\$683,000	· · · · ·	· · · · ·	
Insert Funding Source udget by Expenditure 1 Expense Typ Machinery and Equipm	Total Type	\$650,000 2020	\$666,000 2021	\$683,000 2022	2023	2024	2025
Reserves Applied - Wat Insert Funding Source Eudget by Expenditure T Expense Type Machinery and Equipm Insert Expense Type Performance Metric Data Source	Total Type ent Total Total The number	\$650,000 2020 650,000	\$666,000 2021 6666,000 \$666,000	\$683,000 2022 683,000 \$683,000	2023 700,000 \$700,000	2024 718,000 \$718,000	2025 736,000
Insert Funding Source udget by Expenditure T Expense Type Machinery and Equipm Insert Expense Type erformance Metric Data Source	Total Type ent Total The number Advanced CI Baseline I	\$650,000 2020 650,000 \$650,000 of water meters installed, c S Billing System and Water of Data	\$666,000 2021 6666,000 \$666,000 \$666,000	\$683,000 2022 683,000 \$683,000 \$683,000 \$683,000	2023 700,000 \$700,000	2024 718,000 \$718,000	2025 736,000
Insert Funding Source udget by Expenditure T Expense Type Machinery and Equipm Insert Expense Type erformance Metric	Total Type ent Total The number Advanced Cl Baseline I 2018 Actu	\$650,000 2020 650,000 \$650,000 of water meters installed, of S Billing System and Water of S Billing System and Water of Data al 2019 Projecte	\$666,000 2021 6666,000 \$666,000 \$666,000	\$683,000 2022 683,000 \$683,000 \$683,000 \$683,000	2023 700,000 \$700,000	2024 718,000 \$718,000	2025 736,000

Project name	Est Cost	Location
5/8", 3/4" & 1" Meter Purchase/Set/Change	\$354,000	Meters to be installed citywide
1.5" & 2" Meter Purchase/Set/Change	\$177,000	Meters to be installed citywide
3" and larger Meter Purchase/Set/Change	\$49,000	Meters to be installed citywide
Fixed Network System	\$70,000	Updates to the fixed network citywide

Insert item

Explain the justification for selecting projects planned for 2020:

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.

2021	Pro	iects
------	-----	-------

Project Name	Est Cost	Location
	\$363,000	Meters to be installed citywide
5/8", 3/4" & 1" Meter Purchase/Set/Change		
1.5" & 2" Meter Purchase/S et/Cha n g e	\$182,000	Meters to be installed citywide
3" and larger Meter Purchase/Set/Change	\$50,000	Meters to be installed citywide
Fixed Network System	\$71,000	Updates to the fixed network citywide

Insert item

Explain the justification for selecting projects planned for 2021:

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.

2022 Projects

Project Name	Est Cost	Location
	\$372,000	Meters to be installed citywide
5/8", 3/4" & 1" Meter Purchase/Set/Change		
	\$187,000	Meters to be installed citywide
1.5" & 2" Meter Purchase/S et/Cha n g e		
3" and larger Meter Purchase/Set/Change	\$51,000	Meters to be installed citywide
Fixed Network System	\$73,000	Updates to the fixed network citywide

Insert item

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.

2023 Projects

Project name	Est Cost	Location
	\$382,000	Meters to be installed citywide
5/8", 3/4" & 1" Meter Purchase/Set/Change		
1.5" & 2" Meter Purchase/S et/Cha n g e	\$191,000	Meters to be installed citywide
3" and larger Meter Purchase/Set/Change	\$52,000	Meters to be installed citywide
Fixed Network System	\$75,000	Updates to the fixed network citywide
	,	

Insert item

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.

2024 Projects		
Project name	Est Cost	Location
	\$390,000	Meters to be installed citywide
5/8", 3/4" & 1" Meter Purchase/Set/Change		
1.5" & 2" Meter Purchase/S et/Cha n g e	\$196,000	Meters to be installed citywide
3" and larger Meter Purchase/Set/Change	\$54,000	Meters to be installed citywide
Fixed Network System	\$78,000	Updates to the fixed network citywide

Insert item

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.

Capital Budget Requests - 2019-05-15T11_45_18

	Р	roject name	Est Cost	Location
			\$401,000	Meters to be installed citywide
5/8", 3/	4" & 1" Meter Purc	hase/Set/Change		
1.5" & 2	2" Meter Purchase/	S et/Cha n g e	\$200,000	Meters to be installed citywide
3" and I	arger Meter Purcha	ase/Set/Change	\$55,000	Meters to be installed citywide
Fixed No	etwork System		\$80,000	Updates to the fixed network citywide
Inser	t item			
		n for selecting projects plann		
	pter 185.32 require within PSC stated I		l customers. PSC Chapter	r 185.73 requires water utilities to test and change out all meters on a 20 year schedule. Meters are required to be
accurate	within FSC stateu i	innes.		
	the estimated a is program?	annual operating costs associ	ated with the projec	ts planned
ersonnel		Description		
# of FTEs	Annual Cost	Description		
lon-Perso	onnel			
Major	Amount	Description		
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Identifying Informati Agency Water Ut	00	202					
	on		20 Capital In	nprovement	Plan		
	<u></u>		Program Bu	dget Proposal			
	้อก						
Agency Water Ut	011						
	ility	 Project N 	Jame Unit	Well Rehab Program	1 ▼		
Project Number 12341		Project T	'ype Prog	ram			
Project Category Utility		Priority	8	▼			
2020 Munis Project Numbe	er 12431						
Description							
udget Information Prior Appropriation* *Based on Fiscal Years 2015-201	8		Prior Yea	r Actual*			
uuget by Funding Source							
Funding Source		2020	2021	2022	2023	2024	2025
Funding Source	T	2020 320,000	2021 240,000	2022 255,000	2023 270,000	2024 270,000	2025 285,000
Funding Source Reserves Applied - Water	v Total						
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type	Total	320,000	240,000	255,000	270,000	270,000	285,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Expense Type	Total	320,000 \$320,000 2020	240,000 \$240,000 2021	255,000 \$255,000 2022	270,000 \$270,000 2023	270,000 \$270,000 2024	285,000 \$285,000 2025
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Expense Type	Total	320,000 \$320,000 2020 320,000	240,000 \$240,000 2021 240,000	255,000 \$255,000 2022 255,000	270,000 \$270,000 2023 270,000	270,000 \$270,000 2024 270,000	285,000 \$285,000 2025 285,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment	Total e	320,000 \$320,000 2020	240,000 \$240,000 2021	255,000 \$255,000 2022	270,000 \$270,000 2023	270,000 \$270,000 2024	285,000 \$285,000 2025
Reserves Applied - Water Insert Funding Source Budget by Expenditure Type	Total Total Reduced numl Water Utility o	320,000 \$320,000 2020 320,000 \$320,000 \$320,000	240,000 \$240,000 2021 240,000 \$240,000	255,000 \$255,000 2022 255,000 \$255,000	270,000 \$270,000 2023 270,000 \$270,000	270,000 \$270,000 2024 270,000	285,000 \$285,000 2025 285,000
Funding Source Reserves Applied - Water Insert Funding Source udget by Expenditure Type Expense Type Machinery and Equipment Insert Expense Type Performance Metric	Total Total Reduced num	320,000 \$320,000 2020 320,000 \$320,000 \$320,000 \$320,000 \$320,000 ata	240,000 \$240,000 2021 240,000 \$240,000	255,000 \$255,000 2022 255,000 \$255,000	270,000 \$270,000 2023 270,000 \$270,000	270,000 \$270,000 2024 270,000	285,000 \$285,000 2025 285,000

Capital Budget Requests - 2019-05-15T18_03 18

2020 Projects

	Project name	Est Cost	Location
UW #11		\$80,000	102 Dempsey Road
UW #17		\$80,000	201 S Hancock Street
UW #8		\$80,000	1925 S Park Street
UE #30		\$80,000	1133 Mooreland Road

Insert item

Explain the justification for selecting projects planned for 2020:

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.

2021 Projects

Project Name	Est Cost	Location
UW #20	\$80,000	2829 Prairie Road
UW #24	\$80,000	809 E Dayton Street
UW #15	\$80,000	3900 E Washington Avenue

Insert item

Explain the justification for selecting projects planned for 2021:

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.

2022 Projects

Project Name	Est Cost	Location
UW #29	\$85,000	829 N Thompson Drive
UW #6	\$85,000	2757 University Avenue
UW #13	\$85,000	1201 Wheeler Road

Insert item

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 #23	\$90,000	4502 Leo Drive
UW #28	\$90,000	8210 Old Sauk Road
UW #7	\$90,000	1709 N Sherman Avenue

Insert item

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.

2024 Projects

Project name	Est Cost	Location
UW #16	\$90,000	6706 Mineral Point Road
UW #19	\$90,000	2526 Lake Mendota Drive
UW #25	\$90,000	5415 Queensbridge Road

Insert item

Explain the justification for selecting projects planned for 2024:

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 #14	\$95,000	5130 University Avenue
UW #9	\$95,000	4727 Spaanem Avenue
UW #26	\$95,000	910 High Point Road

Insert item

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.

Operating Costs

Capital Budget Requests - 2019-05-15T18 03 18

510		
What are within thi	the estimated a s program?	annual operating costs associated with the projects planned
Personnel		
# of FTEs	Annual Cost	Description
Non-Perso	onnel	
Major	Amount	Description
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otes		
tes:		
Save and Cl	ose	v. 5-22

Description This program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Udget Information Prior Appropriation* *Based on Fiscal Years 2015-2018 udget by Funding Source Funding Source Reserves Applied - Water 2020 2021 2022 2023 2024 2025 Reserves Applied - Water 550,000 567,000 583,000 601,000 619,000 637,000 Insert Funding Source Insert Funding Source 2021 2023 2024 2025	gency Water Utility Project Name Water Hydrants Program roject Rumber 12385 Project Type Program project Category Utility Priority 7 2020 Munis Project Number 12432 escription its program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Adget Information Prior Appropriation* *Based on Fiscal Wata 2015-2018 funding Source 2020 2021 2022 2023 2024 2025 escription funding Source 2020 2021 2022 2023 2024 2025 escription funding Source 2020 2021 2023 2024 2025 escription funding Source 2020 2021 2023 2024 2025 fortal \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 franding Source 2020 2021 2022 2023 2024 2025 escription ************************************
roject Number 12385 Project Type Program roject Category Utility Priority 7 • 1020 Munis Project Number 12432 Pescription his program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Udget Information Prior Appropriation* *based on Fiscal Years 2015-2018 Prior Year Actual* Prior Year Actual* Prior Year Actual 2020 2021 2022 2023 2024 2025 Reserves Applied - Water • 550,000 567,000 583,000 601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000 Insert Funding Source	Index frugation roject Number 12385 Project Type Project Type Project Type Project Type Project Type 12432 escription is program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Idget Information Prior Appropriation* **Based on Ficel Years 2015-2018 deg by Funding Source <u>Funding Source 2020 2021 2022 2023 2024 2025 550,000 567,000 583,000 601,000 619,000 637,000 Total \$550,000 \$67,000 \$83,000 601,000 619,000 637,000 Total \$550,000 \$67,000 \$83,000 \$61,000 619,000 637,000 Invert Funding Source dget by Expenditure Type 2020 2021 2022 2023 2024 2025 \$550,000 \$583,000 \$619,000 \$619,000 \$637,000 \$637,000 \$583,000 \$619,000 \$619,000 \$619,000 \$619,000 \$619,000 \$619,000 \$619,000 </u>
Description This program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Budget Information Prior Appropriation* *Based on Fiscal Years 2015-2018 udget by Funding Source Funding Source Reserves Applied - Water 2020 2021 2022 2023 2024 2025 Reserves Applied - Water 550,000 567,000 583,000 601,000 619,000 637,000 Insert Funding Source 1 \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000	escription iis program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression. Adget Information Prior Appropriation* *Based on Fiscal Years 2015-2018 dget by Funding Source <u>Funding Source</u> <u>2020</u> 2021 2022 2023 2024 2025 eserves Applied - Water <u>\$550,000</u> 567,000 5583,000 601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000 Insert Funding Source dget by Expenditure Type <u>Expense Type</u> 2020 2021 2022 2023 2024 2025 Vater Network <u>\$550,000</u> \$567,000 \$583,000 601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 637,000 Insert Expense Type
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Reserves Applied - Water v 550,000 567,000 583,000 601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000 Insert Funding Source Insert Funding Source \$601,000 \$619,000 \$637,000	eserves Applied - Water v 550,000 567,000 583,000 601,000 619,000 637,000 Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000 Insert Funding Source Insert
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	Total \$550,000 \$567,000 \$583,000 \$601,000 \$619,000 \$637,000 Insert Expense Type Insert Expen
	Insert Expense Type
erformance	Metric Water supply availability and fire protection capacity measured by the ISO grade rating.
Data Source Water Utility operational records	
	Baseline Data

F 2020 Water Utility Hydran	roject name		Le entre en
2020 Water Utility HVdrar		Est Cost	Location
	t Program	\$550,000	Citywide
	n for selecting projects planne or homeowners and commericial prop		
2021 Projects			
	roject Name	Est Cost	Location
2021 Water Utility Hydran	t Program	\$567,000	Citywide
Insert item			
	n for selecting projects planne		
Improving fire protection f	or homeowners and commericial prop	perty owners.	
2022 Projects			
F 2022 Water Utility Hydran	roject Name	Est Cost	Location
	t riogiani	\$583,000	Citywide
Insert item Explain the justification	n for selecting projects planne	d for 2022:	
	or homeowners and commericial prop		
2023 Projects			
I	roject name	Est Cost	Location
2023 Water Utility Hydran	t Program	\$601,000	Citywide
Insert item			
	n for selecting projects planne		
Improving fire protection f	or homeowners and commericial prop	perty owners.	
2024 Projects			
	roject name	Est Cost	Location
2024 Water Utility Hydran	t Program	\$619,000	Citywide
Insert item			
2025 Projects			
	Project name	Est Cost	Location
2025 Water Utility Hydran Insert item	t Program	\$637,000	<i>Location</i> Citywide
2025 Water Utility Hydran Insert item Explain the justificatio Improving fire protection f		\$637,000 d for 2025:	
2025 Water Utility Hydran Insert item Explain the justificatio Improving fire protection fo perating Costs hat are the estimated thin this program?	t Program n for selecting projects planne or homeowners and commericial prop annual operating costs associa	\$637,000 d for 2025: perty owners.	Citywide
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udget by I	Funding Source							
	Funding Source		2020	2021	2022	2023	2024	2025
Reserves /	Applied - Water	•	31,000	32,000	33,000	34,000	35,000	36,000
Insert Fundi	ling Source	Total	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000	\$36,000
udget by I	Expenditure Type							
	Expense Type		2020	2021	2022	2023	2024	2025
Machiner	y and Equipment	•	31,000	32,000	33,000	34,000	35,000	36,000
Insert Exper		Total	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000	\$36,000
	ance Metric Data Source		ual chlorine and floride in th Jtility sampling and testing	he water meets or exc	eeds DNR requirements.	MWU monitors the resi	duals in real time. We ke	eep chlorine between .1 r
[2017 Actual	2018 Actual	2019 Projected	Target				

2020 Projects			Location
2020 Chlorinators and Flor	roject name idators	Est Cost \$31,000	MWU Unit Wells and Booster Pump Stations.
Insert item		<i>\$</i> 51,000	
	n for selecting projects planned	l for 2020:	
	hed DNR water quality standards and		r supply safe.
2021 Projects			
	roject Name	Est Cost	Location
2021 Chlorinators and Flor	idators	\$32,000	MWU Unit Wells and Booster Pump Stations.
Insert item			
Explain the justification	n for selecting projects planned	l for 2021:	
Continue to exceed establis	hed DNR water quality standards and	keep Madison's wate	r supply safe.
2022 Projects			
	roject Name	Est Cost	Location
2022 Chlorinators and Flor	idators	\$33,000	MWU Unit Wells and Booster Pump Stations.
Insert item			
	n for selecting projects planned hed DNR water quality standards and		r sunnly safe
		keep maaison s water	i suppry suic.
2023 Projects	roject name	Est Cost	Location
2023 Chlorinators and Flor		\$34,000	MWU Unit Wells and Booster Pump Stations.
Insert item		\$34,000	
	n for selecting projects planned	l for 2023:	
Continue to exceed establis	hed DNR water quality standards and	keep Madison's wate	r supply safe.
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-	roject name	Est Cost	Location
2024 Chlorinators and Flor	idators	\$35,000	MWU Unit Wells and Booster Pump Stations.
Insert item			
2025 Projects		Est Cost	location
2025 Projects	roject name	<i>Est Cost</i> \$36,000	Location MWU Unit Wells and Booster Pump Stations.
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Explain the justification for selecting projects planned for 2024: Additional values on a main allows for a lower number of customers out of service when MWU is repairing/rehabing a pipe. 2025 Forject Toriget name Sol Cutrin Values Sol Cutrin Values <t< td=""><td></td><td></td><td>+,-50</td><td></td></t<>			+,-50	
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Insert item Explain the justification for selecting projects planned for 2025: Additional values on a main allows for a lower number of customers out of service when MWU is repairing/rehabing a pipe. perating Costs hat are the estimated annual operating costs associated with the projects planned thin this program? soonnel #of Annual Cost Description n-Personnel fajor Amount Description Insert item Save Submit	2025 Cut-in Valves		\$18,000	Citywide
Additional valves on a main allows for a lower number of customers out of service when MWU is repairing/rehabing a pipe. perating Costs hat are the estimated annual operating costs associated with the projects planned thin this program? sonnel #dif Annual Cost Pescription n-Personnel #aja Save Submit	Insert item			
perating Costs that are the estimated annual operating costs associated with the projects planned thin this program? sonnel for Annual Cost Description n-Personnel fajor Annual Description invert tem Save Submit				
hat are the estimated annual operating costs associated with the projects planed thin this program? sonnel Annual Cost Pescription Personnel tagin Annunt Description Insert tem Save Submit	Additional values on a mai	n allows for a lower number of custo		
hat are the estimated annual operating costs associated with the projects planed thin this program? sonnel Annual Cost Pescription Personnel tagin Annunt Description Insert tem Save Submit	Nucleuria valves un a IIIdi		mers out of service whe	en MWU is repairing/rehabing a pipe.
hat are the estimated annual operating costs associated with the projects planed thin this program? sonnel Annual Cost Pescription Personnel tagin Annunt Description Insert tem Save Submit			mers out of service whe	en MWU is repairing/rehabing a pipe.
thin this program?			mers out of service whe	en MWU is repairing/rehabing a pipe.
thin this program?			mers out of service whe	en MWU is repairing/rehabing a pipe.
sonnel # of FTEs Annual Cost Description n-Personnel			mers out of service whe	en MWU is repairing/rehabing a pipe.
# of FTEs Annual Cost Personnel Major Amount Description Insert item Save Save Submit	perating Costs			
# of FTEs Annual Cost Description n-Personnel Major Amount Description Insert item Save Submit Submit	perating Costs			
# of FTEs Annual Cost Description n-Personnel Major Amount Description Insert item Save Submit Submit	perating Costs			
FTEs In-Personnel Amount Description Insert item Save Save Submit	perating Costs nat are the estimated thin this program?			
n-Personnel Amount Description Insert Item Save Submit	perating Costs hat are the estimated thin this program?	annual operating costs associ		
Amount Description Insert item Save Submit	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost	annual operating costs associ		
Amount Description Insert item Save Submit	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost	annual operating costs associ		
Amount Description Insert item Save Submit	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost	annual operating costs associ		
Insert item Save Submit	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost	annual operating costs associ		
Insert item Save Submit	oerating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTES	annual operating costs associ		
Save Submit	oerating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs Annual Cost	annual operating costs associ		
Save Submit	oerating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs Annual Cost	annual operating costs associ		
Save Submit	oerating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs Annual Cost	annual operating costs associ		
25	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount	annual operating costs associ		
25	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount	annual operating costs associ		
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? rsonnel # of Annual Cost FTEs n-Personnel fajor Amount Insert item	annual operating costs associ		cts planned
	oerating Costs hat are the estimated thin this program? sonnel # of Annual Cost n-Personnel flajor Amount Insert item Save	annual operating costs associ		cts planned
	oerating Costs hat are the estimated thin this program? sonnel # of Annual Cost n-Personnel flajor Amount Insert item Save	annual operating costs associ		cts planned
	Derating Costs hat are the estimated thin this program? sonnel # of Annual Cost n-Personnel Annual Cost Insert item Save	annual operating costs associ		cts planned

Save and Close

		20	20 Capital	Improvemen	t Plan		
			Project B	Budget Proposal			
Identifying Information	1						
Agency Water Utility	/	 Project 	Name	Westside Water Supply	•		
Project Number 12439		Project	Туре Г	Project			
Project Category Utility		Priority		18 🔻			
Description							
Water demand projections indicat	e that there v	will be a supply def	iciency on the far	west side of the system	in the 20's and it will	grow as the area de	evelops. This projec
s this project currently includ udget Information otal Project Budget		\$12,152,000	• Prior Appropr	iation			
Budget by Funding Source		<i><i><i><i></i></i></i></i>					
Funding Source		2020	2021	2022	2023	2024	2025
Revenue Bonds-Water	•	0	153,000	2,370,000	1,127,000	971,000	7,531,000
	Total	\$0	\$153,000	\$2,370,000	\$1,127,000	\$971,000	\$7,531,000
Insert Funding Source							
Expense Type	•	2020	2021	2022	2023	2024	2025
Expense Type Water Network	•	2020	2021 153,000		2023 1,127,000		
Expense Type Water Network Building		2020 \$0		2,370,000		2024 971,000 \$971,000	2025 7,531,000 \$7,531,000
Water Network Building Insert Expense Type Performance Metric w Data Source v	Total	\$0 silability and fire prote- erational records. Targe	153,000 \$153,000 ction capacity.	2,370,000	1,127,000	971,000	7,531,000
Expense Type Water Network Building Insert Expense Type Performance Metric W Data Source W Priority Citywide Element N	Total Total Vater supply available Vater Utility ope Baseline verage and max leighborhoods a reate complete	\$0 silability and fire prote- rrational records. Targe sim Meet average nd Housing neighborhoods across	153,000 \$153,000 ction capacity. et daily d	2,370,000	1,127,000	971,000 \$971,000	7,531,000
Expense Type Water Network Building Insert Expense Type Performance Metric Data Source A Priority Citywide Element Strategy Describe how this proj	Vater supply ava Vater Utility ope Baseline verage and max leighborhoods a reate complete ject advances	illability and fire prote- irational records. Targe im Meet average ind Housing neighborhoods across s the Citywide Eler	153,000 \$153,000 ction capacity. et daily d	2,370,000	1,127,000 \$1,127,000	971,000 \$971,000	7,531,000 \$7,531,000

	rt Date: 1/1/202	1	End Date	e: 12/31/2026			
	2020)	2021	2022	2023	2024	2025
roject tatus		▼ Pla	anning 🔻	Design Completion	Construction	Construction •	Construction •
Can this I	project be mapp	ed?		🔵 Yes 💿 No			
Nhat is t	he location of th	e project?		Western region of	the City.		
s this pro	oject on the Proj	ect's Portal?		OYes No			
Jnera	ting Costs						
урега	ting costs						
Nhat are	the estimated a	nnual onerati	ng costs associated	with the project?	¢100.00		
what are	the estimated a			with the project.	\$160,00	0	
ersonne	el						
# of FTEs	Annual Cost	Description					
.125	13,000	Facility will b	e operated by existir	ng personnel.			
Ion-Pers	onnel						
Major	Amount	Description					
	110,000	Electrical pov	wer required for pun	iping.			
54							
54 53	37,000	Chemicals an	nd wastewater.				
53		Chemicals an	nd wastewater.				
		Chemicals an	nd wastewater.				
53 Insert it		Chemicals an	nd wastewater.		Submit		
53 Insert it	tem	Chemicals an	nd wastewater.		Submit		
53 Insert it	tem	Chemicals an	nd wastewater.		Submit		
53 Insert it	tem	Chemicals an	nd wastewater.		Submit		
53 Insert it	tem	Chemicals an	nd wastewater.		Submit		
53 Insert it	tem	Chemicals an	ld wastewater.		Submit		
53 Insert it	tem	Chemicals an	nd wastewater.		Submit		

			20	-	nprovement dget Proposal	Plan		
Agency Project Nu	ing Informati Water Ut Imber 12440 tegory Utility n		 Project N Project 1 Priority 	UII	t Well #8 Reconstruct ect v	ion 🔻		
will allow W	anganese levels at V /ell 8 to become a y ject currently inc	ear around well.		fell 8 also provides th ▼	e opportunity to be a	three zone well mak	ing it a valuable faci	lity operationally. Tre
lotal Projec	nformation ct Budget Funding Source		\$12,036,000	Prior Appropriat	ion			
suaget by i	Funding Source							
sudget by I	Funding Source		2020	2021	2022	2023	2024	2025
		•	<i>2020</i>	2021	2022	2023	2024	2025 87,000
Revenue E	Funding Source Bonds-Water	v Total						
Revenue E	Funding Source Bonds-Water ing Source Expenditure Type	Total	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	87,000 \$87,000
Revenue E Insert Fundi Budget by I	Funding Source Bonds-Water	Total	0	0	0	0	0	87,000 \$87,000 2025
Revenue E I Insert Fundi Budget by I Building	Funding Source Bonds-Water ing Source Expenditure Type Expense Type	Total	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	87,000 \$87,000
Revenue E Insert Fundi Budget by I Building Insert Exper Performa	Funding Source Bonds-Water ing Source Expenditure Type Expense Type	Total Total Water quality par	0 \$0 2020 \$0 ameters and hours of tillity sampling and test Targe	0 \$0 2021 \$0 operation. ing and operational record t	0 \$0 2022 \$0	0 \$0 2023	0 \$0 2024	87,000 \$87,000 2025 87,000
Revenue E Insert Fundi Building Insert Expert Performa	Funding Source Bonds-Water ing Source Expenditure Type Expense Type nse Type BANCE Metric	Total • • • • • • • • •	0 \$0 2020 \$0 solution \$0 solut	0 \$0 2021 \$0 operation. ing and operational record t /l; Man	0 \$0 2022 \$0 ds.	0 \$0 2023	0 \$0 2024	87,000 \$87,000 2025 87,000

Capital Budget Requests - 2019-05-14T16_23_54

alact							
alact	2020)	2021	2022	2023	2024	2025
roject		•	•	•	T	•	Planning 🔻
tatus							
an this p	project be mapp	ed?		🖲 Yes 🔵 No			
Vhat is th	he location of th	e project?		3206 Lakeland Avenu	le		
s this pro	oject on the Proj	ect's Portal?		🔾 Yes 💿 No			
	ting Costs	nnual operatin	g costs associated v	vith the project?	\$20,200		
ersonnel	I	1					
# of FTEs	Annual Cost	Description					
.083	8,700	Facility is oper	rated by existing per	sonnel.			
lon-Perso	onnel						
Major	Amount	Description					
<i>Major</i> 54	<i>Amount</i> 6,500		for treatment.				
			for treatment.				
54 53	6,500	Electric power					
54	6,500	Electric power					
54 53 Insert ite	6,500	Electric power		Su	ibmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ibmit		
54 53 Insert ite	6,500 5,000 em	Electric power		Su	ıbmit		

			20	020 Capital I	mprovement	: Plan		
				Project Bu	udget Proposal			
dontifi	ving Informati	<u></u>						
dentity	ying Informati	on						
Agency	Water Ut	ility	 Project 	BU	ooster Pump Station #2	213 Lakeview Recons	truction •	
-	lumber 12441		Project		oject			
Project Ca	Category Utility		Priority	17	v v			
Descriptio	ion							
				e fighting requirement ility of the pumping s	ts in Zone 5 and to acc	ommodate the expan	nsion of Zone 5. Pun	np capacity will be inc
-	Information ect Budget		\$2,510,000	Prior Appropria	tion			
udget by	/ Funding Source							
udget by	Funding Source		2020	2021	2022	2023	2024	2025
		▼	2020	2021	2022	2023	2024	2025 238,000
Revenue	Funding Source Bonds-Water	v Total	2020 \$0	2021 \$0	2022 \$0	2023 \$0	2024 \$0	
Revenue	Funding Source	Total						238,000
Revenue Insert Fun udget by	Funding Source Bonds-Water Inding Source Y Expenditure Type Expense Type	Total						238,000 \$238,000 2025
Revenue Insert Fun udget by	Funding Source Bonds-Water Inding Source Y Expenditure Type Expense Type	Total	\$0 2020	\$0 2021	\$0 2022	\$0 2023	\$0 2024	238,000 \$238,000 2025 238,000
Revenue Insert Fun udget by Water Ne	Funding Source Bonds-Water Inding Source V Expenditure Type Expense Type etwork	Total	\$0	\$0	\$0	\$0	\$0	238,000 \$238,000 2025
Revenue Insert Fun udget by Water Ne Insert Exp	Funding Source e Bonds-Water ading Source r Expenditure Type Expense Type etwork	Total Total Hours of operati	\$0 2020 \$0 ion and fire fighting ca erational records. Targ	2021 \$0 spacity.	\$0 2022	\$0 2023	\$0 2024	238,000 \$238,000 2025 238,000
Revenue	Funding Source EBonds-Water Citywide Element	Total Total Hours of operati Water Utility ope Baseline Pump run time i Green and Resili	\$0 2020 \$0 ion and fire fighting ca erational records. Targ in 2 Pump run tir	2021 2021 \$0 spacity. set me - 200	2022 \$0	\$0 2023	\$0 2024	238,000 \$238,000 2025 238,000
Revenue Insert Fun udget by Water Ne Insert Exp	Funding Source EBonds-Water CEXPENDENT TYPE EXPENDENT TYPE Etwork Dance Dance Data Source Citywide Element Strategy	Total Total Hours of operati Water Utility ope Baseline Pump run time i Green and Resili Protect Madison	\$0 2020 \$0 ion and fire fighting ca erational records. Targ in 2 Pump run tir ent 's water supply and ir	2021 2021 \$0 apacity. set me - 200 v hfrastructure to provide sc	2022 \$0	\$0 2023	\$0 2024	238,000 \$238,000 2025 238,000
Revenue Insert Fun Udget by Water Ne Insert Exp Perform	Funding Source EBonds-Water CEXpenditure Type EXpenditure Type EXpense Type etwork Dance Dance Data Source Citywide Element Strategy Describe how this p	Total Total Hours of operati Water Utility ope Baseline Pump run time i Green and Resili Protect Madison project advance	2020 \$0 \$0 ion and fire fighting ca erational records. Targ in 2 Pump run tir Pump run tir ent i's water supply and ir is the Citywide Ele	2021 2021 \$0 apacity. set me - 200 v hfrastructure to provide sc	2022 \$0 \$0 \$0	\$0 2023	\$0 2024	238,000 \$238,000 2025 238,000

Capital Budget Requests - 2019-05-14T16_30_46

	202	0	2021	2022	2023	2024	2025
roject		· · · · · · · · · · · · · · · · · · ·	•		▼		 Planning
atus							1.00000
an this p	project be mapp	ed?		Yes No			
What is t	he location of th	ne project?		1320 Lake View Aven	ue		
s this pro	ject on the Pro	ject's Portal?		○ Yes ● No			
	ting Costs	annual operatin	g costs associated v	vith the project?	\$0		
ersonne	l						
# of FTEs	Annual Cost	Description					
Non-Perso	onnel						
Non-Perso Major	onnel Amount	Description					
		Description					
Non-Perso Major	Amount	Description					
Major	Amount em	Description					
Major	Amount	Description		Su	bmit		
Major	Amount em	Description		Su	bmit		
Major	Amount em	Description		Su	bmit		
Major	Amount em	Description		Su	bmit		
Major	Amount em	Description		Su	bmit		
Major	Amount em	Description		Su	bmit		

			20	20 Capital	Improvem	ent	Plan		
				Project	Budget Prop	osal			
ما م بم عند 4.	in a lafawa ati								
dentity	ying Information	on							
Agency	Water Uti	lity	• Project		Booster Pump Stat	ion #12	8 Upgrade 🔻		
-	umber 12442		Project	Туре	Project				
roject C	ategory Utility		Priority		13 •				
Descriptio	on								
ıdget	oject currently incl Information ect Budget	uded in the 20	19 CIP? No \$532,000	• Prior Approp	riation				
udget by	Funding Source								
	Funding Source	•	2020	2021	2022	0	2023 92,000	2024 440,000	2025
Revenue						0	52,000	440,000	0
		Total	\$0	\$0	ç	0	\$92,000	\$440,000	\$0
Insert Fun		Total		\$0 2021	2022	0	\$92,000 2023	\$440,000 2024	\$0 2025
Insert Fun	ding Source Expenditure Type	Total	\$0		2022	0		• • I L	
Insert Fun udget by Machine	ding Source Expenditure Type Expense Type ry and Equipment	Total	\$0 2020	2021	2022		2023	2024	2025
	ding Source Expenditure Type <i>Expense Type</i> ry and Equipment ense Type	Total	\$0 2020 0 \$0 n. ational records Targe	2021 0 \$0	2022	0	2023 92,000	2024 440,000	2025 0
Insert Fun Budget by Machine Insert Exp Perform	ding Source Expenditure Type Expense Type ry and Equipment ense Type Dance Metric Data Source	Total Total Hours of operation Water Utility oper Baseline 2017 8,958 hours; Green and Resilier	\$0 2020 0 \$0 \$0 n. ational records Targe : 3,000 hours	2021 0 \$0	2022	0	2023 92,000	2024 440,000	2025 0
Insert Fun Budget by Machine	ding Source Expenditure Type Expense Type ry and Equipment ense Type hance Metric Data Source Citywide Element	Total Total Hours of operation Water Utility oper Baseline 2017 8,958 hours; Green and Resilier Protect Madison's roject advances	\$0 2020 0 \$0 \$0 n. ational records Targe 1 3,000 hours 1 t water supply and inf the Citywide Eler	2021 0 \$0 et rastructure to provid ment:	2022	0	2023 92,000	2024 440,000	2025

Capital Budget Requests - 2019-05-14T16_35_51

	202	0	2021	2022	2023	2024	2025
roject	202	•	7	LULL		Construction Comple	2025
tatus					rianning	construction comple	
	project be mapp			🖲 Yes 🔵 No			
What is t	he location of the	ne project?		9202 Waterside	Street		
s this pr	oject on the Proj	ject's Portal?		○ Yes ● No			
Juora	ting Costs						
pera	ting Costs						
What are	the estimated a	annual oneratin	g costs associated w	ith the project?	A	0	
what are				in the project.	\$	0	
Personne	1						
# of FTEs	Annual Cost	Description					
		· · · · · · · · · · · · · · · · · · ·					
Non-Pers	onnel						
Non-Pers <i>Major</i>	onnel Amount	Description					
		Description					
Major	Amount	Description					
	Amount	Description					
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		
Major	Amount	Description			Submit		

		20	20 Capital	Improvement	Plan		
				udget Proposal			
			,	0			
Identifying Info	rmation						
Agency v	Vater Utility	 Project I 	Name	nit Well #15 🔻			
Project Number 12	2443	Project 1		oject			
Project Category U	tility	Priority	1	5 🔻			
Description	inds (PFOS) have been o	datacted in Wall 1E r	aroducing concorne	about the need for tre	atmont at the well	USEDA and WiDNP ba	as not ostablished a
	OS at this time. The curr						
s this project curre	ntly included in the 2	019 CIP? No	V				
Budget Informa	tion						
otal Project Budget		\$146,000	Prior Appropria	ation			
udget by Funding S							
	Source	2020	2021	2022	2023	2024	2025
Funding			~~ ~~ ~				
-	ter 🔹	0	82,000	16,000	16,000	16,000	16,000
Revenue Bonds-Wa		0 \$0	82,000 \$82,000	16,000 \$16,000	\$16,000	16,000 \$16,000	16,000 \$16,000
Revenue Bonds-Wa	ter v Total						
Revenue Bonds-Wa	ter v Total re Type						
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense	ter v Total re Type	\$0	\$82,000	\$16,000	\$16,000	\$16,000	\$16,000
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense	ter v Total re Type	\$0 2020	\$82,000 2021	\$16,000 2022	\$16,000 2023	\$16,000 2024	\$16,000 2025
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense Building	ter v Total re Type Type	\$0 2020 0	\$82,000 2021 82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense Building Insert Expense Type	ter v Total re Type Type	\$0 2020 0	\$82,000 2021 82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa I Insert Funding Source Budget by Expenditu Expense Building I Insert Expense Type Performance	ter v Total re Type Type v Total	\$0 2020 0 \$0	\$82,000 2021 82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source Budget by Expenditu Expense Building Insert Expense Type Performance Metric	ter v Total re Type Type v Total Routine water s	\$0 2020 0 \$0 ampling and testing	\$82,000 2021 82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa I Insert Funding Source Budget by Expenditu Expense Building I Insert Expense Type Performance	ter v Total re Type Type v Total Routine water s Water sampling	\$0 2020 0 \$0 ampling and testing results	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source Budget by Expenditu Expense Building Insert Expense Type Performance Metric	ter v Total re Type Type v Total Routine water s	\$0 2020 0 \$0 ampling and testing results Targe	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source Budget by Expenditu Expense Building Insert Expense Type Performance Metric	ter v Total re Type Type v Total Routine water s Water sampling Baseline	\$0 2020 0 \$0 ampling and testing results Targe	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source Budget by Expenditu Expense Building Insert Expense Type Performance Metric	ter v Total re Type Type v Total Routine water s Water sampling Baseline	\$0 2020 0 \$0 ampling and testing results Targe	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense Building Insert Expense Type Performance Metric Data Source	ter v Total re Type Type v Total Routine water s Water sampling Baseline	\$0 2020 0 \$0 ampling and testing results Targe	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source Building Insert Expense Type Performance Metric Data Source	ter v Total re Type Type v Total e Routine water s Water sampling Baseline Current PFOA +	\$0 2020 0 \$0 ampling and testing results Targe PF Unknown at th	\$82,000 2021 82,000 \$82,000	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense Building Insert Expense Type Performance Metric Data Sourc Priority Citywide El Strategy	ter v Total re Type Type v Total Routine water s Water sampling Baseline Current PFOA + ement Green and Resil Protect Madison	\$0 2020 0 \$0 sampling and testing results PF Unknown at the ient 's water supply and infr	\$82,000 2021 82,000 \$82,000 \$82,000 t t iis time	\$16,000 2022 16,000	\$16,000 2023 16,000	\$16,000 2024 16,000	\$16,000 2025 16,000
Revenue Bonds-Wa Insert Funding Source udget by Expenditu Expense Building Insert Expense Type Performance Metric Data Sourc Priority Citywide El Strategy Describe he	ter v Total re Type Type v Total Routine water s Water sampling Baseline Current PFOA + ement Green and Resil Protect Madison pow this project advance	\$0 2020 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$82,000 2021 82,000 \$82,000 \$82,000 t t ais time v r astructure to provide s nent:	\$16,000 2022 16,000 \$16,000 \$16,000	\$16,000 2023 16,000 \$16,000	\$16,000 2024 16,000 \$16,000	\$16,000 2025 16,000
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# of FTEs	Annual Cost	Descriptio	on					
.125	13,000	Facility is	operated by existing pe	rsonnel.				
Ion-Pers	onnel							
Major	Amount	Descripti	on					
54	27,000	Additiona	al electrical power from	additional pumping ar	nd UV disinfection energy.			
53	24,000	GAC repla	acement (water treatme	nt media).				
54	(\$86,000)	Reduction	Reduction in costs from eliminating need for blowers and acid feed					
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udget by Fundinខ្ល	g Source						
	ng Source	2020	2021	2022	2023	2024	2025
Revenue Bonds-V	Water • Total	4,082,000	96,000	1,780,000	4,276,000	3,081,000	5,019,000
Insert Funding Source		\$4,082,000	\$96,000	\$1,780,000	\$4,276,000	\$3,081,000	\$5,019,000
udget by Expend	liture Type						
		2020	2021	2022	2022	2024	2025
Water Network	nse Type	2020 4,082,000	2021 96,000	2022 1,780,000	2023 4,276,000	2024 3,081,000	2025 5,019,000
	Total	\$4,082,000	\$96,000	\$1,780,000	\$4,276,000	\$3,081,000	\$5,019,000
Insert Expense Type		94,082,000	\$50,000	\$1,780,000	Ş 4 ,270,000	\$3,081,000	\$5,015,000
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erformance Metric Data Sou	Annual cost of	Utility funded main extensio				ubject to Water Utility co	onnection charge upon futu
Metric Data Sou		ta				ubject to Water Utility co	onnection charge upon futu
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Project Schedule & Location

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Project name	Est Cost	Location
Cottage Grove Road	\$621,000	I-90 to Sprecher Road
Treetops Dr., Feather Edge Dr	\$543,000	Meadow Rd to Soaring Sky Run
Felland Rd, Lien Rd Water Main Extension	\$2,918,000	Felland Rd Reservoir to Lien Zone 3, Interstate Zone 6

Insert item

Explain the justification for selecting projects planned for 2020:

The proposed 2020 '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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan

2021 Projects

Project Name	Est Cost	Location
2021 Hydraulic Improvements - Water Main Extensions	\$96,000	Undistributed/Citywide - locations under development

Insert item

Explain the justification for selecting projects planned for 2021:

The proposed 2021 '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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan

2022 Projects

Project Name	Est Cost	Location
Cottage Grove Road Interstate Crossing	\$672,000	S Thompson Dr to 208 Ft W of North Star Dr
2022 Hydraulic Improvements - Water Main Extensions	\$1,108,000	Undistributed/Citywide - locations under development

Insert item

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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan

2023 Projects

Project name	Est Cost	Location
Pleasant View Rd	\$174,000	Old Sauk Rd to US Hwy 14
Cannonball Path	\$87,000	Railroad to Bowman Field
Reiner Rd	\$454,000	Woods Farm Plat to Lien Rd
2023 Hydraulic Improvements - Water Main Extensions	\$3,561,000	Undistributed/Citywide - locations under development

Insert item

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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan.

2024 Projects

Project name	Est Cost	Location
2024 Hydraulic Improvements - Water Main Extensions	\$3,081,000	Undistributed/Citywide - locations under development

Insert item

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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan

2025 Projects

Project name	Est Cost	Location
Mineral Point Rd	\$1,512,000	Beltline to High Point Rd
Pleasant View Rd	\$1,512,000	Mineral Point Rd to Old Sauk Rd.
2025 Hydraulic Improvements - Water Main Extensions	\$1,995,000	Undistributed/Citywide - locations under development

Insert item

Explain the justification for selecting projects planned for 2025:

The proposed 2025 '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 projects occur in conjunction with associated roadway construction projects or as stand-alone water main improvements consistent with infrastructure priorities identified in the Water Utility Master Plan.

Operating Costs

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

Personnel # of Annual Cost Description FTEs

Non-Perso	nnel				
Major	Amount	Description			
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