

City of Madison 2018 Capital Improvement Plan
 Agency Request Summary

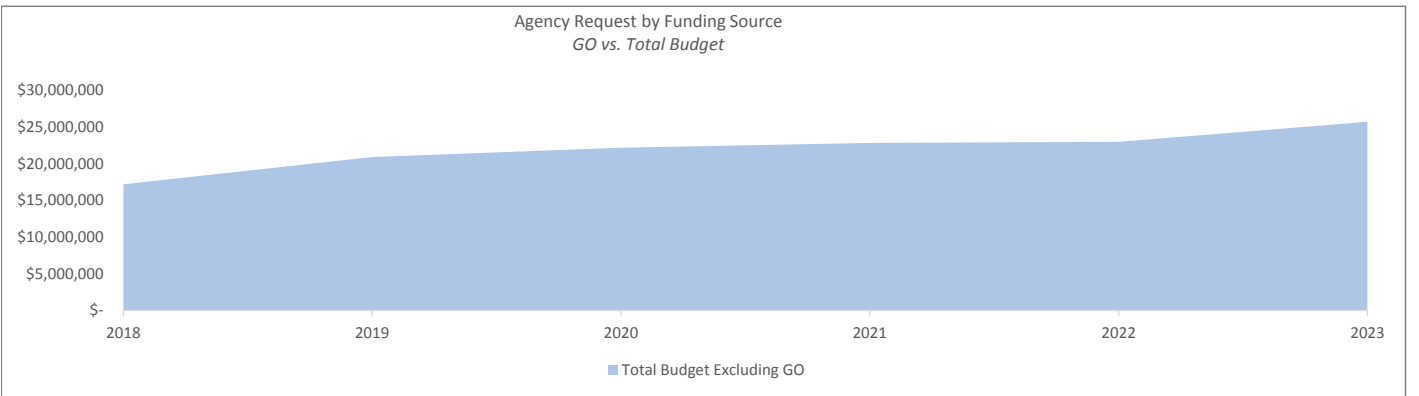
Agency : Water Utility

Agency Request by Project (All Funds)

Project	2018	2019	2020	2021	2022	2023
Booster Pump Station 109 (Spaanem Ave)	-	284,000	2,364,000	744,000	-	-
Booster Station #106 Reconstruction	-	-	842,000	-	-	-
BPS 129 Reconstruction	334,000	3,069,000	866,000	793,000	-	-
Far West Elevated Reservoir - Blackhawk	780,000	-	-	1,240,000	-	-
Lakeview Reservoir Reconstruction	-	161,000	2,445,000	-	-	-
Unit Well 12 Conversion to a Two Zone Well	3,262,000	-	-	-	-	1,608,000
Unit Well No. 8 Reconstruction	110,000	-	-	-	-	-
Voc Air Stripper At Well 18	-	-	-	-	-	473,000
Water Mains - New	1,850,000	1,500,000	2,386,000	2,952,000	3,558,000	3,866,000
Water Mains Replace Rehab Improve - Pavement Man:	4,400,000	4,576,000	4,759,000	4,949,000	5,147,000	5,353,000
Water Mains Replace Rehab Improve - Reconstruct Str	4,250,000	4,420,000	4,597,000	4,781,000	4,972,000	5,171,000
Water Mains Replace Rehab Improve - Pipe Lining	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000	1,217,000
Water Utility Facility Improvements	1,207,000	1,277,000	1,403,000	1,239,000	2,258,000	1,577,000
Well 19 Iron/Manganese Filter	-	4,081,000	-	-	-	-
Well 28 Iron and Manganese Filter	-	-	577,000	4,408,000	-	-
Well 30 Iron and Manganese Filter	-	-	-	600,000	4,584,000	-
Well 7 Area Hydraulic Improvements	-	-	866,000	-	-	-
Well 14 Mitigation	-	-	-	-	801,000	4,160,000
Well 24 Iron and Manganese Filter	-	-	-	-	-	572,000
Zone 4 Well 31 Fire Flow Supply Augment	-	511,000	-	-	-	575,000
Zones 7 & 8 Supply: Whitney Way	-	-	-	15,000	495,000	1,142,000
Total	\$ 17,193,000	\$ 20,919,000	\$ 22,187,000	\$ 22,846,000	\$ 22,985,000	\$ 25,714,000

Agency Request by Funding Source

Project	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water	17,193,000	20,919,000	22,187,000	22,846,000	22,985,000	25,714,000
Total	\$ 17,193,000	\$ 20,919,000	\$ 22,187,000	\$ 22,846,000	\$ 22,985,000	\$ 25,714,000





**Madison
Water Utility**

119 East Olin Ave, Madison, WI 53713
608.266.4651 • madisonwater.org

Date: May 10, 2017

To: David Schmiedicke, Finance Department

From: Tom Heikkinen, Madison Water Utility

Subject: Madison Water Utility 2018 Capital Budget Requests

The Madison Water Utility 2018 capital budget reflects careful consideration of the Utility's rates and debt ratio in the face of growing infrastructure needs. 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 2018 proposal is to upgrade existing 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. By placing an emphasis on our costliest assets we believe we can begin to shift our focus from reactive to proactive maintenance. If we are successful in this effort, we hope to improve internal customer satisfaction and reduce existing energy costs.

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

1. Pipeline Replacement/Rehab/Improvements
2. Unit Well 12 Conversion

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

Sincerely,

Tom Heikkinen General Manager Madison Water Utility

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will construct a booster pumping station for Madison's east side that will facilitate the movement of water from an area of excess supply to an area of needed supply. The project will improve overall system reliability and increase operational flexibility resulting in a higher level of service to system consumers.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>		284,000	2,364,000	744,000		
Total	\$0	\$284,000	\$2,364,000	\$744,000	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>		284,000	2,364,000			
Water Network <input type="text" value=""/>				744,000		
Total	\$0	\$284,000	\$2,364,000	\$744,000	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
<input type="text" value="Planning"/>	<input type="text" value="Design Completion"/>	<input type="text" value="Construction"/>	<input type="text" value="Construction"/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

Overall operational costs will decrease. Project rebuilds and expands pump station to transfer water from Zone 4 to Zone 6. High efficiency pumping equipment and variable speed controls will be utilized to reduce costs. Operating costs are associated with the cost of pumping water. It is expected that the booster pumping station will be located on an existing Water Utility site that will minimize labor costs.

What's the annual operating costs associated with the project?

43,000

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project will be; payroll expense \$9,000, supplies expense \$2,000 and purchased services \$32,000. These amounts are for 2022 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Water Utility

Proposal Name

Booster Station #106 Reconstruction

Munis

10444

Proposal Description

This project Improves the piping network at Booster Station #106 to enhance reliability, fire protection, and improve the hydraulic capacity in the Sunset Hills area of west Madison. Booster pumping station 106 was reconstructed in 2013 and provides a key water supply point to the west side.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>			842,000			
Total	\$0	\$0	\$842,000	\$0	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value=""/>			842,000			
Total	\$0	\$0	\$842,000	\$0	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Pipelines on Tokay Blvd, Glen Drive and S Midvale Blvd.

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

Planning

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

Excess water supply capacity is being pumped to an area of need.

What is the desired outcome of the proposed project?

Improved hydraulics, fire protection capacity and operational flexibility.

How will this outcome be measured?

Kwhr/million gallons pumped, fire flow hydrant tests, and reduction in interruptions in water service.

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

Operating costs are reduced due to increased hydraulic capacity.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Water Utility

Proposal Name

BPS 129 Reconstruction

Munis

17601

Proposal Description

Construction of a new and upgraded booster pump station 129 is needed to increase water transfer capacity from Zone 6E to Zone 3. This project will replace the temporary pump station constructed on the Well 29 site in 1990 and provide needed additional water supply to the far east side of Madison.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>	334,000	3,069,000	866,000	793,000		
Total	\$334,000	\$3,069,000	\$866,000	\$793,000	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>	334,000	2,737,000				
Water Network <input type="text" value=""/>		332,000	866,000	793,000		
Total	\$334,000	\$3,069,000	\$866,000	\$793,000	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

1224 Felland Road

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

Schematic Design

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	Construction <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

Moving water from Zone 6 to Zone 3 is critical to system operation. BPS 129 is a critical component of that function. The current facility was constructed in 1990 and has limited capacity. Locating the booster pumping station near the 6 million gallon Felland Road Reservoir will provide an excellent water supply resource to the east side.

What is the desired outcome of the proposed project?

Improved hydraulic capacity, additional water supply capacity, improved reliability, increased fire fighting capacity, and additional operational flexibility.

How will this outcome be measured?

Continuity of operations, fire hydrant flow tests, and reduced operating costs.

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

Project rebuilds and expands pump station at a new location to serve a growing area. High efficiency pumps will be installed at the station.

What's the annual operating costs associated with the project?

43,000

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$9,000, supplies expense \$2,000 and purchased services \$32,000. These amounts are for 2022 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will construct a reservoir on Madison's far west side. The Blackhawk Reservoir will add 1 million gallons of elevated water storage capacity to the far west side of Madison. This will allow development to occur, improve system reliability, increase firefighting capacity, and increase emergency water reserves to the area.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>	780,000			1,240,000		
Total	\$780,000	\$0	\$0	\$1,240,000	\$0	\$0

 Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value=""/>	780,000			1,240,000		
Total	\$780,000	\$0	\$0	\$1,240,000	\$0	\$0

 Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$13,500, supplies expense \$2,500 and purchased services \$0. These amounts are for 2022 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will continue reconstruction efforts at Lakeview Reservoir. The existing booster pumping station will be rebuilt and upgraded to improve efficiency, increase capacity and provide redundancy and reliability to the pumping system. Pipelines will be upgraded in the system to increase hydraulic capacity and improve fire protection capacity.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>		161,000	2,445,000			
Total	\$0	\$161,000	\$2,445,000	\$0	\$0	\$0

 Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value=""/>			1,200,000			
Building <input type="text" value=""/>		161,000	1,245,000			
Total	\$0	\$161,000	\$2,445,000	\$0	\$0	\$0

 Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

The Lake View Reservoir provides critical water storage to the north side of Madison. The booster pumping station is undersized and limits the size of Pressure Zone 5. Improving the station will allow the zone to be expanded and fire protection capacity improved. With additional capacity there is a need for improvement to the distribution system hydraulic capacity with new pipelines.

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

The main component of operating costs is pumping costs. Operating costs will be reduced by using variable speed equipment and off peak pumping. Project will result in increased pumping efficiencies and savings. Variable speed equipment will be used and pumps will be more efficient.

What's the annual operating costs associated with the project?

21,125

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$9,125, supplies expense \$2,000 and purchased services \$10,000. These amounts are for 2021 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Water Utility

Proposal Name

Unit Well 12 Conversion to a Two Zone Well

Munis

10452

Proposal Description

This project rebuilds and expands the pumping service capability of Well 12. The rebuilt station will provide water supply capacity to 5 existing pressure zones across most of the west side of Madison. The supply flexibility will improve reliability and maximize supply from this high quality water source.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>	3,262,000					1,608,000
Total	\$3,262,000	\$0	\$0	\$0	\$0	\$1,608,000
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>	3,262,000					
Water Network <input type="text" value=""/>						1,608,000
Total	\$3,262,000	\$0	\$0	\$0	\$0	\$1,608,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

801 S Whitney Way

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

Design Completion

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	Construction <input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

Maximizing the use of existing sources of supply is critical to Utility operations. This well is situated on a pressure zone boundary and is ideal for a two zone facility. This conversion will improve the use of this facility and increase system reliability.

What is the desired outcome of the proposed project?

Improved efficiency, reduced maintenance and increased operational flexibility.

How will this outcome be measured?

kwhr/million gallons pumped, number of breakdowns per year and gallons pumped.

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

Project provides operational efficiency and flexibility through the ability to pump to two pressure zones. Well 12 operation cost is primarily energy required for pumping. The rebuilt facility will have slightly higher energy requirements that will be dependent upon how much the station is used to supply the higher Zone 8. High efficiency pumps and motors as well as variable speed equipment will be installed at the station.

What's the annual operating costs associated with the project?

181,000

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$11,000, supplies expense \$2,500 and purchased services \$167,500. These expenses include power, chemicals and various supplies. These amounts are for 2024 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

The project upgrades and replaces Well 8. The project scope includes installation of a filter for iron and manganese to address current water quality issues at Well 8. A Reduction in iron and manganese will reduce the incident of colored water events and the need for system flushing.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>	110,000					
Total	\$110,000	\$0	\$0	\$0	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>	110,000					
Total	\$110,000	\$0	\$0	\$0	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$66,000. These expenses include power, chemicals and various supplies. These amounts are for 2028 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will construct a volatile organic compound (VOC) air stripper at Well 18. Recent water quality analysis has shown increasing VOC levels in the water supply in the well area. Construction of the air stripper will assure continued compliance with State and Federal Safe Drinking Water Regulations.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>						473,000
Total	\$0	\$0	\$0	\$0	\$0	\$473,000
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>						473,000
Total	\$0	\$0	\$0	\$0	\$0	\$473,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$26,000, supplies expense \$9,000 and purchased services \$155,000. These expenses include power, chemicals and various supplies. These amounts are for 2025 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Water Utility

Proposal Name

Water Mains - New

Munis

10856

Proposal Description

This project installs new water mains to help strengthen and expand the existing distribution system, improve pressures, improve fire protection, allow transfer of water from pressure zone to pressure zone, and serve the growing Madison area. Newly installed mains will include hydraulic improvements consistent with the Water Utility Master Plan.

Proposal Type

Program

Section 2: Budget Information

Budget by Year

<i>Funding Source</i>	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water	1,850,000	1,500,000	2,386,000	2,952,000	3,558,000	3,866,000
Total	\$1,850,000	\$1,500,000	\$2,386,000	\$2,952,000	\$3,558,000	\$3,866,000
<input type="checkbox"/> Insert Funding Source						
<i>Expense Category</i>	2018	2019	2020	2021	2022	2023
Water Network	1,850,000	1,500,000	2,386,000	2,952,000	3,558,000	3,866,000
Total	\$1,850,000	\$1,500,000	\$2,386,000	\$2,952,000	\$3,558,000	\$3,866,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

<i>Minor Project Name</i>	<i>Estimated Cost</i>	<i>Minor Project Location</i>
Cth M, Mid-Town Rd, Raymond Rd, Wellness Way, Meriter...	\$1,250,000	McKee Rd. to Prairie Hill Rd, Waterbend Dr. to Jeffy Trl to S End, Raymo...
Cottage Grove Road Interstate Crossing	\$400,000	Cottage Grove Rd at 1-39/94
Unallocated	\$200,000	Citywide - to be determined

Insert Minor Project

Service Level

What are the end products (asset or infrastructure type) provided by this program?

<i>End Product</i>	<i>Product Unit</i>	<i># of Units Provided</i>
Water Network	Miles	2

Insert End Product

On average, what is the standard useful life for assets maintained by this program?

100 years

Is the City currently on track for meeting this standard?

Yes No

Program Goals

What is the program's desired outcome for the customer?

Improved water service and hydraulic capacity.

How is the outcome currently being measured?

Breaks per year per 100 miles of pipe.

Operating Costs

What are the ongoing operating costs associated with proposed projects within the program?

There will be reduced operating costs within these project areas as a result of this program.

Matching Funds

Have matching funds been secured for any projects within the program?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This program replaces and upgrades existing water mains on City Pavement Management Projects. Assessment of an aging infrastructure indicates the Utility must replace or rehabilitate over 400 miles of pipe over a 40 year period to renew and maintain the system. This program works in conjunction with the timing of several Engineering Pavement Management projects.

Proposal Type

Section 2: Budget Information

Budget by Year

<i>Funding Source</i>	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text"/>	4,400,000	4,576,000	4,759,000	4,949,000	5,147,000	5,353,000
Total	\$4,400,000	\$4,576,000	\$4,759,000	\$4,949,000	\$5,147,000	\$5,353,000
<input type="checkbox"/> Insert Funding Source						
<i>Expense Category</i>	2018	2019	2020	2021	2022	2023
Water Network <input type="text"/>	4,400,000	4,576,000	4,759,000	4,949,000	5,147,000	5,353,000
Total	\$4,400,000	\$4,576,000	\$4,759,000	\$4,949,000	\$5,147,000	\$5,353,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

<i>Minor Project Name</i>	<i>Estimated Cost</i>	<i>Minor Project Location</i>
E Dayton Street	\$100,000	N Blount St to N Livingston St
E Gilman St, N Pinckney St	\$200,000	Wisconsin Ave to N Butler St, E Gorham St to E Gilman St
Shepard Terr, Mason St, Chamberlain Ave, Van Hise Ave	\$460,000	South End to North End, N Franklin Ave to Shepard Terr
N Blackhawk Ave	\$390,000	Bluff St to University Ave
Heather Crest	\$120,000	N Owen Dr to N Meadow Ln
Bruce Ct	\$100,000	Lucia Crest to N End
Anchorage Ave, Beach St, Cable Ave, Hawser Rd	\$400,000	S Rosa Rd to Beach St, Anchorage Ave to S End, Beach St to South Hill Dr...
Westmorland Blvd	\$200,000	Hillcrest Dr to Mineral Point Rd
Holly Ave, Euclid Ave, Toepfer Ave, St. Clair St	\$840,000	Paunack Ave to Birch Ave, Holly Ave to Toepfer Ave, Mineral Point Rd to...
Flint Ln, Charleen Ln, Lois Ln, Walker Dr, Ralph Cir, Beehne...	\$70,000	Lois Ln-Walker Dr to Meadowlark Dr
Darwin Rd	\$300,000	Packers Ave to International Ln
Schenk St, Richard St	\$550,000	Milwaukee St to Tulane Ave, Walter St to Schenk St
Hillcrest Dr	\$200,000	Speedway Rd to Glenway St
W Dayton St	\$350,000	N Park St to N Charter St
Highland Ave Water Main Phase 2	\$120,000	Campus Dr to University Ave

 Insert Minor Project

Service Level

What are the end products (asset or infrastructure type) provided by this program?

<i>End Product</i>	<i>Product Unit</i>	<i># of Units Provided</i>
Water Network <input type="text"/>	Miles	5

 Insert End Product

On average, what is the standard useful life for assets maintained by this program?

Ductile iron water main has an expected service life of 100 years.

Is the City currently on track for meeting this standard?

Yes No

Program Goals

What is the program's desired outcome for the customer?

To reduce water main breaks and customer service interruptions.

How is the outcome currently being measured?

Breaks per year per 100 miles of pipe.

Operating Costs

What are the ongoing operating costs associated with proposed projects within the program?

There will be reduced operating costs within these project areas as a result of this program as replacing water mains will result in fewer main breaks, therefore reducing operating costs.

Matching Funds

Have matching funds been secured for any projects within the program?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This program focuses on using pipe lining to upgrade existing pipes in the water network. Lining the pipe instead of replacing the pipe can lengthen the useful life of the pipe for a lower cost. This will allow the Utility to rehabilitate more pipe in any given budget year.

Proposal Type

Section 2: Budget Information

Budget by Year

<i>Funding Source</i>	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value="v"/>	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000	1,217,000
Total	\$1,000,000	\$1,040,000	\$1,082,000	\$1,125,000	\$1,170,000	\$1,217,000
<input type="checkbox"/> Insert Funding Source						
<i>Expense Category</i>	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value="v"/>	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000	1,217,000
Total	\$1,000,000	\$1,040,000	\$1,082,000	\$1,125,000	\$1,170,000	\$1,217,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

<i>Minor Project Name</i>	<i>Estimated Cost</i>	<i>Minor Project Location</i>
2018 Pipe Lining Projects	\$1,000,000	City Wide - to be determined

 Insert Minor Project

Service Level

What are the end products (asset or infrastructure type) provided by this program?

<i>End Product</i>	<i>Product Unit</i>	<i># of Units Provided</i>
Water Network <input type="text" value="v"/>	Miles	2

 Insert End Product

On average, what is the standard useful life for assets maintained by this program?

Is the City currently on track for meeting this standard?

Yes No

Program Goals

What is the program's desired outcome for the customer?

How is the outcome currently being measured?

Operating Costs

What are the ongoing operating costs associated with proposed projects within the program?

Matching Funds

Have matching funds been secured for any projects within the program?

Yes No

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This program replaces and upgrades existing water mains. Assessment of an aging infrastructure indicates the Utility must replace or rehabilitate over 400 miles of pipe in over a 40 year period to renew and maintain the system. This program works in conjunction with the timing of several Engineering - Major Streets Reconstruction Streets projects.

Proposal Type

Section 2: Budget Information

Budget by Year

<i>Funding Source</i>	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value="▼"/>	4,250,000	4,420,000	4,597,000	4,781,000	4,972,000	5,171,000
Total	\$4,250,000	\$4,420,000	\$4,597,000	\$4,781,000	\$4,972,000	\$5,171,000
<input type="checkbox"/> Insert Funding Source						
<i>Expense Category</i>	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value="▼"/>	4,250,000	4,420,000	4,597,000	4,781,000	4,972,000	5,171,000
Total	\$4,250,000	\$4,420,000	\$4,597,000	\$4,781,000	\$4,972,000	\$5,171,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

<i>Minor Project Name</i>	<i>Estimated Cost</i>	<i>Minor Project Location</i>
Monroe St	\$1,100,000	Regent St to Odana Rd
S Pinckney St	\$10,000	W Doty St to W Wilson St
N Blair St	\$70,000	E Washington Ave to E Gorham St
N Hancock St	\$200,000	E Washington Ave to E Johnson St
S Livingston St	\$150,000	E Washington Ave E Wilson St
N Prospect Ave	\$50,000	Chadbourne Ave to Van Hise Ave
Gilson St	\$100,000	W Lakeside St to W Olin Ave
Pine St	\$90,000	Gilson St to Beld St
Winnebago St, Linden Ave	\$400,000	S Second St to Bashford Ave, Winnebago St to Rusk St
S Bryan St, Daley Dr, James St, Thorp St	\$600,000	Milwaukee St to Daley Dr, S Bryan St to W End, Daley Dr to S Fair Oaks A...
Emerson St, Lowell St	\$400,000	Hickory St to S Park St, W Lakeside St to W Olin Ave
Glenview Dr, Joylynn Dr, Groveland Terr	\$400,000	275' N of Woodlawn Dr to Parkview Dr, Parkview Dr to Tompkins Dr, To...
Davidson St, Hegg Ave, Drexel Ave, Lake Edge Blvd	\$500,000	Monona Dr to Drexel Ave, Davidson St to Lake Edge Blvd, Cottage Grove...
N Rusk Ave, Koster St	\$30,000	Koster St to W Badger Rd, Bram St to N Rusk Ave
Merill Springs Rd	\$150,000	Lake Mendota Dr to Risser Rd

 Insert Minor Project

Service Level

What are the end products (asset or infrastructure type) provided by this program?

<i>End Product</i>	<i>Product Unit</i>	<i># of Units Provided</i>
Water Network <input type="text" value="▼"/>	Miles	4

 Insert End Product

On average, what is the standard useful life for assets maintained by this program?

Ductile iron water main has an expected service life of 100 years.

Is the City currently on track for meeting this standard?

Yes No

Program Goals

What is the program's desired outcome for the customer?

To reduce water main breaks and customer service interruptions.

How is the outcome currently being measured?

Breaks per year per 100 miles of pipe.

Operating Costs

What are the ongoing operating costs associated with proposed projects within the program?

There will be reduced operating costs with these project areas as a result of this program due to fewer breaks and increased system capacity.

Matching Funds

Have matching funds been secured for any projects within the program?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project provides for miscellaneous project repair, improvements to Utility facilities, and security improvements.

Proposal Type

Section 2: Budget Information

Budget by Year

<i>Funding Source</i>	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value="v"/>	1,207,000	1,277,000	1,403,000	1,239,000	2,258,000	1,577,000
Total	\$1,207,000	\$1,277,000	\$1,403,000	\$1,239,000	\$2,258,000	\$1,577,000
<input type="checkbox"/> Insert Funding Source						
<i>Expense Category</i>	2018	2019	2020	2021	2022	2023
Building <input type="text" value="v"/>	1,207,000	1,277,000	1,403,000	1,239,000	2,258,000	1,577,000
Total	\$1,207,000	\$1,277,000	\$1,403,000	\$1,239,000	\$2,258,000	\$1,577,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Minor Projects

List the minor projects, estimated amounts and locations currently planned for 2017

<i>Minor Project Name</i>	<i>Estimated Cost</i>	<i>Minor Project Location</i>
Scada System Upgrade and Expansion	\$55,000	City Wide
Fiber Optic System Installation and Upgrade	\$60,000	City Wide
Flow Meter and VFD Conversion	\$150,000	City Wide
Various Facility Upgrade Projects	\$100,000	119 E Olin Ave
Meter and Fixed Network Program	\$364,000	City Wide
Facility Safety Additions, Olin Roof Fall Protection System	\$40,000	City Wide
Various Olin and Paterson Upgrades and Improvements	\$60,000	119 E Olin Ave and 110 S Paterson St
Unit Well and Reservoir Rehab and Maintenance	\$250,000	Well 30, Well 17, Well 11 and Well 18
Retrofit Chlorine Shutoff Valves at 4 Wells	\$37,000	Well 8, Well 20, Well 26 and Well 27
HMI Install	\$20,000	Well 29
Security Upgrades	\$71,000	City Wide
<input type="checkbox"/> Insert Minor Project		

Service Level

What are the end products (asset or infrastructure type) provided by this program?

<i>End Product</i>	<i>Product Unit</i>	<i># of Units Provided</i>
Building <input type="text" value="v"/>	Square Feet	TBD
<input type="checkbox"/> Insert End Product		

On average, what is the standard useful life for assets maintained by this program?

Is the City currently on track for meeting this standard?

Yes No

Program Goals

What is the program's desired outcome for the customer?

The program goal is less maintenance and a safer work environment. By repairing and maintaining an average of 5 facilities per year the water system provides consistent reliable service and minimal emergency repairs.

How is the outcome currently being measured?

This outcome will be measured by reduced emergency maintenance calls, reduced equipment breakdowns and facility outages and fewer accidents.

Operating Costs

What are the ongoing operating costs associated with proposed projects within the program?

O & M costs will decrease with the installation of more efficient equipment and new technology.

Matching Funds

Have matching funds been secured for any projects within the program?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will provide for hydraulic capacity improvements to the distribution system at Well 7. The project includes adding filters for improved water quality, and piping improvements to improve water distribution and fire protection in the N. Sherman Avenue and Schlimgen area.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>			866,000			
Total	\$0	\$0	\$866,000	\$0	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value=""/>			866,000			
Total	\$0	\$0	\$866,000	\$0	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

 Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

 New Asset Existing Asset

Is this project called for in an approved master plan?

 Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

Matching Funds

Have matching funds been secured for the project?

- Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project is for investigating alternatives to reduce the Cl concentrations at Well 14. Well 14 provides for the west side of Madison and it is in the Utility's best interests to maintain the water supply point in the system. Due to winter road salt operations on University Avenue and the surrounding neighborhoods chloride levels in the water pumped from Well 14 have been rising for several years.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value="▼"/>					801,000	4,160,000
Total	\$0	\$0	\$0	\$0	\$801,000	\$4,160,000

Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Land <input type="text" value="▼"/>					250,000	
Building <input type="text" value="▼"/>					551,000	4,160,000
Total	\$0	\$0	\$0	\$0	\$801,000	\$4,160,000

Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
<input type="text" value="Planning"/> <input type="text" value="▼"/>	<input type="text" value="Planning"/> <input type="text" value="▼"/>	<input type="text" value="Planning"/> <input type="text" value="▼"/>	<input type="text" value="Planning"/> <input type="text" value="▼"/>	<input type="text" value="Design Completion"/> <input type="text" value="▼"/>	<input type="text" value="Construction"/> <input type="text" value="▼"/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$25,550, supplies expense \$9,120 and purchased services \$293,493. This includes power, chemicals and supplies. These amounts are for 2024 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project constructs an iron, manganese and radium treatment system at Well 19 to address existing water quality issues. Iron, manganese and radium concentrations do not meet MWU levels of service thereby require treatment. Reduction in iron and manganese will reduce the risk of colored water events in the service area. Reduction in rising radium levels will bring the contaminate level down to well below the regulatory level.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>		4,081,000				
Total	\$0	\$4,081,000	\$0	\$0	\$0	\$0

 Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>		4,081,000				
Total	\$0	\$4,081,000	\$0	\$0	\$0	\$0

 Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	Construction Completion <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$110,000. These expenses include power, chemicals and various supplies. These amounts are for 2021 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project constructs an Iron and Manganese filter at Well 24 to address the water quality issues, colored water events, and customer complaints in the service area. Iron and manganese concentrations at Well 24 exceed Utility water quality standards and guidelines.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>						572,000
Total	\$0	\$0	\$0	\$0	\$0	\$572,000
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>						572,000
Total	\$0	\$0	\$0	\$0	\$0	\$572,000
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Schematic Design <input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project adds a filter to the Well 28 facility to remove the iron and manganese and reduce the incidence of colored water events in the system. Iron and manganese levels at Well 28 are above the Water Utility action goal.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>			577,000	4,408,000		
Total	\$0	\$0	\$577,000	\$4,408,000	\$0	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>			577,000	4,408,000		
Total	\$0	\$0	\$577,000	\$4,408,000	\$0	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$52,000. These expenses include power, chemical and various supplies. These amounts are for 2022 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project constructs an iron and manganese filter at Well 30. Iron and Manganese levels at Well 30 exceed established Water Utility water quality goals and increase the risk of colored water events and customer complaints. Filtration will improve water quality and reduce the need for system flushing while improving customer confidence.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>				600,000	4,584,000	
Total	\$0	\$0	\$0	\$600,000	\$4,584,000	\$0
<input type="checkbox"/> Insert Funding Source						
Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>				600,000	4,584,000	
Total	\$0	\$0	\$0	\$600,000	\$4,584,000	\$0
<input type="checkbox"/> Insert Expense Category						

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Design Completion <input type="text" value=""/>	Construction <input type="text" value=""/>	<input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$140,000. These expenses include power, chemicals and various supplies. These amounts are for 2023 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Proposal Name

Munis

Proposal Description

This project will construct Unit Well 31. Construction began in 2015 with the construction of a site ground reservoir. The project will improve fire protection capacity to the far SE corner of the service area. The addition of the second well to Pressure Zone 4 will provide needed supply redundancy thereby improving reliability and balancing water pressure throughout the area.

Proposal Type

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>		511,000				575,000
Total	\$0	\$511,000	\$0	\$0	\$0	\$575,000

 Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Water Network <input type="text" value=""/>		511,000				575,000
Total	\$0	\$511,000	\$0	\$0	\$0	\$575,000

 Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
<input type="text" value="Construction"/>	<input type="text" value="Construction"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="Construction"/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

What is the desired outcome of the proposed project?

How will this outcome be measured?

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

What's the annual operating costs associated with the project?

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$57,000. These expenses include power, chemicals and various supplies. These amounts are for 2024 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit

Capital Budget Proposals

Section 1: Identifying Information

Agency

Water Utility

Proposal Name

Zones 7 & 8 Supply: Whitney Way

Munis

10438

Proposal Description

This project constructs an additional Well to serve Madison's west side. Long term growth in the area has strained current water supply capacity. The well will provide the opportunity to supply 5 different pressure zones or essentially the whole west side of Madison. This will provide needed operational flexibility to the water system.

Proposal Type

Project

Section 2: Budget Information

Total Project Budget

Budget by Year

Funding Source	2018	2019	2020	2021	2022	2023
Revenue Bonds-Water <input type="text" value=""/>				15,000	495,000	1,142,000
Total	\$0	\$0	\$0	\$15,000	\$495,000	\$1,142,000

Insert Funding Source

Expense Category	2018	2019	2020	2021	2022	2023
Building <input type="text" value=""/>				15,000	495,000	1,142,000
Total	\$0	\$0	\$0	\$15,000	\$495,000	\$1,142,000

Insert Expense Category

Section 3: Proposal

Project Status

What is the location of the proposed project?

To be determined. Whitney Way and Mineral Point Road Area.

Is the property currently owned by the City of Madison?

Yes No

What is the current status of the project?

Planning

What is the planned schedule for the project?

2018	2019	2020	2021	2022	2023
Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Planning <input type="text" value=""/>	Construction <input type="text" value=""/>	Construction <input type="text" value=""/>

Project Justification

Is the proposed project the replacement of an existing asset or the construction of a new asset?

New Asset Existing Asset

Is this project called for in an approved master plan?

Yes No

If yes, discuss how does the proposed project meet the project requirements as defined in the plan?

Additional water supply needed to sustain level of service and provide operational flexibility.

What is the desired outcome of the proposed project?

Increased water supply capacity and improved operational flexibility and reliability.

How will this outcome be measured?

Reduced well operation time across the system, fewer anticipated interruptions of service and reduced number of hours on neighboring wells.

Operating Costs

Will the proposed project result in operational efficiencies and/or savings? Please Explain.

Improve water supply to the west side pressure zones 7 and 8. Being able to pump at a lower rate will reduce wear and tear on existing wells. Electrical power for water pumping will be the driving operational costs of the proposed new well. Variable speed equipment and high efficiency design will be used to minimize the impact of pump costs.

What's the annual operating costs associated with the project?

101,000

Describe, by major, the operating costs associated with the project. Include the number of newly created positions required by the project.

No new positions will be created by this project. We anticipate our annual expenses for this project to be; payroll expense \$16,000, supplies expense \$9,000 and purchased services \$76,000. These expenses include power, chemicals and various supplies. These amounts are for 2027 when the project is anticipated to be complete.

Matching Funds

Have matching funds been secured for the project?

Yes No

Re-Edit