Project Title: Meter Program

Agency Name: Water Utility Agency Number: 64

Project No: 1 Category: 3 & 4

Description:

Purchase and install new meters for residential customers. Periodic replacement and testing of water meters ranging in size from 5/8" to 10" in accordance with Public Service Commission of Wisconsin rules.

	Capital								
Project Budget:	Budget			F	uture	Year Estimate	es		
	2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	\$ 0	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies)	0	383,000		391,000		399,000	407,000
Inter-Agency Charges	()	0	0		0		0	0
Loans)	0	0		0		0	0
Professional Fees)	0	0		0		0	0
Land & Land Improve	()	0	0		0		0	0
Building & Bldg Improve	()	0	0		0		0	0
Equipment and Vehicles)	0	0		0		0	0
Other		<u> </u>	0	 0		0		0	0
Total Project Costs	\$	<u>\$</u>	0	\$ 383,000	\$	391,000	\$	399,000	\$ 407,000
Funding Sources:									
Federal Sources	\$	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources	()	0	0		0		0	0
Impact Fees	()	0	0		0		0	0
Private Contributions	()	0	0		0		0	0
Revenue Bonds	()	0	383,000		391,000		399,000	407,000
Special Assessments	()	0	0		0		0	0
TIF Cash	()	0	0		0		0	0
Carry-Forward Applied	()	0	0		0		0	0
Reserves Applied)	0	0		0		0	0
Other		<u> </u>	0	0		0		0	0
Total Other Sources	\$	<u>\$</u>	0	\$ 383,000	\$	391,000	\$	399,000	\$ 407,000
General Obligation Debt	\$	<u> </u>	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Meter Program	
Agency Name: Project No:	Water Utility 1	Agency Number: 64 Category: 3 & 4
Section 1		
Is this the project's first	year? No	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	oroject in previous years: Ongo	ing
Fund # Agency #	EW01 Water Utility h20 810454 Meter Program-Water Utili	
Section 2 Describe to	he impact of this project upon the operat	ina budaet.
	ne Operating Budget as the program cos	ts are capitalized. Additional revenue is generated
	project impact any results tracked by Ma antify the potential impacts to the extent	dison Measures? If so, which measure(s)?
No		
Section 4 Justificatio	n. Why is this project important? What	is the impact of not including it in the Budget?
Growth drives the nee	ed for new meters and older meters need	replacement.

Project Title: Water Mains - Replacements

Agency Name: Water Utility Agency Number: 64

Project No: 2 Category: 4

Description:

Madison Water Utility has a planned system replacement and upgrade program that provides for annual main replacements. The Utility needs to replace over 400 miles of pipe in approximately the next 40 years to renew the system. A planned annual increase in spending to accomplish this goal by the year 2050 will be continued. The Utility's Water Master Plan also recommends hydraulic improvements to the system. The Capital Improvement Plan proposes to significantly increase pipeline investment beginning in year 2015, and then increase this portion of the budget over the next 15 years to meet Master Plan recommendations.

	Capital	Ī									
Project Budget:	Budget			F	uture	Year Estimat	es				
	 2012		2013	2014		2015		2016		2017	
Expenditures:											
Purchased Services	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$	0	
Materials & Supplies	0		0	0		0		0		0	
Inter-Agency Charges	0		0	0		0		0		0	
Loans	0		0	0		0		0		0	
Professional Fees	0		0	0		0		0		0	
Land & Land Improve	0		0	0		0		0		0	
Building & Bldg Improve	7,816,000		7,869,000	9,050,000		9,593,000		10,169,000		10,780,000	
Equipment and Vehicles	0		0	0		0		0		0	
Other	 0		0	 0		0		0		0	
Total Project Costs	\$ 7,816,000	\$	7,869,000	\$ 9,050,000	\$	9,593,000	\$	10,169,000	\$	10,780,000	
Funding Sources:											
Federal Sources	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$	0	
State Sources	0		0	0		0	-	0	-	0	
Impact Fees	0		0	0		0		0		0	
Private Contributions	0		0	0		0		0		0	
Revenue Bonds	7,816,000		7,869,000	9,050,000		9,593,000		10,169,000		10,780,000	
Special Assessments	0		0	0		0		0		0	
TIF Cash	0		0	0		0		0		0	
Carry-Forward Applied	0		0	0		0		0		0	
Reserves Applied	0		0	0		0		0		0	
Other	0		0	0		0		0		0	
Total Other Sources	\$ 7,816,000	\$	7,869,000	\$ 9,050,000	\$	9,593,000	\$	10,169,000	\$	10,780,000	
General Obligation Debt	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$	0	

Project Title:	Water Mai	ns - Replaceme	ents				
Agency Name: Project No:	Water Utilit 2	ry .				Agency Number: Category:	64 4
Section 1							
Is this the project's first	year?	No					
If yes, skip to Section 2 If no, fill in the following							
Amount spent on this p	roject in pre	vious years:	C	Ongoing			
Fund # Agency # Section 2 Describe the	EW01 810455	Water Utility Water Mains-Water this project upor	·				
Decreased repair cost service. There would conservation goals.	s and fewer	main breaks, im	proved p	umping hydi	raulics, fire hyd		
		ct any results tra tential impacts to			asures? If so,	, which measure(s)?	
Main Replacements - approximately seven (316,000 ir	n funding tha	at will allow for	the replacement of	

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

Replacing our infrastructure in a timely manner is critical to maintaining the current level of service to our customers. Older mains require replacement and taking advantage of street reconstruction projects reduces inconveniences to customers and reduces the cost of the project through the shared effort. If we reduce the amount of replacement work, we would only be delaying the needed infrastructure replacement and we would see increasing cost due to inflation.

Project Title: Water Mains - New

Agency Name: Water Utility Agency Number: 64

Project No: 3 Category: 3

Description:

Install new water mains to help strengthen 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. Mains installed within this project will implement recommended improvements from the Utility's Master Plan that was adopted in year 2006.

	Capital	7											
Project Budget:	Budget		Future Year Estimates										
	2012		2013		2014		<u>2015</u>		<u>2016</u>		<u>2017</u>		
Expenditures:													
Purchased Services	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0		
Materials & Supplies	0		0		0		0		0		0		
Inter-Agency Charges	0		0		0		0		0		0		
Loans	0		0		0		0		0		0		
Professional Fees	0		0		0		0		0		0		
Land & Land Improve	0		0		0		0		0		0		
Building & Bldg Improve	835,000		893,000		1,027,000		3,289,000		3,482,000		3,687,000		
Equipment and Vehicles	0		0		0		0		0		0		
Other	0		0		0		0		0		0		
Total Project Costs	\$ 835,000	\$	893,000	\$	1,027,000	\$	3,289,000	\$	3,482,000	\$	3,687,000		
Funding Sources:													
Federal Sources	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0		
State Sources	0		0		0		0		0		0		
Impact Fees	0		0		0		0		0		0		
Private Contributions	0		0		0		0		0		0		
Revenue Bonds	835,000		893,000		1,027,000		3,289,000		3,482,000		3,687,000		
Special Assessments	0		0		0		0		0		0		
TIF Cash	0		0		0		0		0		0		
Carry-Forward Applied	0		0		0		0		0		0		
Reserves Applied	0		0		0		0		0		0		
Other	0		0		0		0		0		0		
Total Other Sources	\$ 835,000	\$	893,000	\$	1,027,000	\$	3,289,000	\$	3,482,000	\$	3,687,000		
General Obligation Debt	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0		

Project Title:	Water Mains - New	
Agency Name: Project No:	Water Utility 3	Agency Number: 64 Category: 3
Section 1		
Is this the project's first	year? No	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	roject in previous years: Ongoing	
Fund # Agency #	EW01 Water Utility h20 810455 Water Mains-Water Utility	
Section 2 Describe th	ne impact of this project upon the operating budget.	
customers served.	on operating budget. Costs are capitalized. There may	
	project impact any results tracked by Madison Measures antify the potential impacts to the extent possible.	? If so, which measure(s)?
No		
Section 4 Justification	n. Why is this project important? What is the impact of	not including it in the Budget?
New mains will correct	t deficiencies, improve service and reduce complaints all service to growing areas of the City.	

Project Title: SCADA System

Agency Name: Water Utility Agency Number: 64

Project No: 4 Category: 4

Description:

SCADA (Supervisory Control and Data Acquisition) System. This system allows the Utility to remotely control and monitor its wells, booster stations and reservoirs from a central station. The computer system requires regular and routine upgrades to maintain effectiveness.

	Capital	Ĩ							
Project Budget:	Budget			F	utur	e Year Estimate	es		
	2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies	32,000		34,000	36,000		38,000		250,000	263,000
Inter-Agency Charges	0		0	0		0		0	0
Loans	0		0	0		0		0	0
Professional Fees	0		0	0		0		0	0
Land & Land Improve	0		0	0		0		0	0
Building & Bldg Improve	0		0	0		0		0	0
Equipment and Vehicles	0		0	0		0		0	0
Other	 0		0	0		0		0	 0
Total Project Costs	\$ 32,000	\$	34,000	\$ 36,000	\$	38,000	\$	250,000	\$ 263,000
Funding Sources:									
Federal Sources	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources	0		0	0		0		0	0
Impact Fees	0		0	0		0		0	0
Private Contributions	0		0	0		0		0	0
Revenue Bonds	32,000		34,000	36,000		38,000		250,000	263,000
Special Assessments	0		0	0		0		0	0
TIF Cash	0		0	0		0		0	0
Carry-Forward Applied	0		0	0		0		0	0
Reserves Applied	0		0	0		0		0	0
Other	0		0	0		0		0	 0
Total Other Sources	\$ 32,000	\$	34,000	\$ 36,000	\$	38,000	\$	250,000	\$ 263,000
General Obligation Debt	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	SCADA System	
Agency Name: Project No:	Water Utility 4	Agency Number: 64 Category: 4
Section 1		
Is this the project's first	year? No	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	roject in previous years: Ongoing	
Fund # Agency #	EW01 Water Utility h20 Unit Wells-Water Utility	
Section 2 Describe the	ne impact of this project upon the operating budg	et.
An updated SCADA sy	stem continues to improve operational efficiency	and reduce labor costs.
	project impact any results tracked by Madison Me antify the potential impacts to the extent possible.	• • • • • • • • • • • • • • • • • • • •
No		
Section 4 Justificatio	n. Why is this project important? What is the imp	pact of not including it in the Budget?
	onitor and control the system remotely is critical t	

Project Title: Zone 4 Fire Flow Supply Augmentation

Agency Name: Water Utility Agency Number: 64

Project No: 5 Category: 4

Description:

The proposed well, pump station, and reservoir on the southeast side will provide a new source of water supply to improve service levels, system redundancy and reliability to Pressure Zone 4. The Public Participation Process began in year 2009, and a site will be identified and purchased in 2012. A test well and production well will be drilled as well as the design of the unit well, pump house and reservoir in year 2012, followed by construction of the well, pump house, and reservoir in 2013. Pipeline Work is scheduled for year 2015.

	Capital]										
Project Budget:	Budget		Future Year Estimates									
	2012		<u>2013</u>		2014		<u>2015</u>		<u>2016</u>		<u>2017</u>	
Expenditures:												
Purchased Services	\$ 25,000	\$	0	\$	0	\$	0	\$	0	\$	0	
Materials & Supplies	0		0		0		0		0		0	
Inter-Agency Charges	0		0		0		0		0		0	
Loans	0		0		0		0		0		0	
Professional Fees	416,000		312,000		0		0		0		0	
Land & Land Improve	100,000		0		0		0		0		0	
Building & Bldg Improve	620,000		5,201,000		0		1,217,000		0		0	
Equipment and Vehicles	0		0		0		0		0		0	
Other	0		0		0		0		0		0	
Total Project Costs	\$ 1,161,000	\$	5,513,000	\$	0	\$	1,217,000	\$	0	\$	0	
Funding Sources:												
Federal Sources	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0	
State Sources	0		0		0		0		0		0	
Impact Fees	0		0		0		0		0		0	
Private Contributions	0		0		0		0		0		0	
Revenue Bonds	1,161,000		5,513,000		0		1,217,000		0		0	
Special Assessments	0		0		0		0		0		0	
TIF Cash	0		0		0		0		0		0	
Carry-Forward Applied	0		0		0		0		0		0	
Reserves Applied	0		0		0		0		0		0	
Other	0		0		0		0		0		0	
Total Other Sources	\$ 1,161,000	\$	5,513,000	\$	0	\$	1,217,000	\$	0	\$	0	
General Obligation Debt	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0	

Project Title:	Zone 4 Fire Flow Supply Augmentation		
Agency Name: Project No:	Water Utility 5	Agency Number: Category:	64 4
Section 1			
Is this the project's firs	t year? No		
If yes, skip to Section a If no, fill in the following			
Amount spent on this p	project in previous years: \$\ \ \\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Fund # Agency #	EW01 Water Utility h20 810517 New Wells/Water		
There will be no impa	the impact of this project upon the operating budget. act on the operating budget until this well is placed into service in power, chemicals, and maintenance costs of approximate e offset by additional water sales from our expanded customia.	ly \$125,000. The increase	
	project impact any results tracked by Madison Measures? If antify the potential impacts to the extent possible.	so, which measure(s)?	
No			
Section 4 Justification	on. Why is this project important? What is the impact of not in	ncluding it in the Budget?	

The Zone 4 Fire Flow Supply Augmentation project will correct a significant system deficiency identified by the Water Master Plan in the southeast corner of the system. Due to significant expansion to the south over the years, the hydraulics of the system will not adequately serve this area for fire flow supply or system reliability and redundancy. There is also significant development pressure in the southeast and this project will support further development of the area. Adding a second source of supply to the area will improve fire flow capacity and bring

Project Title: Arbor Hills Supp. Fire Flow Supply

Agency Name: Water Utility Agency Number: 64

Project No: 6 Category: 3

Description:

Construct a booster pump station and pipeline to allow the transfer of water from Pressure Zone 6 to Pressure Zone 7 to improve hydraulics and defer the need for additional supply in Pressure Zone 7. A site for the pump station was selected and purchased in year 2010. The design was completed and construction of the booster station will begin in fall of 2011, and is scheduled to be finished and in service in 2012. Pipeline improvements will be constructed in years 2012 & 2013.

	С	apital									
Project Budget:	В	Budget				F	uture	Year Estimate	es		
	2	2012		2013		2014		<u>2015</u>	<u>2016</u>	<u>2016</u>	
Expenditures:											
Purchased Services	\$	0	\$	0	\$	0	\$	0	\$	\$	0
Materials & Supplies		0		0		0		0	()	0
Inter-Agency Charges		0		0		0		0	()	0
Loans		0		0		0		0	()	0
Professional Fees		0		0		0		0	()	0
Land & Land Improve		0		0		0		0)	0
Building & Bldg Improve		1,000,000		750,000		0		0)	0
Equipment and Vehicles		0		0		0		0)	0
Other		0		0		0		0		<u> </u>	0
Total Project Costs	\$	1,000,000	\$	750,000	\$	0	\$	0	\$) \$	0
Funding Sources:											
Federal Sources	\$	0	\$	0	\$	0	\$	0	\$	\$	0
State Sources		0		0		0		0	()	0
Impact Fees		0		0		0		0)	0
Private Contributions		0		0		0		0)	0
Revenue Bonds		1,000,000		750,000		0		0)	0
Special Assessments		0		0		0		0)	0
TIF Cash		0		0		0		0)	0
Carry-Forward Applied		0		0		0		0)	0
Reserves Applied		0		0		0		0)	0
Other		0		0		0		0		<u> </u>	0
Total Other Sources	\$	1,000,000	\$	750,000	\$	0	\$	0	\$	<u>\$</u>	0
General Obligation Debt	\$	0	\$	0	\$	0	\$	0	\$	<u> </u>	0

Project Title:	Arbor Hil	ls Supp. Fire	Flow Sup	pply							
Agency Name: Project No:	Water Util 6	ity					Age	ncy Number Category			
Section 1											
Is this the project's	first year?	No									
If yes, skip to Sect If no, fill in the follo											
Amount spent on t	his project in pr	evious years:		\$	72,105						
Fund # Agency #	EW01 810516	Water Utility Booster Station	h20 n/Water								
Section 2 Describe the impact of this project upon the operating budget.											
There will be no i additional \$10,00				Once th	ne boos	ter station	is in oper	ation, we an	ticipate an		
	this project imp e quantify the p						f so, whicl	n measure(s)	?		
No											

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

The Arbor Hills Supplemental Fire Flow Supply will correct a significant system deficiency identified by the Water Master Plan. Due to the fact that the area is fed by a single 8-inch main on the Beltline Highway frontage road, the area is vulnerable to water outages and there is a significant restriction in fire flow capacity. This project will provide the ability to transfer water from Well #18 in Pressure Zone 6. The Project includes a pipeline on the Cannonball Run Bike Trail that will link the area to the Verona Road Area.

Project Title: East Side Water Supply Project

Agency Name: Water Utility Agency Number: 64

Project No: 7 Category: 4

Description:

This project is intended to combine four projects into one that will evaluate water demand needs, water quality issues, and long term planning for the near east side of Madison. A replacement for Well #3, water quality issues at Wells #7, 8 and 15, and regional supply needs will be evaluated with regard to current conservation and water use trends.

	Capital								
Project Budget:	Budget		F	utur	e Year Estimate	es			
	2012	2013	2014		2015		2016	2017	
Expenditures:									
Purchased Services	\$ 521,000	\$ 453,000	\$ 20,000	\$	0	\$	20,000	\$ 0	
Materials & Supplies	0	0	0		0		0	0	
Inter-Agency Charges	0	0	0		0		0	0	
Loans	0	0	0		0		0	0	
Professional Fees	146,000	356,000	292,000		0		540,000	360,000	
Land & Land Improve	650,000	450,000	0		0		0	0	
Building & Bldg Improve	2,430,000	4,680,000	5,017,000		1,427,000		1,250,000	6,504,000	
Equipment and Vehicles	0	0	0		0		0	0	
Other	0	 0	 0		0		0	 0	
Total Project Costs	\$ 3,747,000	\$ 5,939,000	\$ 5,329,000	\$	1,427,000	\$	1,810,000	\$ 6,864,000	
Funding Sources:									
Federal Sources	\$ 0	\$ 0	\$ 0	\$	0	\$	0	\$ 0	
State Sources	0	0	0		0		0	0	
Impact Fees	0	0	0		0		0	0	
Private Contributions	0	0	0		0		0	0	
Revenue Bonds	3,747,000	5,939,000	5,329,000		1,427,000		1,810,000	6,864,000	
Special Assessments	0	0	0		0		0	0	
TIF Cash	0	0	0		0		0	0	
Carry-Forward Applied	0	0	0		0		0	0	
Reserves Applied	0	0	0		0		0	0	
Other	0	0	0		0		0	0	
Total Other Sources	\$ 3,747,000	\$ 5,939,000	\$ 5,329,000	\$	1,427,000	\$	1,810,000	\$ 6,864,000	
General Obligation Debt	\$ 0	\$ 0	\$ 0	\$	0	\$	0	\$ 0	

East Side Water Supply Project

Agency Name: Project No:	Water Utility 7	Agency Number: Category:	64 4
Section 1			
Is this the project's first	t year? No		
If yes, skip to Section 2 If no, fill in the following			
Amount spent on this p	project in previous years: \$ 209,840		
Fund # Agency #	EW01 Water Utility h20 810517 New Wells/Water		
There will be no impa	he impact of this project upon the operating budget. output output ct on the operating budget in 2012. The effects on the operatin	g budgets in future yea	rs are
unclear until the East	Side Water Supply Project study has been completed.		

Section 3 Does this project impact any results tracked by Madison Measures? If so, which measure(s)? Please quantify the potential impacts to the extent possible.

Water Quality - Turbidity, Manganese, and Iron

Project Title:

This project continues funding for solutions to the Iron and Manganese issues at unit wells #7 and 8. Filters - whether individual or a central filtration plant - will help the Utility toward its goal of turbidity at 1 ntu, manganese less than 50 ppb and iron less than 300 ppb.

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

This project addresses the East Side Water Supply issues and is necessary to continue to supply water to the east side that is high quality and sufficient in quantity.

Project Title: Pressure Zone 9 Storage

Agency Name: Water Utility Agency Number: 64

Project No: 8 Category: 3

Description:

Construct a 750,000 gallon elevated reservoir to serve Pressure Zone 9 in the southwest corner of the City. The Public Participation Process will begin in year 2013, with property purchase and design anticipated in 2014, and construction in 2015.

	Capital								
Project Budget:	Budget			F	uture	e Year Estimate	es		
	2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	0	\$ 53,000	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies		0	0	0		0		0	0
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees		0	0	168,000		126,000		0	0
Land & Land Improve		0	0	300,000		0		0	0
Building & Bldg Improve		0	0	0		2,505,000		0	0
Equipment and Vehicles		0	0	0		0		0	0
Other		0	0	 0		0		0	0
Total Project Costs	\$	0	\$ 53,000	\$ 468,000	\$	2,631,000	\$	0	\$ 0
Funding Sources:									
Federal Sources	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds		0	53,000	468,000		2,631,000		0	0
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other		0	0	 0		0		0	0
Total Other Sources	\$	0	\$ 53,000	\$ 468,000	\$	2,631,000	\$	0	\$ 0
General Obligation Debt	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0

Project Title	:	Pressure 2	Zone 9 Storage				
Agency Nan Project No:	ne:	Water Utilit 8	Agency Number: Category:	64 3			
Section 1							
Is this the pro	oject's first	year?	Yes				
If yes, skip to If no, fill in th							
Amount sper	nt on this p	roject in pre	vious years:				
Fund # Agency #			No Specified Fund No Specified Agency				
Section 2	Describe th	ne impact of	this project upon th	e operating budge	et.		
	•		12 operating budge erating expenses.	t. Once the reser	voir is in operat	tion, we anticipate an	
			ct any results tracke tential impacts to the		asures? If so, v	which measure(s)?	
No							

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

The Pressure Zone 9 Storage project will correct a significant system storage deficiency in the Pressure Zone 9 area identified by the Water Utility Master Plan. Pressure Zone 9 has developed significantly with not only residential, but commercial and institutional facilities. The fire flow requirements have increased due to this development to the point that current facilities do not meet minimum standards. The Master Plan proposes to construct storage on the west side of the zone to hydraulically balance the system.

Project Title: Pressure Zones 7 & 8 Supp. Supply

Agency Name: Water Utility Agency Number: 64

Project No: 9 Category: 3

Description:

The well, pump station and reservoir on the near west side will provide a new source of water supply to improve service levels, system redundancy and reliability to Pressure Zones 7 & 8. The Public Participation Process began in year 2009. Property purchase and the drilling of a test well are scheduled in 2013, with a production well to be drilled in 2014. Design of the pumphouse is scheduled in year 2014 and construction of the well, pump house, and reservoir in 2015.

	Ca	pital							
Project Budget:	Bu	dget		F	uture	Year Estimate	es		
	2	012	2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	50,000	\$ 0	\$ 25,000	\$	0	\$	0	\$ 0
Materials & Supplies		0	0	0		0		0	0
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees		80,000	0	419,000		314,000		0	0
Land & Land Improve		0	250,000	0		0		0	0
Building & Bldg Improve		0	130,000	658,000		5,240,000		0	600,000
Equipment and Vehicles		0	0	0		0		0	0
Other		0	 0	0		0		0	 0
Total Project Costs	\$	130,000	\$ 380,000	\$ 1,102,000	\$	5,554,000	\$	0	\$ 600,000
Funding Sources:									
Federal Sources	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds		130,000	380,000	1,102,000		5,554,000		0	600,000
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other		0	 0	 0		0		0	0
Total Other Sources	\$	130,000	\$ 380,000	\$ 1,102,000	\$	5,554,000	\$	0	\$ 600,000
General Obligation Debt	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Pressure Zones 7 & 8 Supp. Supply		
Agency Name: Project No:	Water Utility 9	Agency Number: Category:	64 3
Section 1			
Is this the project's first	year? No		
If yes, skip to Section 2 If no, fill in the following			
Amount spent on this p	roject in previous years: \$ 52,211		
Fund # Agency #	EW01 Water Utility h20 810517 New Wells/Water		
There will be no impact we could see an increase we consider the could see an increase we can increase we consider the consideration of the could see an increase we can in	ne impact of this project upon the operating budget. ct on the operating budget until this well is placed into service is ase in power, chemicals, and maintenance costs of approximate project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	ely \$120,000.	ne,
This Supplemental Sup	n. Why is this project important? What is the impact of not incluoply project will provide additional water supply capacity to bot the Water Master Plan to address system supply issues projecte	th Pressure Zones 7 & 8	3. This

Project Title: Pump Station 220

Agency Name:Water UtilityAgency Number:64

Project No: 10 Category: 3

Description:

Construct a dual zone pump station that will transfer water from Pressure Zone 9 to Pressure Zone 10. This will provide operational flexibility and reduce the need for expanded supply capacity. This project is scheduled to begin in year 2017 and be completed in 2019.

			_							
	Capit	al								
Project Budget:	Budg	et			F	uture	Year Estimate	es		
	2012	<u>2</u>		2013	2014		2015		2016	2017
Expenditures:										
Purchased Services	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 60,000
Materials & Supplies		0		0	0		0		0	0
Inter-Agency Charges		0		0	0		0		0	0
Loans		0		0	0		0		0	0
Professional Fees		0		0	0		0		0	0
Land & Land Improve		0		0	0		0		0	0
Building & Bldg Improve		0		0	0		0		0	0
Equipment and Vehicles		0		0	0		0		0	0
Other		0		0	0		0		0	 0
Total Project Costs	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 60,000
Funding Sources:										
Federal Sources	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0		0	0		0		0	0
Impact Fees		0		0	0		0		0	0
Private Contributions		0		0	0		0		0	0
Revenue Bonds		0		0	0		0		0	60,000
Special Assessments		0		0	0		0		0	0
TIF Cash		0		0	0		0		0	0
Carry-Forward Applied		0		0	0		0		0	0
Reserves Applied		0		0	0		0		0	0
Other		0		0	 0		0		0	0
Total Other Sources	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 60,000
General Obligation Debt	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Pump Station 220											
Agency Name: Project No:	Water Utility 10	Agency Number: Category:	64 3									
Section 1												
Is this the project's first	year? Yes											
If yes, skip to Section 2 If no, fill in the following												
Amount spent on this p	roject in previous years:											
Fund # Agency #	No Specified Fund No Specified Agency											
Section 2 Describe the impact of this project upon the operating budget.												
	ct on the 2012 operating budget. Once the booster station is in ryear in operating expenses.	operation, we anticipat	e an									
	project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	which measure(s)?										
No												

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

The Pump Station 220 - Raymond Road Pump Station project will set up operational flexibility within Pressure Zones 9 and 10. The station will transfer water from Pressure Zone 9 to Pressure Zone 10 and back again through a PRV (Pressure Reducing Valve). This operation will provide the ability to share water supply resources between zones and fully use existing facilities.

Project Title: Lakeview Reservoir - Reconstruction

Agency Name: Water Utility Agency Number: 64

Project No: 11 Category: 4

Description:

Construct a two zone water storage reservoir to provide needed additional storage capacity for peak demand and fire flow reserves in Pressure Zones 5 & 6. This facility will also replace an aging elevated water reservoir in Pressure Zone 5. The Public Participation Process will begin in year 2012, with design also in 2012. Construction of the reservoir will begin in 2013, and be finished and in service in 2014, with water main improvements in years 2013 and 2014.

	(Capital											
Project Budget:	Е	Budget	Future Year Estimates										
		2012	2013			2014		<u>2015</u>		2016		2017	
Expenditures:													
Purchased Services	\$	50,000	\$	0	\$	0	\$	0	\$	0	\$	0	
Materials & Supplies		0		250,000		0		0		0		0	
Inter-Agency Charges		0		0		0		0		0		0	
Loans		0		0		0		0		0		0	
Professional Fees		213,000		142,000		0		0		0		0	
Land & Land Improve		0		0		0		0		0		0	
Building & Bldg Improve		0		2,772,000		1,000,000		0		0		0	
Equipment and Vehicles		0		0		0		0		0		0	
Other		0		0		0		0		0		0	
Total Project Costs	\$	263,000	\$	3,164,000	\$	1,000,000	\$	0	\$	0	\$	0	
Funding Sources:													
Federal Sources	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	
State Sources		0		0		0		0		0		0	
Impact Fees		0		0		0		0		0		0	
Private Contributions		0		0		0		0		0		0	
Revenue Bonds		263,000		3,164,000		1,000,000		0		0		0	
Special Assessments		0		0		0		0		0		0	
TIF Cash		0		0		0		0		0		0	
Carry-Forward Applied		0		0		0		0		0		0	
Reserves Applied		0		0		0		0		0		0	
Other		0		0		0		0		0		0	
Total Other Sources	\$	263,000	\$	3,164,000	\$	1,000,000	\$	0	\$	0	\$	0	
General Obligation Debt	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	

Project Title:	Lakeview Reservoir - Reconstruction		
Agency Name: Project No:	Water Utility 11	Agency Number: Category:	64 4
Section 1			
Is this the project's first	year? Yes		
If yes, skip to Section 2 If no, fill in the following			
Amount spent on this p	project in previous years:		
Fund # Agency #	EW01 Water Utility h20 810516 Booster Station/Water		
There will be no impa	he impact of this project upon the operating budget. ct on the 2012 operating budget. As this is a replacement of a t on the operating budget.	n existing reservoir, ther	·e
	project impact any results tracked by Madison Measures? If so an antify the potential impacts to the extent possible.	which measure(s)?	
No			
Section 4 Justificatio	n. Why is this project important? What is the impact of not incl	uding it in the Budget?	
	keview Reservoir will replace an aging storage tank and provide north side of the City. This project is justified in the Water Ut		

improve fire fighting capability within the system.

Project Title: Booster Pump Station 114

Agency Name: Water Utility Agency Number: 64

Project No: 12 Category: 3

Description:

Construct a dual zone pump station that will transfer water from the Main Pressure Zone to Pressure Zones 7 & 8. This will provide operational flexibility and fully utilize existing Utility facilities. This project is scheduled to begin in year 2016 and be completed in 2018.

	Capita	ıl							
Project Budget:	Budge	t		F	uture	Year Estimate	es		
	2012		2013	2014		2015		2016	<u>2017</u>
Expenditures:									
Purchased Services	\$	0	\$ 0	\$ 0	\$	0	\$	58,000	\$ 0
Materials & Supplies		0	0	0		0		0	0
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees		0	0	0		0		0	124,000
Land & Land Improve		0	0	0		0		0	0
Building & Bldg Improve		0	0	0		0		0	900,000
Equipment and Vehicles		0	0	0		0		0	0
Other		0	 0	 0		0		0	 0
Total Project Costs	\$	0	\$ 0	\$ 0	\$	0	\$	58,000	\$ 1,024,000
Funding Sources:									
Federal Sources	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds		0	0	0		0		58,000	1,024,000
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other		0	0	0		0		0	 0
Total Other Sources	\$	0	\$ 0	\$ 0	\$	0	\$	58,000	\$ 1,024,000
General Obligation Debt	\$	0	\$ 0	\$ 0	\$	0	\$	0	\$ 0

Project Title	:	Booster P	ump Station 114				
Agency Nam Project No:	ne:	Water Utilit 12	у			Agency Number: Category:	64 3
Section 1							
Is this the pro	oject's first	year?	Yes				
If yes, skip to If no, fill in the							
Amount spen	nt on this p	roject in pre	vious years:				
Fund # Agency #			No Specified Fund No Specified Agency				
Section 2	Describe th	ne impact of	this project upon the o	perating budge	et.		
			12 operating budget. (erating expenses.	Once the boost	ter station is in	operation, we anticip	ate an
			ct any results tracked b tential impacts to the ex		asures? If so,	which measure(s)?	
No							

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

The Booster Pump Station 114 project will provide the Utility with operational flexibility on the west side. The station will transfer water from Pressure Zone 6 to Pressure Zones 7 and 8 and back again through a PRV (Pressure Reducing Valve). This operation will provide flexibility in source of supply to the west side of the system. It will benefit customers through increased system reliability.

Project Title: North End Supplemental Supply

Agency Name: Water Utility Agency Number: 64

Project No: 13 Category: 3

Description:

Construction of a well, reservoir and pump station to provide additional drinking water supply to the extreme north end of the main pressure zone. The Public Participation Plan is scheduled to begin in year 2013, the drilling of a test well in 2014, and the drilling of a production well in 2015. Design of the pumphouse and reservoir commences in year 2015, and construction of Unit Well, Reservoir and Pump Station in 2016.

	Capital		Ī							
Project Budget:	Budget				F	uture	e Year Estimat	es		
	<u>2012</u>			<u>2013</u>	2014		<u>2015</u>		<u>2016</u>	<u>2017</u>
Expenditures:										
Purchased Services	\$	0	\$	53,000	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies		0		0	0		0		0	0
Inter-Agency Charges		0		0	0		0		0	0
Loans		0		0	0		0		0	0
Professional Fees		0		0	0		500,000		375,000	0
Land & Land Improve		0		0	0		0		0	0
Building & Bldg Improve		0		0	134,000		677,000		6,244,000	0
Equipment and Vehicles		0		0	0		0		0	0
Other		0		0	 0		0		0	 0
Total Project Costs	\$	0	\$	53,000	\$ 134,000	\$	1,177,000	\$	6,619,000	\$ 0
Funding Sources:										
Federal Sources	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0		0	0		0		0	0
Impact Fees		0		0	0		0		0	0
Private Contributions		0		0	0		0		0	0
Revenue Bonds		0		53,000	134,000		1,177,000		6,619,000	0
Special Assessments		0		0	0		0		0	0
TIF Cash		0		0	0		0		0	0
Carry-Forward Applied		0		0	0		0		0	0
Reserves Applied		0		0	0		0		0	0
Other		0		0	 0		0		0	 0
Total Other Sources	\$	0	\$	53,000	\$ 134,000	\$	1,177,000	\$	6,619,000	\$ 0
General Obligation Debt	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	North End Supplemental Supply	
Agency Name: Project No:	Water Utility 13	Agency Number: 64 Category: 3
Section 1		
Is this the project's firs	t year? Yes	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	project in previous years:	
Fund # Agency #	No Specified Fund No Specified Agency	
· ·	ect on the operating budget until this well is placed into service case in power, chemicals, and maintenance costs of approximate	
	project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	which measure(s)?
No		
Section 4 Justification	on. Why is this project important? What is the impact of not incl	uding it in the Budget?
• •	emental Water Supply - Hoepker Rd project will provide addition sure Zone 6. This well was identified in the Water Utility Maste	

supply issues projected in the future.

Project Title: Security Upgrades

Agency Name:Water UtilityAgency Number:64

Project No: 14 Category: 4

Description:

Miscellaneous projects to improve security and monitoring of the Utility's remote facilities. These projects include but are not necessarily limited to video camera surveillance, improved doors, improved hatches, fencing, alarm systems, and other online monitoring devices.

	(Capital	Ī							
Project Budget:		Budget			F	uture	e Year Estimate	es		
		2012		2013	2014		2015		2016	2017
Expenditures:										
Purchased Services	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies		100,000		104,000	108,000		112,000		116,000	121,000
Inter-Agency Charges		0		0	0		0		0	0
Loans		0		0	0		0		0	0
Professional Fees		0		0	0		0		0	0
Land & Land Improve		0		0	0		0		0	0
Building & Bldg Improve		0		0	0		0		0	0
Equipment and Vehicles		0		0	0		0		0	0
Other		0		0	0		0		0	 0
Total Project Costs	\$	100,000	\$	104,000	\$ 108,000	\$	112,000	\$	116,000	\$ 121,000
Funding Sources:										
Federal Sources	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0		0	0		0		0	0
Impact Fees		0		0	0		0		0	0
Private Contributions		0		0	0		0		0	0
Revenue Bonds		100,000		104,000	108,000		112,000		116,000	121,000
Special Assessments		0		0	0		0		0	0
TIF Cash		0		0	0		0		0	0
Carry-Forward Applied		0		0	0		0		0	0
Reserves Applied		0		0	0		0		0	0
Other		0		0	0		0		0	0
Total Other Sources	\$	100,000	\$	104,000	\$ 108,000	\$	112,000	\$	116,000	\$ 121,000
General Obligation Debt	\$	0	\$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Security Upgrades	
Agency Name: Project No:	Water Utility 14	Agency Number: 64 Category: 4
Section 1		
Is this the project's first	year? No	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	roject in previous years: Ongoing	
Fund # Agency #	EW01 Water Utility h20 810458 Misc Water Utility Capita	
Section 2 Describe the	ne impact of this project upon the operating budget.	
	project impact any results tracked by Madison Measures? If so,	which measure(s)?
No Please qua	antify the potential impacts to the extent possible.	
Section 4 Justificatio	n. Why is this project important? What is the impact of not inclu	iding it in the Budget?
Maintaining the safety	y and security of the water system is vital to the public. It is crit I of our remote facilities.	

Project Title: System Wide Miscellaneous Projects

Agency Name: Water Utility Agency Number: 64

Project No: 15 Category: 4

Description:

Miscellaneous projects to repair and improve Utility facilities. These projects include but are not necessarily limited to lighting, roofing, painting and other upgrades to the Utility's 32 remote sites, and to the administration and operations centers.

	Capital								
Project Budget:	Budget			F	uture	e Year Estimate	es		
	2012		<u>2013</u>	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	0 \$	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies	248,30	0	265,200	721,300		812,600		936,100	1,054,300
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees	61,00	0	67,000	74,000		81,000		89,000	98,000
Land & Land Improve		0	0	0		0		0	0
Building & Bldg Improve		0	0	0		0		0	0
Equipment and Vehicles		0	0	0		0		0	0
Other		0	0	 0		0		0	0
Total Project Costs	\$ 309,30	<u>0</u> \$	332,200	\$ 795,300	\$	893,600	\$	1,025,100	\$ 1,152,300
Funding Sources:									
Federal Sources	\$	0 \$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds	309,30	0	332,200	795,300		893,600		1,025,100	1,152,300
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other	-	0	0	 0		0		0	0
Total Other Sources	\$ 309,30	<u>0</u> <u>\$</u>	332,200	\$ 795,300	\$	893,600	\$	1,025,100	\$ 1,152,300
General Obligation Debt	\$	<u>0</u> \$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	System Wide Miscellaneous Projects	
Agency Name: Project No:	Water Utility 15	Agency Number: 64 Category: 4
Section 1		
Is this the project's first	t year? No	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	project in previous years: Ongoing	
Fund # Agency #	EW01 Water Utility h20 810458 Misc Water Utility Capita	
Section 2 Describe to	he impact of this project upon the operating budget.	
Anticipated improven	nent in efficiency and operation that has the potential to reduce	costs.
	project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	which measure(s)?
No		
Section 4 Justification	on. Why is this project important? What is the impact of not inclu	ding it in the Budget?
Routine maintenance	and improvement projects are required to sustain the facilities	for the long term.

Project Title: Paterson Street Building Remodel

Agency Name: Water Utility Agency Number: 64

Project No: 16 Category: 1 & 2

Description:

Major renovation of the Water Utility field operations center at 110 S Paterson Street, including the demolition and rebuilding of the vehicle maintenance facility. This project is scheduled to begin construction in year 2014 and be finished and in service in early 2015.

	Capital								
Project Budget:	Budget				uture	e Year Estimate	es		
	<u>2012</u>		<u>2013</u>	2014		<u>2015</u>		<u>2016</u>	<u>2017</u>
Expenditures:									
Purchased Services	\$	0 9	\$ 40,000	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies		0	0	0		350,000		0	0
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees		0	403,000	252,000		0		0	0
Land & Land Improve		0	0	0		0		0	0
Building & Bldg Improve		0	0	5,033,000		0		0	0
Equipment and Vehicles		0	0	0		0		0	0
Other	-	0	0	0		0		0	 0
Total Project Costs	\$	<u>o</u> <u>s</u>	\$ 443,000	\$ 5,285,000	\$	350,000	\$	0	\$ 0
Funding Sources:									
Federal Sources	\$	0 9	\$ 0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds		0	443,000	5,285,000		350,000		0	0
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other		0	0	 0		0		0	0
Total Other Sources	\$	0	\$ 443,000	\$ 5,285,000	\$	350,000	\$	0	\$ 0
General Obligation Debt	\$	0 9	\$ 0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Paterson Street Building Remodel		
Agency Name: Project No:	Water Utility 16	Agency Number: Category:	64 1 & 2
Section 1			
Is this the project's first	et year? Yes		
If yes, skip to Section If no, fill in the following			
Amount spent on this	project in previous years:		
Fund # Agency #	No Specified Fund No Specified Agency		
Slight increase due to New HVAC may have	the impact of this project upon the operating budget. o larger work area. e lower operating costs. area should increase efficiency.		
	project impact any results tracked by Madison Measures? If so, uantify the potential impacts to the extent possible.	which measure(s)?	
No			

The Utility's fleet maintenance facility has served its useful life. The repair bays do not provide a safe working

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

environment for employees and large trucks can not be easily handled with the low ceiling height. This facility is in need of major renovation to bring it up to current code and to increase its functionality to the Utility for

efficiency and safety purposes.

Project Title: Advanced Metering Infrastructure (AMI)

Agency Name: Water Utility Agency Number: 64

Project No: 17 Category: 4

Description:

Retrofit all existing water meters with a device that will allow the collection of meter readings via a fixed network system. No funding is included in the Capital Improvement Plan.

	Capital								
Project Budget:	Budget			F	uture	Year Estimate	es		
	2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	\$	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies	8,400,000)	3,600,000	0		0		0	0
Inter-Agency Charges	()	0	0		0		0	0
Loans)	0	0		0		0	0
Professional Fees)	0	0		0		0	0
Land & Land Improve	()	0	0		0		0	0
Building & Bldg Improve	()	0	0		0		0	0
Equipment and Vehicles)	0	0		0		0	0
Other		<u> </u>	0	0		0		0	0
Total Project Costs	\$ 8,400,000	\$	3,600,000	\$ 0	\$	0	\$	0	\$ 0
Funding Sources:									
Federal Sources	\$	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources	()	0	0		0		0	0
Impact Fees	()	0	0		0		0	0
Private Contributions)	0	0		0		0	0
Revenue Bonds	8,400,000)	3,600,000	0		0		0	0
Special Assessments)	0	0		0		0	0
TIF Cash)	0	0		0		0	0
Carry-Forward Applied)	0	0		0		0	0
Reserves Applied	()	0	0		0		0	0
Other		<u> </u>	0	 0		0		0	0
Total Other Sources	\$ 8,400,000	\$	3,600,000	\$ 0	\$	0	\$	0	\$ 0
General Obligation Debt	\$	<u> </u>	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Advanced Metering Infrastructure (AMI)		
Agency Name: Project No:	Water Utility 17	Agency Number: Category:	64 4
Section 1			
Is this the project's first	t year? No		
If yes, skip to Section 2 If no, fill in the following			
Amount spent on this p	project in previous years: \$ 2,000,000		
Fund # Agency #	Water Utility h20 Automated Metering System		
Reduction of meter re	lue to more frequent billing. g and mailing costs ts		
	project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	which measure(s)?	
No			
	on. Why is this project important? What is the impact of not include the Utility with the following handits:	uding it in the Budget?	
The project would pro	ovide the Utility with the following benefits:		

The ability to implement a water conservation (inclining block) rate structure and receive PSCW approval of such. The pulse style meter used may be discontinued by the manufacturer; we are currently sole sourced in our meter

The ability to do monthly billing.

purchases.

Project Title: Booster Station 106 - Rebuild

Agency Name: Water Utility Agency Number: 64

Project No: 18 Category: 4

Description:

Replace the 80 year old booster pump station at Glenway. The booster station moves water from Pressure Zone 6 to Pressure Zone 7, and provides a necessary source of water to the northeast corner of Pressure Zone 7.

	Capital	Ī							
Project Budget:	Budget			F	uture	Year Estimate	es		
	 2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$ 50,000	\$	0	\$ 0	\$	0	\$	0	\$ 0
Materials & Supplies	0		0	0		0		0	0
Inter-Agency Charges	0		0	0		0		0	0
Loans	0		0	0		0		0	0
Professional Fees	150,000		90,000	0		0		0	0
Land & Land Improve	0		0	0		0		0	0
Building & Bldg Improve	0		1,500,000	750,000		1,000,000		0	0
Equipment and Vehicles	0		0	0		0		0	0
Other	 0		0	 0		0		0	0
Total Project Costs	\$ 200,000	\$	1,590,000	\$ 750,000	\$	1,000,000	\$	0	\$ 0
Funding Sources:									
Federal Sources	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources	0		0	0		0		0	0
Impact Fees	0		0	0		0		0	0
Private Contributions	0		0	0		0		0	0
Revenue Bonds	200,000		1,590,000	750,000		1,000,000		0	0
Special Assessments	0		0	0		0		0	0
TIF Cash	0		0	0		0		0	0
Carry-Forward Applied	0		0	0		0		0	0
Reserves Applied	0		0	0		0		0	0
Other	0		0	0		0		0	0
Total Other Sources	\$ 200,000	\$	1,590,000	\$ 750,000	\$	1,000,000	\$	0	\$ 0
General Obligation Debt	\$ 0	\$	0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Booster Station 106 - Rebuild	
Agency Name: Project No:	Water Utility 18	Agency Number: 64 Category: 4
Section 1		
Is this the project's first	year? Yes	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	roject in previous years:	
Fund # Agency #	No Specified Fund No Specified Agency	
Section 2 Describe the	he impact of this project upon the operating budget.	
-	ct on the 2012 operating budget, as this is a replacement projec d equipment efficiencies.	t. Operation costs may go
	project impact any results tracked by Madison Measures? If so, vantify the potential impacts to the extent possible.	which measure(s)?
No		
Section 4 Justificatio	n. Why is this project important? What is the impact of not inclu-	ding it in the Budget?
The Rebuilt Booster P standards and codes,	ump Station #106 project is necessary to bring the pump station and to improve reliability of operation by the station. This facilit ressure Zone 6 to Pressure Zone 7.	up to current safety

Project Title: Zone 11 - Blackhawk Elevated Storage

Agency Name: Water Utility Agency Number: 64

Project No: 19 Category: 3

Description:

Construct a one million gallon elevated storage reservoir on the far west side of the service area to serve developing areas and provide fire protection to Pressure Zone 11. This project is projected to begin in year 2015 and be completed in 2017.

	Сар	ital	Ī								
Project Budget:	Bud	lget				F	uture	Year Estimat	es		
	20	12		2013	2014			2015		2016	2017
Expenditures:											
Purchased Services	\$	0	\$	0	\$	0	\$	56,000	\$	0	\$ 0
Materials & Supplies		0		0		0		0		0	0
Inter-Agency Charges		0		0		0		0		0	0
Loans		0		0		0		0		0	0
Professional Fees		0		0		0		0		199,300	149,500
Land & Land Improve		0		0		0		0		0	0
Building & Bldg Improve		0		0		0		0		0	2,741,000
Equipment and Vehicles		0		0		0		0		0	0
Other		0		0		0		0		0	 0
Total Project Costs	\$	0	\$	0	\$	0	\$	56,000	\$	199,300	\$ 2,890,500
Funding Sources:											
Federal Sources	\$	0	\$	0	\$	0	\$	0	\$	0	\$ 0
State Sources		0		0		0		0		0	0
Impact Fees		0		0		0		0		0	0
Private Contributions		0		0		0		0		0	0
Revenue Bonds		0		0		0		56,000		199,300	2,890,500
Special Assessments		0		0		0		0		0	0
TIF Cash		0		0		0		0		0	0
Carry-Forward Applied		0		0		0		0		0	0
Reserves Applied		0		0		0		0		0	0
Other		0		0		0		0		0	 0
Total Other Sources	\$	0	\$	0	\$	0	\$	56,000	\$	199,300	\$ 2,890,500
General Obligation Debt	\$	0	\$	0	\$	0	\$	0	\$	0	\$ 0

Project Title:	Zone 11 -	Blackhawk	Elevated 9	Storage			
Agency Name: Project No:	Water Utili 19	ty				Agency Number: Category:	64 3
Section 1							
Is this the project'	s first year?	Yes					
If yes, skip to Sec If no, fill in the foll							
Amount spent on	this project in pre	evious years:					
Fund # Agency #		No Specified F					
Section 2 Desc	ribe the impact o	f this project	upon the o	perating bud	get.		
There will be no additional \$10,0	•	•	-	Once the res	ervoir is in o	peration, we anticipate an	
	this project impa se quantify the po					f so, which measure(s)?	
No							

The Blackhawk Elevated Reservoir project will provide the planned water storage capacity to Pressure Zone 11 and upgrade the service from pumped to gravity. This project will provide reliable service and minimum fire flow to Pressure Zone 11. This project is identified in the Master Plan.

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

Project Title: Misc. Pump Station/PRV/Facility Projs.

Agency Name: Water Utility Agency Number: 64

Project No: 20 Category: 3 & 4

Description:

Various pump station, pressure reducing valve (PRV) stations, and well improvement and upgrade projects recommended by the Water Utility Master Plan. Year 2012 projects include upgrading the Booster Pumps at Unit Well #20, installing a Pressure Reducing Valve (PRV) Station on Vondron Rd, repair/restore/replace the water tower on Prairie Rd that was damaged by fire in 2010, installing a generator at Unit Well #26, and modifications to Unit Well #17.

	Capital	Ī												
Project Budget:	Budget		Future Year Estimates											
	2012		<u>2013</u>		<u>2014</u>		<u>2015</u>		<u>2016</u>		<u>2017</u>			
Expenditures:														
Purchased Services	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0			
Materials & Supplies	885,000		525,000		418,000		436,000		405,000		500,000			
Inter-Agency Charges	0		0		0		0		0		0			
Loans	0		0		0		0		0		0			
Professional Fees	131,000		153,000		50,200		52,300		48,600		60,000			
Land & Land Improve	0		0		0		0		0		0			
Building & Bldg Improve	100,000		750,000		0		0		0		0			
Equipment and Vehicles	0		0		0		0		0		0			
Other	0		0		0		0		0		0			
Total Project Costs	\$ 1,116,000	\$	1,428,000	\$	468,200	\$	488,300	\$	453,600	\$	560,000			
Funding Sources:														
Federal Sources	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0			
State Sources	0		0		0		0		0		0			
Impact Fees	0		0		0		0		0		0			
Private Contributions	0		0		0		0		0		0			
Revenue Bonds	1,116,000		1,428,000		468,200		488,300		453,600		560,000			
Special Assessments	0		0		0		0		0		0			
TIF Cash	0		0		0		0		0		0			
Carry-Forward Applied	0		0		0		0		0		0			
Reserves Applied	0		0		0		0		0		0			
Other	0		0		0		0		0		0			
Total Other Sources	\$ 1,116,000	\$	1,428,000	\$	468,200	\$	488,300	\$	453,600	\$	560,000			
General Obligation Debt	\$ 0	\$	0	\$	0	\$	0	\$	0	\$	0			

Project Title:	Misc. Pump Station/PRV/Facility Projs.							
Agency Name: Project No:	Water Utility 20	Agency Number: Category:	64 3 & 4					
Section 1								
Is this the project's first	year? No							
If yes, skip to Section 2 If no, fill in the following								
Amount spent on this p	project in previous years: Ongoing							
Fund # Agency #	EW01 Water Utility h20 810458 Misc Water Utility Capita							
	he impact of this project upon the operating budget. ent in efficiency and operation that has the potential to reduce co	sts.						
	project impact any results tracked by Madison Measures? If so, vantify the potential impacts to the extent possible.	which measure(s)?						
No								
Section 4 Justification	on. Why is this project important? What is the impact of not inclu	ding it in the Budget?	,					
	led projects will improve system reliability, redundancy and efficervice to Utility customers and provide necessary emergency su							

Project Title: Booster Pump Station 129 Reconstruction

Agency Name: Water Utility Agency Number: 64

Project No: 21 Category: 4

Description:

Construction of a new and upgraded booster pump station 129 is scheduled for year 2016. This project will replace the temporary pump station constructed on the Well #29 site back in 1990. Pump station 129 will continue to transfer water from Pressure Zone 6 to Zone 3 and back again through a Pressure Reducing Valve (PRV). The operation will provide supply and fire flow capability to the far east side of the system. It will benefit customers through increased reliability and flexibility of operations.

	Capital							
Project Budget:	Budget		F	uture	Year Estimate	es		
	2012	2013	2014		2015		2016	2017
Expenditures:								
Purchased Services	\$ 0	\$ 0	\$ 55,000	\$	0	\$	0	\$ 0
Materials & Supplies	0	0	0		0		0	0
Inter-Agency Charges	0	0	0		0		0	0
Loans	0	0	0		0		0	0
Professional Fees	0	0	0		102,000		77,000	0
Land & Land Improve	0	0	0		0		0	0
Building & Bldg Improve	0	0	0		0		2,177,000	0
Equipment and Vehicles	0	0	0		0		0	0
Other	0	 0	 0		0		0	 0
Total Project Costs	\$ 0	\$ 0	\$ 55,000	\$	102,000	\$	2,254,000	\$ 0
Funding Sources:								
Federal Sources	\$ 0	\$ 0	\$ 0	\$	0	\$	0	\$ 0
State Sources	0	0	0		0		0	0
Impact Fees	0	0	0		0		0	0
Private Contributions	0	0	0		0		0	0
Revenue Bonds	0	0	55,000		102,000		2,254,000	0
Special Assessments	0	0	0		0		0	0
TIF Cash	0	0	0		0		0	0
Carry-Forward Applied	0	0	0		0		0	0
Reserves Applied	0	0	0		0		0	0
Other	0	 0	 0		0		0	 0
Total Other Sources	\$ 0	\$ 0	\$ 55,000	\$	102,000	\$	2,254,000	\$ 0
General Obligation Debt	\$ 0	\$ 0	\$ 0	\$	0	\$	0	\$ 0

Project Title:	Booster F	ump Station 129 Reco	onstruction		
Agency Name: Project No:	Water Utili 21	ity		Agency Number: Category:	64 4
Section 1					
Is this the project's	first year?	Yes			
If yes, skip to Section If no, fill in the follow					
Amount spent on th	is project in pre	evious years:			
Fund # Agency #		No Specified Fund No Specified Agency			
		f this project upon the control of this project upon the control of the control o	perating budg	et.	
		act any results tracked betential impacts to the e		easures? If so, which measure(s)?	
No					
Section 4 Justific	ation. Why is t	his project important? \	What is the imp	pact of not including it in the Budget?	i.

This project will replace the temporary pump station constructed on the Well #29 site back in 1990. The

through increased reliability and flexibility of operations.

operation will provide supply and fire flow capability to the far east side of the system. It will benefit customers

Project Title: Iron & Manganese Filter at Well 19

Agency Name: Water Utility Agency Number: 64

Project No: 22 Category: 3

Description:

Construction of an Iron and Manganese Filter at Well 19 will address the water quality issues and resulting customer complaints about colored water that exist at Well 19. The budget anticipates construction of a filter in year 2016 following a significant public participation process and evaluation beginning in 2015.

	Capital								
Project Budget:	Budget			F	uture	Year Estimate	es		
	2012		2013	2014		2015		2016	2017
Expenditures:									
Purchased Services	\$	0 \$	0	\$ 0	\$	356,000	\$	0	\$ 0
Materials & Supplies		0	0	0		0		0	0
Inter-Agency Charges		0	0	0		0		0	0
Loans		0	0	0		0		0	0
Professional Fees		0	0	0		0		197,000	0
Land & Land Improve		0	0	0		0		0	0
Building & Bldg Improve		0	0	0		0		3,290,000	0
Equipment and Vehicles		0	0	0		0		0	0
Other		0	0	0		0		0	0
Total Project Costs	\$	0 \$	<u>0</u>	\$ 0	\$	356,000	\$	3,487,000	\$ 0
Funding Sources:									
Federal Sources	\$	0 \$	0	\$ 0	\$	0	\$	0	\$ 0
State Sources		0	0	0		0		0	0
Impact Fees		0	0	0		0		0	0
Private Contributions		0	0	0		0		0	0
Revenue Bonds		0	0	0		356,000		3,487,000	0
Special Assessments		0	0	0		0		0	0
TIF Cash		0	0	0		0		0	0
Carry-Forward Applied		0	0	0		0		0	0
Reserves Applied		0	0	0		0		0	0
Other		0	0	0		0		0	0
Total Other Sources	\$	<u>0</u> \$	6 0	\$ 0	\$	356,000	\$	3,487,000	\$ 0
General Obligation Debt	\$	<u>0</u> \$	<u> </u>	\$ 0	\$	0	\$	0	\$ 0

Project Title:	iron & Manganese Filter at Well	19	
Agency Name: Project No:	Water Utility 22	Agency Number: Category:	64 3
Section 1			
Is this the project	s first year? Yes		
If yes, skip to Sec If no, fill in the foll			
Amount spent on	this project in previous years:		
Fund # Agency #	No Specified Fund No Specified Agency		
Section 2 Desc	ribe the impact of this project upon the o	perating budget.	
There will be no	impact on the 2012 operating budget.		
	this project impact any results tracked be quantify the potential impacts to the ex	y Madison Measures? If so, which measure(s)? ttent possible.	
No			

This project will address the water quality issues and resulting customer complaints about colored water that exist at Well 19. The accumulation of iron and manganese solids in the system results in additional flushing being required to minimize the risk of colored water reaching customers. The project will benefit existing customers in the

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

west campus area.

Project Title: Iron & Manganese Filter at Well 30

Agency Name: Water Utility Agency Number: 64

Project No: 23 Category: 3

Description:

Construction of an Iron and Manganese Filter at Well 30 will address the water quality issues and resulting customer complaints about colored water that exist at Well 19. The budget anticipates construction of a filter in year 2018 following a significant public participation process and evaluation beginning in 2017.

Project Budget:	Capital Budget				E	ıtıır	e Year Estimate	ne.	
r roject budget.	2012		2013		2014	atur	2015	2016	2017
Expenditures:									
Purchased Services	\$	0	\$	0	\$ 0	\$	0	\$ 0	\$ 380,000
Materials & Supplies		0		0	0		0	0	0
Inter-Agency Charges		0		0	0		0	0	0
Loans		0		0	0		0	0	0
Professional Fees		0		0	0		0	0	0
Land & Land Improve		0	(0	0		0	0	0
Building & Bldg Improve		0	(0	0		0	0	0
Equipment and Vehicles		0	(0	0		0	0	0
Other		0		0	0		0	0	0
Total Project Costs	\$	0	\$	0	\$ 0	\$	0	\$ 0	\$ 380,000
Funding Sources:									
Federal Sources	\$	0	\$	0	\$ 0	\$	0	\$ 0	\$ 0
State Sources		0		0	0		0	0	0
Impact Fees		0		0	0		0	0	0
Private Contributions		0		0	0		0	0	0
Revenue Bonds		0		0	0		0	0	380,000
Special Assessments		0		0	0		0	0	0
TIF Cash		0		0	0		0	0	0
Carry-Forward Applied		0		0	0		0	0	0
Reserves Applied		0		0	0		0	0	0
Other		0		0	0		0	0	 0
Total Other Sources	\$	0	\$	0	\$ 0	\$	0	\$ 0	\$ 380,000
General Obligation Debt	\$	0	\$	0	\$ 0	\$	0	\$ 0	\$ 0

Project Title:	iron & Manganese Filter at We	en 30		
Agency Name: Project No:	Water Utility 23		Agency Number: Category:	64 3
Section 1				
Is this the project's fi	rst year? Yes			
If yes, skip to Section If no, fill in the follow				
Amount spent on this	s project in previous years:			
Fund # Agency #	No Specified Fund No Specified Agency			
Section 2 Describe	e the impact of this project upon the	operating budge	et.	
There will be no im	pact on the 2012 operating budget			
	s project impact any results tracked quantify the potential impacts to the			
No				

Section 4 Justification. Why is this project important? What is the impact of not including it in the Budget?

This project will address the water quality issues and resulting customer complaints about colored water that exist at Well 30. The accumulation of iron and manganese solids in the system results in additional flushing being required to minimize the risk of colored water reaching customers. A filter would improve finished water quality and reduce the need for additional flushing in the Well 30 service area.

Project Title: Near West Side Water Supply Project

Agency Name:Water UtilityAgency Number:64Project No:24Category:3

Description:

Construction of an additional well is scheduled for year 2021. The Water Master Plan has identified this well project to mitigate a supply deficiency in Pressure Zones 6 and 7. The project will provide additional water supply capacity to both Zones 6 and 7. The final location of the proposed well will be determined following a significant public participation process and evaluation period beginning in year 2017.

	C	pital											
Project Budget:		-	Future Year Estimates										
Project Budget.		Budget 2012		2013 2014							2016		2017
		012		2013		2014			<u>2015</u>		2016		<u>2017</u>
Expenditures:													
Purchased Services	\$	0	\$	0	\$		0	\$	0	\$	0	\$	60,000
Materials & Supplies		0		0			0		0		0		0
Inter-Agency Charges		0		0			0		0		0		0
Loans		0		0			0		0		0		0
Professional Fees		0		0			0		0		0		0
Land & Land Improve		0		0			0		0		0		0
Building & Bldg Improve		0		0			0		0		0		0
Equipment and Vehicles		0		0			0		0		0		0
Other		0		0			0		0		0		0
Total Project Costs	\$	0	\$	0	\$		0	\$	0	\$	0	\$	60,000
Funding Sources:													
Federal Sources	\$	0	\$	0	\$		0	\$	0	\$	0	\$	0
State Sources	•	0	•	0	•		0	•	0	•	0	,	0
Impact Fees		0		0			0		0		0		0
Private Contributions		0		0			0		0		0		0
Revenue Bonds		0		0			0		0		0		60,000
Special Assessments		0		0			0		0		0		0
TIF Cash		0		0			0		0		0		0
Carry-Forward Applied		0		0			0		0		0		0
Reserves Applied		0		0			0		0		0		0
Other		0		0			0		0		0		0
Total Other Sources		0	Φ.		Φ.		Ť	Φ.		Φ.			CO 000
Total Other Sources	<u>\$</u>		<u>\$</u>	0	<u>\$</u>		0	<u>\$</u>	0	<u>\$</u>	0	\$	60,000
General Obligation Debt	\$	0	\$	0	\$		0	\$	0	\$	0	\$	0

Project Title:	Near West Side Water Supply Project	
Agency Name: Project No:	Water Utility 24	Agency Number: 64 Category: 3
Section 1		
Is this the project's first	year? Yes	
If yes, skip to Section 2 If no, fill in the following		
Amount spent on this p	project in previous years:	
Fund # Agency #	No Specified Fund No Specified Agency	
Section 2 Describe t	he impact of this project upon the operating budget.	
	project impact any results tracked by Madison Measures? If so, antify the potential impacts to the extent possible.	which measure(s)?
No		
Section 4 Justification	n. Why is this project important? What is the impact of not inclu	iding it in the Budget?
The Water Master Pla	in has identified this well project to mitigate a supply deficiency de additional water supply capacity to both Zones 6 and 7.	