

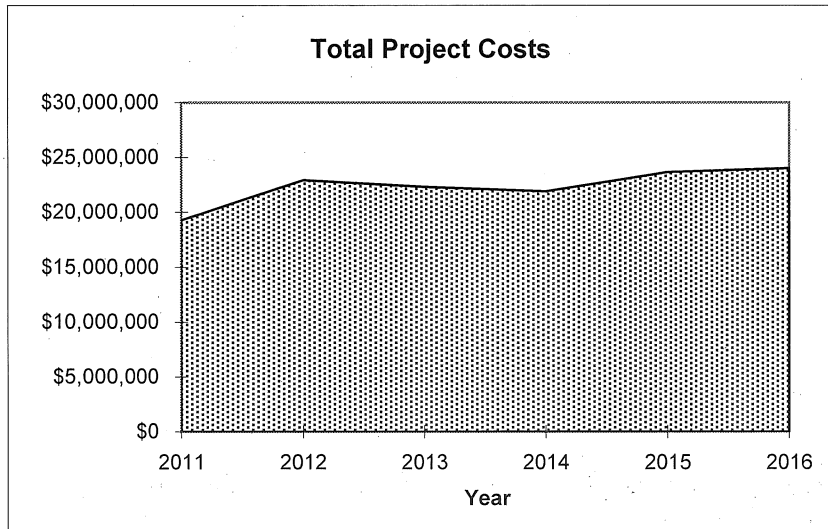
**2011
Capital Budget
Capital Improvement Program**

Agency Name: **Water Utility**

Agency Number: **64**

Project Name	Capital Budget		Future Year Estimates			
	2011	2012	2013	2014	2015	2016
1 Lead Service Replacements	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2 Meter Program	50,000	50,000	375,000	383,000	391,000	399,000
3 Water Mains - Replacements	7,310,000	7,566,000	7,869,000	8,079,000	8,402,000	8,822,000
4 Water Mains - New	788,000	835,000	893,000	964,000	1,051,000	1,156,000
5 SCADA System Upgrade	30,000	32,000	34,000	36,000	38,000	250,000
6 Zone 4 Fire Flow Supply Augmentation	953,000	2,929,000	0	0	1,217,000	0
7 Arbor Hills Supp. Fire Flow Supply	1,016,500	0	750,000	600,000	0	0
8 East Side Water Supply Project	399,000	3,456,000	4,589,000	4,385,000	1,177,000	1,303,000
9 Pressure Zone 9 Storage	0	0	53,000	468,000	2,631,000	0
10 Pressure Zone 7&8 Supp Supply	380,000	0	638,000	258,000	3,424,000	0
11 Pump Station 220	0	0	0	55,000	92,000	1,225,000
12 Lakeview Reservoir-Reconstruction	50,000	175,000	2,664,000	900,000	0	0
13 Booster Pump Station 114	0	0	0	0	56,000	1,008,000
14 North End Supplemental Supply	0	52,000	130,000	658,000	296,000	3,917,000
15 Security Upgrades	191,000	199,000	207,000	215,000	224,000	233,000
16 System Wide Miscellaneous Projects	287,600	309,300	332,200	295,300	318,600	364,100
17 Paterson Street Building Remodel	0	35,000	1,606,000	4,080,000	300,000	0
18 Advanced Metering Infrastructure	5,829,000	6,124,000	0	0	0	0
19 Booster Station 106 - Rebuild	50,000	120,000	1,772,000	0	1,000,000	0
20 Zone 11- Blackhawk Elevated Storage	0	0	0	55,000	164,200	2,376,200
21 Misc Pump Station/PRV/Facility Project	1,831,200	1,036,000	392,000	468,200	2,884,000	2,969,100
22 0	0	0	0	0	0	0
23 0	0	0	0	0	0	0
24 0	0	0	0	0	0	0
25 0	0	0	0	0	0	0
26 0	0	0	0	0	0	0
27 0	0	0	0	0	0	0
28 0	0	0	0	0	0	0
29 0	0	0	0	0	0	0
30 0	0	0	0	0	0	0
31 0	0	0	0	0	0	0
32 0	0	0	0	0	0	0
33 0	0	0	0	0	0	0
34 0	0	0	0	0	0	0
35 0	0	0	0	0	0	0
36 0	0	0	0	0	0	0
37 0	0	0	0	0	0	0
38 0	0	0	0	0	0	0
39 0	0	0	0	0	0	0
40 0	0	0	0	0	0	0
41 0	0	0	0	0	0	0
42 0	0	0	0	0	0	0
43 0	0	0	0	0	0	0

Project Name	Capital Budget	Future Year Estimates				
	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
44 0	0	0	0	0	0	0
45 0	0	0	0	0	0	0
46 0	0	0	0	0	0	0
47 0	0	0	0	0	0	0
48 0	0	0	0	0	0	0
49 0	0	0	0	0	0	0
50 0	0	0	0	0	0	0
51 0	0	0	0	0	0	0
52 0	0	0	0	0	0	0
53 0	0	0	0	0	0	0
54 0	0	0	0	0	0	0
55 0	0	0	0	0	0	0
56 0	0	0	0	0	0	0
57 0	0	0	0	0	0	0
58 0	0	0	0	0	0	0
59 0	0	0	0	0	0	0
60 0	0	0	0	0	0	0
Total	<u>\$ 19,265,300</u>	<u>\$ 22,918,300</u>	<u>\$ 22,304,200</u>	<u>\$ 21,899,500</u>	<u>\$ 23,665,800</u>	<u>\$ 24,022,400</u>

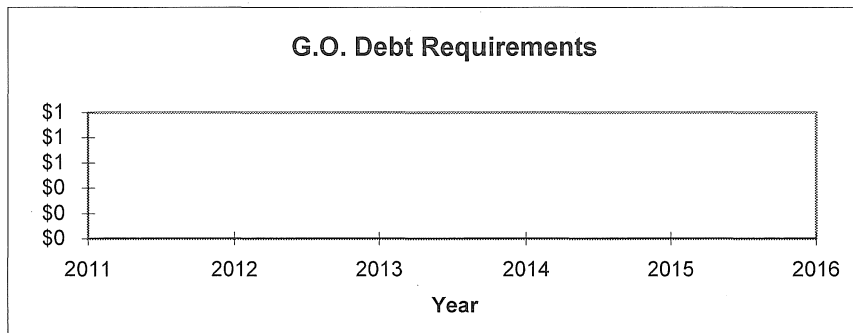


**2011
Capital Budget
Expenditure Categories and Funding Sources**

Agency Name: **Water Utility**

Agency No.: 64

All Projects	Capital Budget	Future Year Estimates				
	2011	2012	2013	2014	2015	2016
Expenditures:						
Purchased Services	\$ 887,700	\$ 1,217,000	\$ 1,429,000	\$ 1,139,200	\$ 1,318,200	\$ 1,163,300
Materials & Supplies	6,967,600	6,828,300	1,231,200	1,273,300	1,626,600	1,562,100
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	250,000	650,000	130,000	958,000	0	3,695,000
Building & Bldg Improve	10,210,000	14,223,000	19,514,000	18,529,000	20,721,000	17,602,000
Equipment and Vehicles	950,000	0	0	0	0	0
Other	0	0	0	0	0	0
Total Project Costs	\$ 19,265,300	\$ 22,918,300	\$ 22,304,200	\$ 21,899,500	\$ 23,665,800	\$ 24,022,400
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	18,765,300	22,918,300	22,304,200	21,899,500	23,665,800	24,022,400
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	500,000	0	0	0	0	0
Total Other Sources	\$ 19,265,300	\$ 22,918,300	\$ 22,304,200	\$ 21,899,500	\$ 23,665,800	\$ 24,022,400
G.O. Debt	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0



**2011
Capital Budget
G.O. Target Summary**

Agency Name: **Water Utility**

Agency Number: **64**

Project Name	A	- B	= C	Total Request		
	Requested G.O.	- Suppl. G.O.	= Target G.O.	G.O. Debt	Other Funding	Total
1 Lead Service Replacements	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 100,000
2 Meter Program	0	0	0	0	50,000	50,000
3 Water Mains - Replacements	0	0	0	0	7,310,000	7,310,000
4 Water Mains - New	0	0	0	0	788,000	788,000
5 SCADA System Upgrade	0	0	0	0	30,000	30,000
6 Zone 4 Fire Flow Supply Augmentation	0	0	0	0	953,000	953,000
7 Arbor Hills Supp. Fire Flow Supply	0	0	0	0	1,016,500	1,016,500
8 East Side Water Supply Project	0	0	0	0	399,000	399,000
9 Pressure Zone 9 Storage	0	0	0	0	0	0
10 Pressure Zone 7&8 Supp Supply	0	0	0	0	380,000	380,000
11 Pump Station 220	0	0	0	0	0	0
12 Lakeview Reservoir-Reconstruction	0	0	0	0	50,000	50,000
13 Booster Pump Station 114	0	0	0	0	0	0
14 North End Supplemental Supply	0	0	0	0	0	0
15 Security Upgrades	0	0	0	0	191,000	191,000
16 System Wide Miscellaneous Projects	0	0	0	0	287,600	287,600
17 Paterson Street Building Remodel	0	0	0	0	0	0
18 Advanced Metering Infrastructure	0	0	0	0	5,829,000	5,829,000
19 Booster Station 106 - Rebuild	0	0	0	0	50,000	50,000
20 Zone 11- Blackhawk Elevated Storage	0	0	0	0	0	0
21 Misc Pump Station/PRV/Facility Project	0	0	0	0	1,831,200	1,831,200
22 0	0	0	0	0	0	0
23 0	0	0	0	0	0	0
24 0	0	0	0	0	0	0
25 0	0	0	0	0	0	0
26 0	0	0	0	0	0	0
27 0	0	0	0	0	0	0
28 0	0	0	0	0	0	0
29 0	0	0	0	0	0	0
30 0	0	0	0	0	0	0
31 0	0	0	0	0	0	0
32 0	0	0	0	0	0	0
33 0	0	0	0	0	0	0
34 0	0	0	0	0	0	0
35 0	0	0	0	0	0	0
36 0	0	0	0	0	0	0
37 0	0	0	0	0	0	0
38 0	0	0	0	0	0	0
39 0	0	0	0	0	0	0
40 0	0	0	0	0	0	0
41 0	0	0	0	0	0	0
42 0	0	0	0	0	0	0
43 0	0	0	0	0	0	0
44 0	0	0	0	0	0	0
45 0	0	0	0	0	0	0

46	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 19,265,300	\$ 19,265,300	

**2011
Capital Budget
Reauthorized Funding Summary**

Agency Name: Water Utility

Agency Number: 64

Project Name	Capital Agency Number	Requested Reauthorization		
		G.O. Debt	Other Funding	Total
1 Lead Service Replacements	810456	\$ 0	\$ 0	\$ 0
2 Meter Program	810454	0	0	0
3 Water Mains - Replacements	810455	0	0	0
4 Water Mains - New	810455	0	0	0
5 SCADA System Upgrade	810459	0	0	0
6 Zone 4 Fire Flow Supply Augmentation	810517	0	125,000	125,000
7 Arbor Hills Supp. Fire Flow Supply	810516	0	885,000	885,000
8 East Side Water Supply Project	810517	0	0	0
9 Pressure Zone 9 Storage	810516	0	0	0
10 Pressure Zone 7&8 Supp Supply	810517	0	173,000	173,000
11 Pump Station 220	810516	0	0	0
12 Lakeview Reservoir-Reconstruction	810516	0	50,000	50,000
13 Booster Pump Station 114	810516	0	0	0
14 North End Supplemental Supply	810517	0	0	0
15 Security Upgrades	810458	0	0	0
16 System Wide Miscellaneous Projects	810458	0	0	0
17 Paterson Street Building Remodel	0	0	0	0
18 Advanced Metering Infrastructure	810664	0	0	0
19 Booster Station 106 - Rebuild	810516	0	50,000	50,000
20 Zone 11- Blackhawk Elevated Storage	810516	0	0	0
21 Misc Pump Station/PRV/Facility Project	810458	0	125,000	125,000
22 0	0	0	0	0
23 0	0	0	0	0
24 0	0	0	0	0
25 0	0	0	0	0
26 0	0	0	0	0
27 0	0	0	0	0
28 0	0	0	0	0
29 0	0	0	0	0
30 0	0	0	0	0
31 0	0	0	0	0
32 0	0	0	0	0
33 0	0	0	0	0
34 0	0	0	0	0
35 0	0	0	0	0
36 0	0	0	0	0
37 0	0	0	0	0
38 0	0	0	0	0
39 0	0	0	0	0
40 0	0	0	0	0
41 0	0	0	0	0
42 0	0	0	0	0
43 0	0	0	0	0
44 0	0	0	0	0
45 0	0	0	0	0

Project Name	Capital Agency Number	Requested Reauthorization		
		G.O. Debt	Other Funding	Total
46 0	0	0	0	0
47 0	0	0	0	0
48 0	0	0	0	0
49 0	0	0	0	0
50 0	0	0	0	0
51 0	0	0	0	0
52 0	0	0	0	0
53 0	0	0	0	0
54 0	0	0	0	0
55 0	0	0	0	0
56 0	0	0	0	0
57 0	0	0	0	0
58 0	0	0	0	0
59 0	0	0	0	0
60 0	0	0	0	0
Total		\$ 0	\$ 1,408,000	\$ 1,408,000

**2011
Capital Budget
Project Request Form**

Project Title: **Lead Service Replacements**

Agency Name: Water Utility
Project No: 1

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810456 Lead Service Replacements

Section 2 Describe the impact of this project upon the operating budget.

Costs are capitalized and do not affect the operating budget.

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.

No

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

Mandated by Federal law and enforced by Wisconsin Department of Natural Resources. Increases customer pressure and flow and reduces amount of lead found in drinking water.

**2011
Capital Budget
Project Request Form**

Project Title: Meter Program

Agency Name: Water Utility
Project No: 2

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810454 Meter Program-Water Utility

Section 2 Describe the impact of this project upon the operating budget.

Little or no affect on the operating budget as the program costs are capitalized. Additional revenue is generated as the number of meters in service increases.

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.

No

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

Growth drives the need for new meters and older meters need replacement.

**2011
Capital Budget
Project Request Form**

Project Title: Water Mains - Replacements

Agency Name: Water Utility
Project No: 3

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810455 Water Mains-Water Utility

Section 2 Describe the impact of this project upon the operating budget.

Decreased repair costs and fewer main breaks, improved hydraulics, fire flow, and customer service. There would be a reduction in unaccounted for water and would help in our water conservation goals.

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.

Main Replacements - the Utility is requesting \$7,310,000 in funding for main replacements that will allow the Utility to replace approximately 7 miles of main.

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 reduced the amount of replacement work, we would only be delaying the needed infrastructure replacement and we would see increasing cost due to inflation.

**2011
Capital Budget
Project Request Form**

Project Title: Water Mains - New

Agency Name: Water Utility
Project No: 4

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810455 Water Mains-Water Utility

Section 2 Describe the impact of this project upon the operating budget.

No anticipated impact on operating budget. Costs are capitalized. There may be increased revenue from new customers served.

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.

No

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

New mains will correct deficiencies, improve service and reduce pressure complaints, improve fire protection, and provide water service to growing areas of the City.

**2011
Capital Budget
Project Request Form**

Project Title: SCADA System Upgrade

Agency Name: Water Utility

Agency Number: 64

Project No: 5

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 project in previous years: Ongoing

Fund # ew01 Water Utility

Agency # 810459 Unit Wells-Water Utility

Section 2 Describe the impact of this project upon the operating budget.

An updated SCADA system has the potential to improve operational efficiency and reduce labor costs.

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.

No

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

Having the ability to monitor and control the system remotely is critical to Utility operations and system security.

**2011
Capital Budget
Project Request Form**

Project Title: Zone 4 Fire Flow Supply Augmentation

Agency Name: Water Utility
Project No: 6

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 project in previous years: \$ 175,000

Fund # ew01 Water Utility
Agency # 810517 New Wells/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the operating budget until this well is placed into service in 2012. At that time we could see an increase in power, chemicals, and maintenance costs of approximately \$120,000. The increase in operating costs will be offset by additional water sales from our expanded customer base in the expanding southeast service area.

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.

No

Section 4 Justification. Why is this project important? What is the impact of not including 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 over the years to the south, 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 the water system level of service for the area up to Utility standards.

**2011
Capital Budget
Project Request Form**

Project Title: Arbor Hills Supp. Fire Flow Supply

Agency Name: Water Utility
Project No: 7

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 project in previous years: \$ 316,000

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. Once the booster station is in operation we anticipate an additional \$10,000 per year in operating expenses.

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.

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.

**2011
Capital Budget
Project Request Form**

Project Title: East Side Water Supply Project

Agency Name: Water Utility
Project No: 8

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 project in previous years: \$ 591,000

Fund # ew01 Water Utility
Agency # 810517 New Wells/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the operating budget in 2011. The effects on the operating budgets in future years 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

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 towards it's goal of turbidity at 1 ntu, managanese 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.

**2011
Capital Budget
Project Request Form**

Project Title: Pressure Zone 9 Storage

Agency Name: Water Utility
Project No: 9

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. Once the reservoir is in operation we anticipate an additional \$10,000 per year in operating expenses.

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.

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.

**2011
Capital Budget
Project Request Form**

Project Title: Pressure Zone 7&8 Supp Supply

Agency Name: Water Utility
Project No: 10

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 project in previous years: \$ 50,000

Fund # ew01 Water Utility
Agency # 810517 New Wells/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the operating budget until this well is placed into service in 2015. At that time we could see an increase in power, chemicals, and maintenance costs of approximately \$120,000.

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.

No

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

The Zone 7 & 8 Supplemental Supply project will provide additional water supply capacity to both Pressure Zones 7 & 8. This well was identified in the Water Master Plan to address system supply issues projected in the future.

**2011
Capital Budget
Project Request Form**

Project Title: Pump Station 220

Agency Name: Water Utility

Project No: 11

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. Once the booster station is in operation we anticipate an additional \$10,000 per year in operating expenses.

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.

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 setup 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.

**2011
Capital Budget
Project Request Form**

Project Title: Lakeview Reservoir-Reconstruction

Agency Name: Water Utility
Project No: 12

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. As this is a replacement of an existing reservoir, there should be little impact on the operating budget.

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.

No

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

Reconstructing the Lakeview Reservoir will replace an aging storage tank and provide needed water storage in Pressure Zone 6 on the north side of the City. This project is justified in the Water Utility Master Plan and would improve fire fighting capacity within the system.

**2011
Capital Budget
Project Request Form**

Project Title: **Booster Pump Station 114**

Agency Name: Water Utility
Project No: 13

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. Once the booster station is in operation we anticipate an additional \$10,000 per year in operating expenses.

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.

No

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

The Booster 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 gained system reliability.

**2011
Capital Budget
Project Request Form**

Project Title: North End Supplemental Supply

Agency Name: Water Utility
Project No: 14

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810517 New Wells/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the operating budget until this well is placed into service in 2016. At that time we could see an increase in power, chemicals, and maintenance costs of approximately \$120,000.

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.

No

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

The North End Supplemental Water Supply - Hoepker Rd project will provide additional water supply capacity to the north end of Zone 6. This well was identified in the Water Utility Master Plan to address system supply issues projected in the future.

**2011
Capital Budget
Project Request Form**

Project Title: Security Upgrades

Agency Name: Water Utility
Project No: 15

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810458 Misc Water Utility Capital

Section 2 Describe the impact of this project upon the operating budget.

Anticipated improvement in efficiency and operation that has the potential to reduce costs.

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.

No

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

Maintaining the safety and security of the water system is vital to the mission of the Utility. It is critical to have the ability to monitor and secure all of our remote facilities.

**2011
Capital Budget
Project Request Form**

Project Title: System Wide Miscellaneous Projects

Agency Name: Water Utility
Project No: 16

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810458 Misc Water Utility Capital

Section 2 Describe the impact of this project upon the operating budget.

Anticipated improvement in efficiency and operation that has the potential to reduce costs.

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.

No

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

Routine maintenance and improvement projects are required to sustain the facilities for the long term.

**2011
Capital Budget
Project Request Form**

Project Title: Paterson Street Building Remodel

Agency Name: Water Utility
Project No: 17

Agency Number: 64
Category: 1&2

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # No Specified Agency

Section 2 Describe the impact of this project upon the operating budget.

Slight increase due to larger work area.
New HVAC may have lower operating costs.
Properly sized work area should increase efficiency.

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.

No

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

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

**2011
Capital Budget
Project Request Form**

Project Title: **Advanced Metering Infrastructure**

Agency Name: Water Utility
Project No: 18

Agency Number: 64
Category: 4

Section 1

Is this the project's first year? Yes No

If yes, skip to Section 2
If no, fill in the following:

Amount spent on this project in previous years: \$ 230,000

Fund # ew01 Water Utility
Agency # 810664 Automated Metering System

Section 2 Describe the impact of this project upon the operating budget.

Reduction of meter reading workforce.
Increased cash flow due to more frequent billing.
Increased bill printing and mailing costs
Increased clerical costs
Increased payment processing costs.

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.

No

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

The project would provide the Utility with the following benefits:
The ability to do monthly billing.
The ability to implement a water conservation (inclining block) rate structure and receive PSCW approval of such.
Production of our current pulse style meter may stop - we are currently sole sourced in our meter purchases.

**2011
Capital Budget
Project Request Form**

Project Title: **Booster Station 106 - Rebuild**

Agency Name: Water Utility
Project No: 19

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

None, this is a replacement project. Operation costs may go down due to improved equipment efficiencies.

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.

No

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

The Rebuilt Booster Pump Station #106 project is necessary to bring the pump station up to current safety standards and codes and to improve reliability of operation to the station. This facility allow the Utility to transfer water from Pressure Zone 6 to Pressure Zone 7.

**2011
Capital Budget
Project Request Form**

Project Title: Zone 11- Blackhawk Elevated Storage

Agency Name: Water Utility
Project No: 20

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 project in previous years: \$ 0

Fund # ew01 Water Utility
Agency # 810516 Booster Station/Water

Section 2 Describe the impact of this project upon the operating budget.

There will be no impact on the 2011 operating budget. Once the reservoir is in operation we anticipate an additional \$10,000 per year in operating expenses.

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.

No

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

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 Pressure Zone 11. This project is identified in the Master Plan.

**2011
Capital Budget
Project Request Form**

Project Title: Misc Pump Station/PRV/Facility Projects

Agency Name: Water Utility
Project No: 21

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 project in previous years: ongoing

Fund # ew01 Water Utility
Agency # 810458 Misc Water Utility Capital

Section 2 Describe the impact of this project upon the operating budget.

Anticipated improvement in efficiency and operation that has the potential to reduce costs.

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.

No

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

All of the recommended projects will improve system reliability, redundancy, and efficiency. This will maintain or improve the level of service to Utility customers and provide necessary emergency supply and fire fighting capability.