Internal Monitoring Report

Policy: EL-2C Financial Planning/Budgeting

Frequency: Twice a year (May and August)

Date: May 28, 2013

I certify that the following information is true.

Signed______, General Manager

Policy Language:

The General Manager shall not cause or allow financial planning to deviate materially from the board's Outcomes priorities, risk financial jeopardy or fail to be derived from a multiyear plan.

Accordingly, the General Manager shall not cause or allow conditions, procedures or decisions that:

- 1. Allow budgeting which would risk incurring those situations or conditions described as unacceptable in the Financial Condition and Activities policy (EL-2D).
- 2. Fail to provide the full amount established by the board according to the Agenda Planning to Achieve Board Outputs policy (BP-2C).

General Manager's interpretation and its justification:

This Executive Limitations policy recognizes that financial planning and sound budgeting are necessary for the achievement of the board's Outcomes priorities and in order to avoid financial jeopardy. Sound budgeting is also necessary for the board to invest resources in improving its own governance capacity. The Utility has the responsibility to establish, manage and plan for the necessary water rates and debt to fund all expenditures to meet identified capital and operational requirements, and to budget accordingly.

The board has enumerated in this policy two specific areas: budgeting in accordance with policy EL-2D, and providing funds for board education and training as described in policy BP-2C.

Data directly addressing the General Manager's interpretation:

The 2014 Water Utility Capital Budget and Capital Improvement Plan is aligned materially with the board's Outcomes priorities, including the Global Outcomes Policy and the Water Quantity, Water Quality, and Reliability policies. In addition, it projects capital expenses through year 2020. A copy of this document is attached.

The Utility has implemented and uses a financial planning model to evaluate and project funding required to finance infrastructure and operating needs. Through the use of this model, bond sales are planned and rate increases are developed.

The 2014 Operating Budget is a master agenda item for the August board meeting. It will include the amount of \$1,500.00 as approved by the board at its April 23, 2013 meeting, for board governance capacity as described in Board Process policies BP-2C and BP-2J.

I report compliance.

Attachment:

2014 Capital Budget and Capital Improvement Plan

	1	Madison Water Utility - 2014	Capital B	udget									
	and Reliability since 1982	2014-2020 Capital Improven	nent Budg	et									
	adison ater		Updated:	May 20, 2013									
	ility mwu	DRAFI		Annual Totals	\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
			Primary Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
											1		
	Arbor Hills Supplemental Fi		2011										
2	Booster Pump Station 118 was cons Pipeline will be constructed in 2014.	structed and put into service in 2012. The last phase of the project, Phase	e 4 of the Cannonball	Cannonball Pipeline Project Total	_	-	642,000 642,000				_	_	
4	ripellile Will be constructed in 2014.			Project rotal	-	-	642,000	-	-	-	-	-	-
5	Unit Well No. 7 - Fe and Mn	Filtration	2013										
6	The East Side Water Supply project	t verified the need for a filter at Well 7. The public engagement process is	proceeding and the	Public Participation									
7		onstructed in 2013 and fully operational in 2014. Construction of a filter at		UW 7 - Filter Design	426,000	50,000							
8		ue to iron and manganese levels that exceed or approach the EPA secon and manganese levels in the water pumped from the facility into the system		Property Purchase Construction Admin Services	319,000	350,000							
4	and removing the iron and mangane	ese will reduce the likelihood of customers experiencing colored water du	e to water pumped	Construction Admin Services Construction of Unit Well No. 7	319,000	250,000							
10	from Well 7 and will allow the Utility	to increase the use of the well. The new facility will require additional pro	perty.	Fe and Mn Filter	5,320,000	5,000,000							
11				Hydraulic Improvement Pipelines					981,000	673,000			
12				Project Total	6,065,000	5,300,000	-	-	981,000	673,000		-	-
13				1.0,000.101	3,000,000	0,000,000			55.,555	0.0,000			
14	Booster Pump Station #106	Reconstruction	2013										
15		mp Station 106 is scheduled to start construction in 2013 and be finished		Public Engagement									
16 17		106 is a critical link between Pressure Zones 6 and 7 and allows water to Inpostation in the system and has deteriorated to the point that it is difficult		Consultant Design contract Construction of Pump Station	1,493,000	1,050,000							
17		np station in the system and has detendrated to the point that it is difficult in up to current safety standards and codes, to improve reliability of operat			1,493,000	1,050,000							
18		afety. With the pump station upgrade some pipeline replacement will be n	ecessary to increase	Administration	45,000	32,000							
19	hydraulic capacity. Improvement to	this facility provides significant operational flexibility to the Utility.		Pipeline Improvements			616,000	635,000	654,000				
20				Project Total	1,538,000	1,082,000	616,000	635,000	654,000	-	-	-	-
21 22	Paterson Street Building Re	emodel and Ungrade	2014										
23		Center at Paterson Street is scheduled to start construction in 2014 and be	-	Public Participation	40,000	30,000							
24		facility is outdated and cramped and in need of replacement. The vehicle		Architectural Services/Review	468,000	351,000							
25		d compromises employee safety. Building air quality and ventilation does		Materials Storage Building									
26		rooms and other functional storage spaces do not meet current needs. This and the final storage building that will free up space in the vehicle storage buildin		Furnishings and Equipment			200,000	400,000					
27	efficiency during winter operations.	g samaning that this need up space in the verticle storage building	2 ab. 0 4 0	Construction Admin Fleet Maintenance and Office			308,000						
28				Building Construction			6,158,000						
29			_	Project Total	508,000	381,000	6,466,000	400,000	-	-	-	-	-
30	Lakaviau Pagamain Barra	Paragraphican (Pop. 442)	2014										
31 32	Lakeview Reservoir Recons	. ,	2014	Public Engagement	50,000	35,000							
32		f the Lakeview Reservoir has been pushed to 2014 with the reservoir on I servoir will replace an aging storage tank and provide much needed addi		Consultant Design contract	241,000	125,000							
34	water storage in Zone 6E on the nor	rth side of the City. Improvements to the existing pump station feeding Pr	essure Zone 5 is also	Construction Services	,,,,,	.,	134,000						
	included in this project. This project within Pressure Zone 5.	is justified in the Water Master Plan and would improve fire fighting capa	city and reliability	Construct Two Zone Lakeview			0.000.000						
35	within Fressure Zurie 5.			Reservoir System Hydraulic Water Main			2,680,000						
36				Improvements				1,015,000					
				Upgrade Booster Pumps @									
37				Res. 113 Water Main Improvements @				560,000					
38				Res 113				381,000					
39				Project Total	291,000	160,000	2,814,000	1,956,000	-	-	-	-	-
40													

	1	Madison Water Utility - 2014	Capital B	udaet									
Quality	and Reliability since 1892	2014-2020 Capital Improven	•										
	adison 🛁	To the state of th	Updated:	May 20, 2013									
	ater IIII		Opuateu.	May 20, 2013									
U	ility mwa	IJNAFI		Annual Totals	\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
	ĺ		Primary Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
41	UW 29 Filter Capacity Expans	sion	2014										
42	The filter system at Unit Well 29 was o	constructed with a capacity of 1100 gpm due to a concern with contami	nants under the	Consultant Design contract	30,000	30,000							
43		installed between the landfill and the well to monitor water quality. At th		Increase Filter Capacity	400,000	400,000							
		is no indication of a problem with the Sycamore Landfill with regard to increased to 2200 gpm. This will provide the Utility with improved flexil		Construction Contract		40,000							
44	capacity on the east side of Pressure		литу ани ѕирріу	Administration		16,000 446,000		_	-			_	
45 46				Project Total	440,000	440,000	-	-	-	-	-	-	-
	Zone 4 Fire Flow Supply Aug	mentation - Well 31	2015										
48	Two test wells were constructed in 20	12 and the production well is scheduled to be drilled in 2013. Unit Well	31 is scheduled to	Public Engagement	25,000	5,000							
	be designed and construction to start	in late 2013 and be finished and in service in 2014. The Zone 4 Fire Fi	ow Supply	Production Well and		, i							
49		ignificant system deficiency identified by the Water Master Plan in the s		Development	638,000	50,000							
		ue to significant expansion over the years to the south and east, the hy area for fire flow supply or system reliability and redundancy. There is a		Consultant Design contract for									
		st and the proposed new well will support further development of the ar		design of Unit Well, Reservoir,									
50		ove fire flow capacity and bring the water system level of service for the		Pump Station, and Pipelines Construct Unit Well & Fe and Mn	385,000	360,000							
51	standards.			Filter				5.107.000					
				Consultant Construction				5,101,000					
52				Administration	241,000			255,000					
				Hydraulic Improvement Pipelines					654,000	673.000			
53 54				Project Total	1,289,000	415.000	-	5.362.000	654,000	673,000	-	-	
55				Project rotal	1,209,000	413,000	_	3,302,000	034,000	073,000			
56	Unit Well 12 Conversion to a	Two Zone Well	2015										
57	The 2006 Water Master Plan recomm	ended that Well 12 be converted to a two zone well. This conversion w	Il provide operational	Consultant Design Contract			48.000						
58		e supply system. Pumps and a pressure reducing valve will be added to		Construction Services			.5,000	30,000					
59		to Pressure Zone 8 or from Pressure Zone 8 to Pressure Zone 7.	,	Construction				600,000					
60				Water Main Improvements				361,000					
61	-		1	Project Total	-	-	48,000	991,000	-	-	-	-	-
62			2015										
63	Iron and Manganese Filter at		2015										
64		ese Filter at Well 19 will address the water quality in the Well 19 service. Accumulation of iron and manganese solids in the system results in a		Public Participation			60,000						
65		e. Accumulation of Iron and mangariese solids in the system results in a d water reaching customers. Removing the iron and mangariese from the		UW 19 - Filter Design Documents			204.000						
		and reduce the risk of colored water in the Well 19 service area. The pro		Property Purchase			284,000						
66 67		s area The budget anticipates construction of a filter in 2015 with the f	acility in full	Construction Admin Services				190,000					
0/	operation in 2016 following a significat	nt public participation process and evaluation.		Well 19 Fe and Mn Filter				190,000					
68				Construction				3,160,000					
69				Project Total	-	-	344,000	3,350,000	-	-	-	-	-
70		<u> </u>											

	i	Madison Water Utility - 2014	Capital B	udget									
	and Reliability since 1892	2014-2020 Capital Improvem	ent Budge	et									
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	ter IIII			,									
Ut	ility mww	IJKAFI		Assessed Totals	¢ 20.276.000	¢ 11 120 000	¢ 26.026.000	¢ 27 222 000	¢ 25 002 000	¢ 25 472 000	¢ 20.011.000	¢ 20.225.000	¢ 21.000.000
	·*		Primary	Annual Totals	\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
			Construction										i
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
71	Zone 7 & 8 Supplemental Su	pply - Whitney Way	2016		<u> </u>	,							
		mends an additional well to serve Pressure Zones 7 and 8 to improve ope		Public Engagement			25,000						
		to the area with the ability to pump water to either Zones 7 or 8 will provice		Site Selection and Property			,,,,,						
73	supply capacity the area and improve	e system reliability and redundancy. This facility will provide significant or	erational flexibility to	Purchase			264,000						
74	the Utility within this portion of the sy	stem. It is expected that a significant public participation process will be u	used to site a well	Drill test well			108,000						
		system operational needs. Currently the project is scheduled for constru	ction in 2016 and will	Drill production Well				677,000					
	be fully operational in 2017.			Consultant Contract-Well Siting				445.000					
76				& Design Construction of Filter, Reservoir				445,000					
77				and Pump Station					5,560,000				
				Consultant Contract					2,000,000				
78				Administration					334,000				
79				Pipeline Improvements						893,000			
80				Project Total	-	-	397,000	1,122,000	5,894,000	893,000	-	-	
81													
	Booster Pump Station 109 (S		2016										
83		de the east side operational functionality and improve reliability to the wat		Public Engagement				50,000					
84	The pump station will move water from the pump station will move from Pressure Zone 6	om Pressure Zone 4 to Pressure Zone 6E and a pressure reducing valve	station will allow	Site Selection and Property Purchase				168,000					
85	water to move from Fressure Zone o	TE to Fressure Zone 4.		Consultant Design contract				102,000					
86				Construction Services				102,000	77.000				
87				Construct BPS 109					1,280,000				
88				Water Main Improvements					,,	765,000	657,000		
89				Project Total	-	-	-	320,000	1,357,000	765,000	657,000	-	-
90													
91	lron and Manganese Filter a	t Well 30	2017										
92		at Well 30 exceed Utility water quality standards and guidelines. Constru		Public Participation					60,000				
	Manganese Filter at Well 30 will add	ress the water quality issues and risk of colored water events and custom	ner complaints in the	UW 30 - Filter Design									
93		If flushing is required in the Well 30 service area to minimize the risk of col manganese solids in the system. A filter would improve finished water qua		Documents					320,000				
94		nanganese solids in the system. A filter would improve infished water qua- 30 service area. The budget anticipates construction of a filter in 2018 foll		Property Purchase						-			
95	public participation process and eval		33	Construction Admin Services						214,000			
				Well 30 Fe and Mn Filter									
96				Construction						3,560,000			
97				Project Total	-	-	-	-	380,000	3,774,000	-	-	-
98	Banatas Buma Ctation (00 5	2000 motor ration	2017										
	Booster Pump Station 129 R			Dublic Frances				FC 000					
100		booster pump station 129 is scheduled for 2017. This project will replace Il 29 site in 1990. Pump Station 129 will continue to transfer water from Zi		Public Engagement Design				56,000	121,000				
102		operation will provide supply and fire flow capability to the far east side o		Construction Services					121,000	91,000			
103	benefit customers through gained rel		5 Joseph N. Will	Water Main Improvements						51,000	919,000	947,000	
104	5 5	- ·		Construct BPS 129						1,518,000	2.2,200	2,230	
105				Project Total		-	-	56,000	121,000	1,609,000	919,000	947,000	-

	1	Madison Water Utility - 2014	1 Canital B	udaet									
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	and Reliability since 1892	2014-2020 Capital Improver	nent Buage	et									
	adison (1111)		Updated:	May 20, 2013									
	SCO.												
U	ility mwa			Annual Totals	\$ 20.276.000	\$ 11,430,000	\$ 26,926,000	\$ 27.322.000	\$ 25.092.000	\$ 25.473.000	\$ 28.811.000	\$ 29.235.000	\$ 31.868.600
			Primary		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,	, -,-,-		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , , , , , , , , , , , , , , , , , , ,
			Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
107	East Side Replacement Well	(Well 3)	2018			_							
108		y 2008 due to elevated levels of Carbon Tetrachloride. This project is i		Public Participation		15,000	15,000			20,000			
109		Zone 6E. The need for a replacement well was verified by the East Sid I will restore lost supply redundancy and reliability to the east Isthmus		Drill test well and WQ analysis		050 000	150,000						
110		and manganese removal and this is included in the budget for the proje		Property Purchase Drill new E. Isthmus Well		250,000	-			636,000			
1112	possibility that VOC contamination wi	Il be present due to long term industrial land use on the Isthmus. The t	reatment plant will be	Consultant Design contract		_	50.000			468.000			
112		treatment if necessary. If the test well indicates that iron and mangane	se filtration is not	Construction of Filter, Res &			30,000			400,000			
113	needed, the capital cost will be signifi	cantily reduced.		Pump Station							6,244,000		
114				Pipeline Improvements								1,071,000	736,000
115				Construction Administration							250,000		
116				Project Total		265,000	215,000	-	-	1,124,000	6,494,000	1,071,000	736,000
117						-	-						
118	Booster Pump Station/PRV 1		2018			_							
119		station 124 to transfer water across the Yahara River and provide oper		Public Engagement		-			58,000	400.000			
120 121		er water from Zone 6W to Zone 6E and back again through a PRV. Thi and flexibility of operations. The pump station will allow the transfer of v		Design Construction Services		_	-			126,000	95,000		
121		ge or equipment maintenance period.	rater from multiple	Water Main Improvements		-					95,000	947.000	975,000
123	g	2 		Construct BPS 129		-					1.579.000	347,000	373,000
124				Project Total		-	-	-	58.000	126,000	1,674,000	947.000	975.000
125										,	,- ,	,	,
126	Zone 10 Far West Elevated R	eservoir	2019			-							
127	Construction of the Zone 10 Far Wes	t Side 750,000 gallon elevated reservoir is scheduled for 2020 and will	follow a public	Public Engagement		-				60,000			
		The Zone 10 Far West Elevated Reservoir project will provide additi		Site Selection and Property									
128		e 10. As Pressure Zone 10 has developed with not only residential but		Purchase		-	-				438,000		
129 130		,000 gallon elevated tank on High Point Road no longer provides suffice fire flow requirements to this area of the distribution system is necessary		Consultant Design contract Construction Services		-					217,000	190,000	
130	Utility standards. This project is ident		.,	Construct 750,000 gallon		-						190,000	
131	- ', '			reservoir								2,309,000	
				Reservoir piping improvements									
132						-						406,000	
133				Water Main Improvements						90.555	055.000	812,000	
134 135			1	Project Total	-	-	-	-	-	60,000	655,000	3,717,000	-
	Boostor Bumn Station 444		2019										
136 137	Booster Pump Station 114	a the ability to mayo water from Dressian 7 (M/1-7 0 - 11 - 1		Public Engagement		-					61.000		
13/		e the ability to move water from Pressure Zone 6W to Zone 8 and back ide supply system and provides the means of spreading out the currer		Site Selection and		-					01,000		
138	capacity within the system. Construct	ion is scheduled to start in 2016 and be finished and in service by 201	7. Construction of BPS	Property Purchase							438,000		
139		hrough gained system reliability and redundancy.		Consultant Design contract							148,000		
140				Construction Services								99,000	
141				Construct BPS 114								1,642,000	
142				Water Main Improvements							24-2	1,429,000	1,115,000
143				Project Total	•	-	-	-	-	-	647,000	3,170,000	1,115,000
144			1	I .						1		1	

	j	Madison Water Utility - 20	14 Capital B	udget									
	g and Reliability since 1292	2014-2020 Capital Improv	ement Budg	et									
	adison 🚐		Updated:	May 20, 2013									
	ater IIII tility mwa	DRAF			\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
			Primary										
Line	Project	Date/Description/Purpose	Construction Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
145		tal Water Supply (American Family)	2020	1 46.10									
146		nmended an additional well on the east side that could provide water		Public Engagement						60.000			
147		g the system analysis completed for the East Side Water Supply pro		Property Purchase							321,000		
148		of the system and would provide water to Zones 3 and 6E. While no									151,000		
149		for this purpose on Hoepker Road. A public participation process is ϵ this project. This project is scheduled to start construction in 2021 an		Dimit reduction from								762,000	
150		inis project. This project is scheduled to start construction in 2021 an pment pressure on the east side and the need for reliability and redu		Consultant Design contract								584,000	
	of the water system is the focus of		idanoj in ino ne domoi	Construction of Unit Well, Filter, Reservoir and Pump Station									
151		• •		Reservoir and Fump Station									7,305,000
	1			Consultant Contract									, ,
152	_			Administration									438,000
153				Pipelines									
154				Project Total	-	-	-	-	-	60,000	472,000	1,346,000	7,743,000
155			0004										
156	Unit Well No. 8 - Fe and Mn		2021										
157		8 - Fe and Mn Mitigation will address current water quality issues a		Public Participation									30,000
158		ceed the EPA secondary standard's. Due to the colored water as a rently limited to summer only and a total production of approximately 1		UW 8 - Filter Design Documents									541,600
159		verified by the East Side Water Supply project and a public engagen		Property Acquisition									500,000
160		or construction in 2013. Due to concerns about the nearby KIP Corp		Construction Admin Services									
161		acility in the park, the project has been delayed a year. A monitoring		Well 8 Fe and Mn Filter Construction									
101		tained regarding the KIP contamination. Installation of a filter would a ce significantly greater quantities of water. Space will be included in I		Hydraulic Improvement Pipelines									
162		ect will benefit existing customers in the east Isthmus area and impro		injuraumo improvement i ipemies									
163	pumped from Well 8.		, ,	Project Total	-	-	-	-	-	-	-	-	1,071,600
164													
165	Zone 11 Blackhawk Elevate	ed Reservoir	2021										
166		in Pressure Zone 11 on the far west side of the distribution system.		Public Engagement								63,000	
167		PS 128). As the area develops and fills in, construction of the Blackha		Consultant Design contract									234,000
168	will provide the needed emergency	supply storage and fire fighting capacity recommended for the area. and will be in operation in 2017. The Blackhawk Elevated Reservo	I ne reservoir is	Construction Services									
169		umped to gravity. The Utility currently owns property on the far west		Construct 750,000 gallon reservoir									
107	siting a water reservoir.		(· F · · · · ·	Reservoir piping improvements									
170													
171				Water Main Improvements									
172				Project Total	-	-	-	-	-	-	-	63,000	234,000
173	Drogouro Zor - O Ctare		2022			-							
174	Pressure Zone 9 Storage		2022	Public Engagement									65.000
175 176		one 9 was identified in the Water Master Plan as being deficient. Wit in 2011 and 2012 with a 400,000 gallon tank, this situation was partia		Reservoir Property Purchase									00,000
176) gallons will resolve the remainder of the Zone 9 storage deficiency.		Consultant Design Services									
	the western portion of Zone 9 will p	rovide hydraulic balance to the system. Construction of the proposed	I reservoir is scheduled to	Construct 750,000 gallon									
178		in operation by 2017. Pressure Zone 9 has developed significantly w		elevated reservoir									
	commercial and institutional facilitie facilities do not meet minimum stan	es. The fire flow requirements have increased due to this developmen	nt to the point that current	Construction Contract									
179	raciiiles uu nui meet miniillum Star	iudius.		Administration									
180				Reservoir Pipeline Construction									
181	†			Project Total	-	-	-	-	-	_	_	-	65,000
182				112,500 1010									22,000

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	y and Reliability since 1882	2014-2020 Capital Improvem											
M	adison (1111)		Updated:	May 20, 2013									
	ater IIII tility mww	DRAFI	Delegano	Annual Totals	\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
			Primary Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
183	Pump Station 220 - Raymond	d Road PS	2022										
184	Construction of a booster pump station	on on the west side to move water between Zones 7, 9 and 10 and back	again through a	Public Engagement									65,000
185		to start in 2018 and be finished and in service by the end of the year. <u>B</u> station will setup operational flexibility within Pressure Zones 7, 9 and		Dual Zone Pump Station Design									
	transfer water from Zone 7 to Zones	9 and 10 and back again through a PRV. This operation will provide the	ability to share water	Dual Zone Pump Station		_							
186	supply resources between zones and	fully use existing facilities in providing operational flexibility. The project	will also provide	Construction									
187	supply redundancy to the far west sid	e.		PRV station		_							
188				Booster Station Piping Upgrade									
189				Project Total	-	-	-	-	-	-	-	-	65,000
190													
191	Near West Side Water Suppl	y Project (Glenway)	2023										
192		cheduled for 2021. The Water Master Plan has identified this well project		Public Engagement								63,000	
	supply deficiency in Pressure Zones	6 and 7. The Near West Side Water Supply Project project will provide	additional water	Site Selection and Property									483,000
193 194	supply capacity to both Zones 6 & 7. participation process and evaluation	The final location of the proposed well will be determined following a sig	nificant public	Purchase Drill Test Well		_							160,000
194	participation process and evaluation	period.		Drill production Well		_							100,000
170	†			Consultant Design contract for		_							
				Unit Well, Reservoir and Pump									
196	1			Station									
				Construction of Unit Well, Filter,									
197				Reservoir and Pump Station									
197	†			Construction Contract									
198				Administration									
]			Water Main Hydraulic									
199				Improvements									
200				Project Total	-	-	-	-	-	-	-	63,000	643,000
201	Danatas Duma Otatia : 200		2024			_							
202	Booster Pump Station 320	. II. 1109 - 91		Public Engagement									
203	Booster Pump Station 320 will provid	e the Utility with operational flexibility on the west side. The station will tr again through a PRV. This operation will provide flexibility in source of s	anster water from	Site Selection and Property		-		<u> </u>					
204		again through a PRV. This operation will provide hexibility in source of somers through gained system reliability.	upply to the West	Purchase									
205				Consultant Design contract									
206				Construction Services									
207	_			Construct BPS 320									
208	1			Water Main Improvements									
209				Project Total	-	-	-	-	-	-	-	-	-

	1	Madison Water Utility - 20	14 Capital Bu	udaet									
Qualit	s and Beliability since 1892	2014-2020 Capital Improv	•										
M	adison 🛁	2011 2020 Suprical Improv											
W	ater IIII		Updated:	May 20, 2013									
U	tility mww	IJKAF		Annual Totals	\$ 20.276.000	\$ 11,430,000	\$ 26.926.000	\$ 27.322.000	\$ 25.092.000	\$ 25.473.000	\$ 28.811.000	\$ 29.235.000	\$ 31.868.600
			Primary				+	,,		+ ==,===,===	+ ==,==,==	+ =1)=00)000	+ 02/000/000
			Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
210						_							
211						Pipe Replacement Rei	vestment Budget Goal	11,090,000			Pipe Replacement Re	investment Budget Goal	14,020,000
212	Pipeline Replacement/Rehab	b/Improvements	Ongoing	Total Pipe Rehab Budget	7,500,000	1,700,000	10,018,000	9,033,000	9,938,000	10,262,000	11,032,000	11,869,000	12,778,000
213		system replacement and upgrade program that provides for annua		Reconstruction Pipe Projects	3,500,000	750,000	3,000,000	3,950,000	4,108,000	4,272,000	4,443,000	4,621,000	4,806,000
214		ng infrastructure indicates the Utility needs to replace or rehabilitate		Resurfacing Pipe Projects	3,500,000	750,000	2,000,000	3,850,000	4,000,000	4,400,000	4,840,000	5,324,000	5,856,000
215		tain the system. A planned annual increase in spending to accompl		Pipe Lining Projects	500,000	200,000	1,000,000	1,100,000	1,445,000	1,590,000	1,749,000	1,924,000	2,116,000
216		ster Plan also recommends hydraulic improvements to the system.		Verona Road Pipeline			1,418,000	133,000	385,000				
217	meet Master Plan recommendations.	ment for hydraulic needs in 2015 and then increase this budget ove	r the next 15 years to	East Johnson			2,600,000						
218	Theet waster Flattrecommendations.	•		New Pipeline Projects	,	400,000	966,000	1,082,000	1,163,000	1,250,000	1,344,000	1,445,000	1,553,000
				Master Plan Hydraulic				=					
219	_			Improvement Pipe Projects				713,000	799,000	895,000	1,002,000	1,122,000	1,257,000
220				Project Total	8,340,000	2,100,000	10,984,000	10,828,000	11,900,000	12,407,000	13,378,000	14,436,000	15,588,000
221					F	Pipe Hydraulic Upgrade li		2,220,000			Pipe Hydraulic Upgrade		4,500,000
222			0			Pipe Hydraulic Upg	rade Investment Actual	2,182,000			Pipe Hydraulic Up	grade Investment Actual	3,669,000
223	Misc. Pump Station/PRV/Fac		Ongoing			-							
224		rious minor improvement projects that are necessary to sustain the		PRV Station Gammon Rd			50,000						
225		ese projects are itemized under a single heading. Pressure Reducin is needed to reduce areas of excessive pressure.	g stations will be	Upgrade Booster Pumps @ UW 20	350.000	150,000							
225	constructed trifoughout the system at	is needed to reduce areas of excessive pressure.		Upgrade Booster Pumps	,	150,000							
226				@ Res. 115 w/generator			850,000						
220	1			Water Main Improvements		-	030,000						
227				@ BPS 115			750,000						
228	1			Generator @ UW 26	335,000	200,000	,						
229	1			PRV Projects 2 per year	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,	100,000	104,000	108,000	112,000	116,000	121,000	126,000
230	1			Misc. Projects	100,000	50,000	500,000	525,000	1,000,000	1,050,000	1,103,000	1,158,000	1,216,000
231	1			Consultant Services	24,000	24,000	270,000	75,000	133,000	139,000	146,000	153,000	161,000
232	1			Project Total	809,000	424,000	2,520,000	704,000	1,241,000	1,301,000	1,365,000	1,432,000	1,503,000

	i	Madison Water Utility - 20°	14 Capital B	udget									
1000	y and Reliability since 1292	2014-2020 Capital Improve	ment Budge	et									
	adison (111)		Updated:	May 20, 2013									
	tility mwn	DRAF		Annual Totals	\$ 20,276,000	\$ 11,430,000	\$ 26,926,000	\$ 27,322,000	\$ 25,092,000	\$ 25,473,000	\$ 28,811,000	\$ 29,235,000	\$ 31,868,600
			Primary Construction										
Line	Project	Date/Description/Purpose	Year	Tasks	2013	2013 Carryover	2014	2015	2016	2017	2018	2019	2020
233													
234	System Wide Misc Projects		Ongoing										
235		ded in the Capital Budget that cover a variety of repair, rehabilitation,		West Side Water Master Plan	300,000	250,000					365,000		
236		ent Plan recommends a reinvestment of \$2.5 (2005 dollars) in system		Update Infrastructure Plan	200.000	150,000					243.000		
		I include Unit Well, pump station, and reservoir improvements and rei urpose be started in 2014 and then increased annually to raise it to the		SCADA Maintenance and		,					-,		
237		urpose be started in 2014 and them increased annually to raise it to tr ects are itemized under a single heading.	ie recommended ievei.	6 Year Upgrade	33,000		76,000	78,000	250,000	263,000	40,000	40,000	42,000
238	Daugeting purposes, these project	ioto dre nemizeu unuer a single neading.		Flow Meter and VFD Retrofit			125,000						
239	1			Meter Program			180,000	187,000	194,000	202,000	210,000	218,000	227,000
0.40				Private Well Connection	50,000	50,000	50,000	50.000					
240	4			Program Safety Additions to the Plant	29.000	29,000	31,000	33.000	35.000	37.000	39,000	41.000	43.000
241	-			Olin Admin Office Maintenance	29,000	29,000	31,000	33,000	33,000	37,000	39,000	41,000	43,000
242				Olif Admir Office Wallicharde	18,000	18,000	19,000	70,000	51,000	55,000	59,000	63,000	143,000
				Unit Well/PS/Reservoir									
243				Rehab/Maintenance	200,000	200,000	950,000	1,045,000	1,150,000	1,265,000	1,392,000	1,531,000	1,684,000
244				Well 24 Generator Connection			100,000						
				Generator emissions mods @			100,000						
245	4			Wells 20 & 30 Dump Site Purchase			125,000						
246 247	+			General Consultant Services	67.000	67,000	74,000	81.000	89.000	98.000	108,000	113,000	119,000
24/	†			Paterson Vehicle	07,000	07,000	74,000	01,000	55,000	30,000	100,000	110,000	113,000
248				Storage Bldg Maintenance	34,000	34,000	50,000	54,000	58,000	62,000	67,000	72,000	77,000
	1			Paterson Office				·		·			
249	1			and Shop Maintenance	59,000	59,000			25,000	26,000	27,000	28,000	29,000
250				Project Total	990,000	857,000	1,880,000	1,598,000	1,852,000	2,008,000	2,550,000	2,106,000	2,364,000
251													
				Total Estimated Annual Costs									
252 253				Equility Delays	20,276,000 stment and Renewal Goal	11,430,000	26,926,000 3.26	27,322,000	25,092,000	25,473,000	28,811,000	29,235,000 ment and Renewal Goal	31,868,600
253 254						tment and Renewal Actual	3.26 1.45					ent and Renewal Goal	2.10
255				y rtomroo	The state of the s	/ totaci					,		2.10