1		Madison Water Utility							
Quality and Reliability since 1892  Madison	2010-2015 Lo	ng Range Capital Improve	ement Budge	et	29 1				
Water III	<b>☆</b>	Updated: May 21, 2009							
Utility my	Vii	DRAFT	N.						
Line Project	Date/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
1 Zone 4 Fire Flow Su	pply Augmentation								^ -
2 This project is scheduled	to start construction in 2010 and be finished and in service in 2012.	Public Participation Plan			* ;				
	upply Augmentation project will correct a significant system	Additional Water Quality Analysis	25,000						
	e Water Master Plan in the southeast corner of the system. Due to	Property Purchase	100,000						
	r the years to the south, the hydraulics of the system will not	Drill Test Well	125,000						
	a for fire flow supply or system reliability and redundancy. There is	Production Well and Development	601,000						
also significant developm	ent pressure in the southeast and this project will support further	Consultant Design contract for design of			z.				
	Adding a second source of supply to the area will improve fire flow	Unit Well, Reservoir, Pump Station, and			, ,				,
	ater system level of service for the area up to Utility standards.	Pipelines	277,000			9		9	
6		Construct Unit Well		2,910,000				,	
7		Consultant Construction Administration		146,000		4.050.000			
8		Pipelines	4.400.000	0.000.000		1,050,000			
9		Project Total	1,128,000	3,056,000	-	1,050,000	•	•	•
10					* *			1	p. v.
	nental Fire Flow Supply	B.1. B							
	to start construction in 2010 and be finished and in service in 2011. $ \\$	Public Participation Plan		176					
	nental Fire Flow Supply will correct a significant system	Property Purchase							
	e Water Master Plan. Due to the fact that the area is fed by a single	Consultant Design contract for Pump	116 000		8			*	
	e Highway frontage road, the area is vulnerable to water outages	Station Construction Administration Services	116,000 58,000						
	restriction in fire flow capacity. This project will provide the ability to	Pipeline Construction	866,000	2					
transfer water from well	18 in Zone 6. The Project includes a pipeline on the Cannonball Run	Pump Station Construction	827,000						
18 BIKE Trail that will link the	area to the Verona Road Area.	Project Total	1,867,000						
19		Project rotal	1,007,000	-		-	-	-	-
20 Unit Well No. 8 - Fe	and Mn Mitigation								2
		Public Participation							
Time project to contouriou	to start construction in 2011 and be finished and in service by the	Public Participation Pilot Study	50,000	2 1					
	II No. 8 - Fe and Mn Mitigation will address the water quality due to iron and manganese levels that exceed the EPA secondary	UW 8 - Filter and Facility Design	50,000					*	
	red water that occurs when the well is run, well operation is	Documents	260,000	y ,					
otandara. Due to the colo	ild allow the well to be operational all year long. The project will	Construction Administration Services		227,500					
Gammor Griffi i mitor wou	s in the east Isthmus area and improve the quality of the water	Construction of Unit Well No. 8 Fe and Mn		,					
	ging it up to minimum Utility water quality standards.	Filter		3,250,000					A THE RESERVE OF
26		Project Total	310,000	3,477,500	-	-	-		-
27									
28 Unit Well No. 7 - Fe	and Mn Mitigation								
	to start construction in 2012 and be finished and in service by the	Public Participation	50,000						
end of the year. Unit We	II No. 7 - Fe and Mn Mitigation will address the water quality	Pilot Study	50,000						×
31 issues that exist at Well 7	rimarily due to iron levels that exceed the EPA secondary	UW 7 - Filter Design		300,000					
	ared water that occurs due to the oxidized iron when the well is run,	Construction Administration Services			262,500				
	imited to fill in only. A filter at Well 7 will benefit existing customers	Construction of Unit Well No. 7 Fe and Mn							∞
	up to minimum Utility water quality standards.	Filter			3,750,000				
34		Project Total	100,000	300,000	4,012,500	-	-		-

	j		Madison Water Utility							
	adison	2010-2015 Lo	ng Range Capital Improve	ment Budge	et					
	ater III	<b>1</b>	Updated: May 21, 2009			= 54				
	tility my	vii e	DRAFT		_					
Line F	Project	Date/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
35								2		
	ressure Zone 9 St	orage								
		to start construction in 2011 and be finished by the end of the year.	Public Participation Plan			u ili		. 0		
38 TH	ne Pressure Zone 9 S	torage project will correct a significant system storage deficiency in	Reservoir Property Purchase		250,000					
		d by the Water Master Plan. Pressure Zone 9 has developed	Consultant Design Services		153,000		2			
		residential but commercial and institutional facilities. The fire flow	Construct 750,000 gallon elevated							<
40 re	equirements have increa	ased due to this development to the point that current facilities do	reservoir			1,914,000		1 , 1		9
		ards. The Master Plan proposes to construct storage on the west	Construction Contract Administration			115,000				
	de of the zone to hydra	ulically balance the system.	Reservoir Pipeline Construction			260,000				
43			Project Total	•	403,000	2,289,000	- 1	-		
44										, v
	ebuild Booster Pu	•								
		to start construction in 2011 and be finished and in service by the	Public Participation Plan	50,000		7				
		ouilt Booster Pump Station #106 project is necessary to bring the	Consultant Design contract	110,000	4 400 000			,		
		nt safety standards and codes and to improve reliability of operation	Construction of Pump Station		1,100,000					
	the station. This facility	y allow the Utility to transfer water from Zone 6 to Zone 7.	Construction Contract Administration	400,000	77,000 <b>1,177,000</b>					
50			Project Total	160,000	1,177,000	-		-		• • •
51	ast Isthmus Unit V	Mall							n 8	
			Public Participation Plan							
		to start construction in 2011 and be finished and in service by late	Property Costs for E. Isthmus Well	150,000					×	
		abandoned in early 2008 due to elevated levels of Carbon	Drill test well for E. Isthmus Well	123,000		,				
	and the second s	ct is intended to replace that lost supply capacity. The <u>East</u> estore lost supply redundancy and reliability to the east Isthmus	Drill new E. Isthmus Well	125,000	615,000				*	
1-10	rea.	estore lost supply redundancy and reliability to the east istillings	Consultant Design contract for E. Isthmus		010,000					
l a	lea.		Well Reservoir and Pump Station							
57						316,000				
			Construction of E. Isthmus Well Reservoir							
58			and Pump Station	Y-1			3,160,000			
59			Pipeline Improvements				007 006	1,000,000		·
60			Consultant Contract Administration	070.000	045.000	040.000	237,000	4 000 000		
61			Project Total	273,000	615,000	316,000	3,397,000	1,000,000		-
62	1-14 14/- 11 Al - 40 =									
		e and Mn Mitigation	D. F.E. D. at. C.			50.000				- T
		to start construction in 2012 and be finished and in service by the	Public Participation			50,000	50.000			
		No. 10 - Fe and Mn Mitigation will address the water quality issues	Pilot Study  Deep Well reconstruction				681,000			
		to iron and manganese levels that exceed the EPA secondary	UW 10 - Filter Design				300,000			
		een placed on supply reserve status. A filter would allow the well to nd service. The project will benefit existing customers in the Zone 7	Construction Administration Services				300,000	262,500		
		nd service. The project will benefit existing customers in the Zone / ne water quality at Well 10 up to minimum Utility water quality	Construction of Unit Well No. 10 Fe and					202,000		
	ervice area and bring tr tandards.	ie water quality at vveir to up to minimum officty water quality	Mn Filter					3,750,000		
70	tantarus,		Project Total	-	-	50,000	1,031,000	4,012,500		-

		<b>Madison Water Utility</b>							
Quality and Reliability since 1882  Madison	2010-2015 Loi	ng Range Capital Improve	ment Budg	et	,				
Water IIII		Updated: May 21, 2009							*
Utility mwn		DRAFT							
Line Project	Date/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
71									
72 Zone 7 & 8 Supplemental Su	ipply - Whitney Way							-	
73 This project is scheduled to start cor	nstruction in 2011 and be finished and in service by the	Public Participation Plan							
end of 2013. The Zone 7 & 8 Suppl	lemental Supply project provide additional water supply	Additional Water Quality Analysis and							=
	well was identified in the Water Master Plan to address	Investigation	50,000	× × × × × × × × × × × × × × × × × × ×					
75 system supply issues projected in the	ne future.	Drill test well	123,000						
76		Drill production Well			633,000				
		Consultant Design contract for Unit Well			004.000	0.400.000			
77	2	Reservoir and Pump Station			294,000	3,130,000			
		Construction of Reservoir and Pump Station				235.000			
78		Consultant Contract Administration				600,000			
79 80	9	Project Total	173,000		927,000	3,965,000			
81		Froject rotal	173,000		321,000	3,903,000	-	-	-
82 Near West Side Water Suppl	ly Project - Glenway								
	•	Public Participation Plan						50,000	
	nstruction in 2017 and be finished and in service by the	Additional Water Quality Analysis and						30,000	
end of 2019. The <u>Near West Side N</u>	Nater Supply Project project provide additional water	Investigation							60,000
	7. This well was identified in the Water Master Plan to	Drill Test Well							147,000
address system supply issues proje	cted in the future.	Drill production Well							117,000
00		Consultant Design contract for Unit Well,							
87		Reservoir and Pump Station							
		Construction of Unit Well, Reservoir and							
88		Pump Station							= 1
89		Construction Contract Administration						· h	
90		Water Main Hydraulic Improvements							
91		Project Total	-	-	-	-	-	50,000	207,000
92									
93 Pump Station 220 - Raymon	nd Road PS								
94 This project is scheduled to start co	instruction in 2014 and be finished and in service by the	Public Participation Plan			50,000			-	
	220 - Raymond Road Pump Station project will setup	Dual Zone Pump Station Design				120,000			
	e Zones 9 and 10. The station will transfer water from	Dual Zone Pump Station Construction					1,000,000		
	through a PRV. This operation will provide the ability to	PRV station		1			75,000		
	een zones and fully use existing facilities.	Booster Station Piping Upgrade				e e	V	1,000,000	1,100,000
99		Project Total	-	-	50,000	120,000	1,075,000	1,000,000	1,100,000

### Action   Project   Date Description Purpose   Tasks   2010   2011   2012   2013   2014   2015   2016			Madison Water Utility							
Unit   Project   Date-Description/Purpose   Tasks   2010   2011   2012   2013   2014   2015   2016		2010-2015 Loi	ng Range Capital Improve	ment Budge	et	1				
Unit Project Date Description/Purpose  Tasks 2010 2011 2012 2013 2014 2015 2016  Project Incommendation to Lakeville Reservoir  Responded to L			Updated: May 21, 2009							
Reconstruct the Lakeview Reservoir Typicals scheduled to start construction is 2014 and be finished and in servoir by the part of the year scheduled start construction is 2014 and be finished and in servoir by the part of the year scheduled start construction is 2014 and be finished and in servoir by the part of the year scheduled start construction is 2014 and part of the Water Master Plan and excide improvement for the Water Master Plan in additional water supply reports to be nothered and in service by the form the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water supply spears to the discovery of the water Plan in additional water	A PERSONAL PROPERTY AND A PERS	In .	DRAFT							1 1 10
Mary   Construct the Lakeview Reservoir   Constitution Design contract   Constitution Design   Constitution Design contract   Constitution Design contrac	Line Project	Date/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
Part	100									
10   10   10   10   10   10   10   10										*
set and provide medical water storage in Zeroe 6 on the cells in the Water Master Plan and would improve fire fighting capacity within the system water for the Water Master Plan and would improve fire fighting capacity within the system water for Zeroe Lakeweigh Reservoir 1972 (Construction Services) 1972				50,000						
saffet in the Water Naster Pian and would improve fire fightling capacity within the system  Water Main Improvements Digrade Booster Pumps @ Ros. 113 Water Main Improvements Digrade Booster Pumps @ Ros. 113 Water Main Improvements @ Ros. 103 Water Main Improvem					183,000		33.8	× ×		
Water Main Improvements Upgrade Booster Pumps @ Res. 113 Water Main Improvements Upgrade Booster Pumps @ Res. 113 Water Main Improvements Water Supp. 4,600,000 Water Main Improvements Consultant Control of Unit Water Supp. 4,600,000 Water Main Improvements Consultant Design contract Consultant Design Contrac						188,000				
Uggrade Booster Pumps @ Res. 113		ter Plan and would improve fire figthting capacity within the system.	Construct Two Zone Lakeview Reservoir			1,779,000				
Main	106					900,000				
10	107				250,000					
10	108		Water Main Improvements @ Res 113							
Marcian   Construction   Project   Substitute   Supplemental Water Supply - Hospiter Rd	109		Project Total	50,000	783,000	2,867,000	-	-	-	-
15   This project is scheduled to start construction in 2015 and be finished and in service by the end of 2016. The Nerth End Supplemental Water Suppy - Hospitar System supply issues projected in the future.    15   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     16   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     17   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     18   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     19   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     19   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     19   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     10   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     10   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     10   Value Master Plan to address system supply issues project will replace the future.   Public Participation Plan     10   Value Master Plan to address system supply issues projected in the future.   Public Participation Plan     11   Value Master Plan to address system supply issues project will replace the future.   Public Participation Plan     18   Value Master Plan to address system supply issues project will replace the future.   Public Participation Plan     19   Value Master Plan to address system supply issues project will replace the future.   Public Participation Plan     10   Value Master Plan to address system supply issues project will replace the future.   Public Participation Plan     10   Value Participation Plan   Public Participation Plan     10   Value Participation Plan   Public Participatio	110									
11   12   end of 2016. The Morth End Supplemental Water Supply (pagedly to the north end of Zone 6. This well was identified in the distribution of the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the distribution of the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Water Supply (pagedly to the north end of Zone 6. This well was identified in the Supplemental Construction of Water Main Interpretation in Zone 5. The Supplemental Construction in Zone 5. The Supple	111 North End Suppleme	ental Water Suppy - Hoepker Rd						-		
10	112 This project is scheduled	to start construction in 2015 and be finished and in service by the	Public Participation Plan				50,000			
18   Additional water supply capacity to the north end of Zone 6. This well was identified in the water supply issues projected in the future.   Constructed   Construction   Constructi			Drill test well	1.1				134,000		
Mater Master Plan to address system supply issues projected in the future.   Construction of Unit Well, Reservoir and Pump Station   Pump S			Drill Production Well						731,000	
18			0						173,000	1264
171							1			4.544.6
10										
119   Booster Station 129   Sooster Station 129   Sooster Station 129   This project is scheduled to start construction in 2015 and be finished and in service by the end of the year. The Booster Station 129, project will replace the tempary pump station constructed on the Well 29 site. The station will transfer water from Zone 6 to Zone 123 and back again through a PRV. This operation will provide supply and fire flow capability to the act as side of the system. It will benefit customers through gained reliability.    Project Total   Society Station 129   Society										
Boster Station 129			Project Total	-	-	•	50,000	134,000	904,000	3,972,000
This project is scheduled to start construction in 2015 and be finished and in service by the of the year. The Booster Station 129 project will replace the tempary pump station constructed on the Well 29 site. The station will transfer water from Zone 6 to Zone 123 and backgrain through a PRV. This pore jack in through a PRV. This pore jack in the work of the year. The Booster Station 129 project will replace the tempary pump station and of the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station 129 project will replace the tempary pump station and the year. The Booster Station will trease the tempary pump station and the year. The Booster Station will replace the tempary pump station and the year. The Booster Station will replace the tempary pump station and the year. The Booster Station will replace the tempary pump station and the year. The Booster Station will replace the tempary pump station and the year. The Booster Station will replace the tempary pump station and the year. The Booster Station will replace the year. The Booster Station will provide supply and fire flow capability to the Water Main Innovation of Construc										
122   ond of the year. The Booster Station 129 project will replace the tempary pump station constructed on the Well 29 site. The station will provide supply and fire flow capability to the ack again through a PRV. This operation will provide supply and fire flow capability to the ack again through a PRV. This operation will provide supply and fire flow capability to the are ast side of the system. It will benefit customers through gained reliability.    20										
132 of softward of the Well 29 site. The station will transfer water from Zone 6 to Zone 123 and back again through a PRV. This operation will provide supply and fire flow capability to the ack again through a PRV. This operation will provide supply and fire flow capability to the far east side of the system. It will benefit customers through gained reliability.  126			· · · · · · · · · · · · · · · · · · ·				50000			
back again through a PRV. This operation will provide supply and fire flow capability to the far east side of the system. It will benefit customers through gained reliability.    20	ond of the journ the book		Ů,					168,000		
125   far east side of the system. It will benefit customers through gained reliability.   Construct BPS 129   Construct BPS	DONOTI GOLOGO ON THO TYON Z									
Project Total 50,000 168,000 2,184,000										
127	far east side of the system	n. It will benefit customers through gained reliability.					50.000	400,000		
Paterson Street Building Remodel and Upgrade  This project is scheduled to start construction in 2013 and be finished and in service in early 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's 2014. The Paterson			Project Total	-	-	-	50,000	168,000	2,184,000	
This project is scheduled to start construction in 2013 and be finished and in service in early 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's Architectural Services/Review 330,000 900,00										
130 2014. The Paterson Street Building Remodel and Upgrade will rebuild the Utility's Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  Architectural Services/Review 330,000 900,000			5.11.5.11.1.1.1.1			F0.053				y* * *
131 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  132 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  133 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  134 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  135 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  136 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  137 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  138 Operations Center. The existing facility is outdated and cramped and in need of replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.										
replacement. A new space will make vehicle maintenance operations more efficient and safe for Utility employees.  Furnishings and Equipment Construction Admin 2448,000  Vehicle Maintenance Building Construction 3,230,000	Edili illo i attiro il atti					330,000	000 000			
for Utility employees.  Construction Admin Vehicle Maintenance Building Construction 3,230,000  Construction Admin Vehicle Maintenance Building Construction 3,230,000							900,000	250,000		
Vehicle Maintenance Building Construction 3,230,000		e will make vehicle maintenance operations more efficient and safe					249.000	250,000		
134	for Utility employees.						248,000			
	124		vehicle ivialintenance Building Construction				3 230 000			
	134		Project Total		_	380,000	4,378,000	250,000		and production

		Madison Water Utility							ā
Quelity and Reliability since 1882  Madison	2010-2015 Lor	ig Range Capital Improve	ment Budge	et					
Water IIII		Updated: May 21, 2009							
Utility mww		DRAFT							,
Line Project	Date/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
136 137 <b>Zone 10 Far West Elevated</b>	I Pagamain								
	/est Side Elevated Reservoir is scheduled for 2016. The	Public Participation Plan		1			50,000		
Contact dotton of the Zone for the Vi	ervoir project will provide additional water storage	Consultant Design contract					-	150,960	
Edito 10 Tul Troot Elevator 1100a	zone 10 has developed with not only residential but	Construction Services						100,000	132,090
	es, the existing elevated tank on High Point Road no	Construct 750,000 gallon reservoir							1,687,000
	Providing minimum fire flow requirements to this	Reservoir piping improvements		8					200,000
	minimum standards. This project is identified in the	Water Main Improvements		1					500,000
144 Master Plan		Project Total	-	-	-	-	50,000	150,960	2,519,090
145				<i></i>					1
146 Blackhawk Elevated Reser	voir								
	vated Reservoir is scheduled for the year 2015. The	Public Participation Plan				50,000			
	project will provide the planned water storage capacity to	Consultant Design contract					140,800		
	from pumped to gravity. This project will provide reliable	Construction Services						123,000	
	ssure zone 11. This project is identified in the Master Plan.	Construct 750,000 gallon reservoir						1,460,000	
151		Reservoir piping improvements						200,000	
152		Water Main Improvements Project Total	-	_		50,000	140,800	500,000 <b>2,283,000</b>	
153		Project rotal	-	-	-	50,000	140,000	2,263,000	-
155 SCADA System Upgrade									
, , , ,	oderization of the Utility's Supervisory Control and Data	System Wide SCADA Upgrade to PLC							
	al control system that has reached the end of its life.	(2007 - 2010)	300,000	300,000	50,000	50,000	50,000	150,000	150,000
157	ar control by com that has reached the one of the mor	Project Total	300,000	300,000	50,000	50,000	50,000	150,000	150,000
158									
159 Infrastructure System Plan									
	ed system replacement and upgrade program that provides	Reconstruction Projects	4,410,000	4,564,000	4,724,000	4,889,000	5,060,000	5,237,000	5,420,000
	e Utiity needs to replace over 400 miles of pipe in the next	Resurfacing Projects	2,363,000	2,446,000	2,532,000	2,621,000	2,713,000	2,808,000	2,906,000
	planned annual increase in spending to accomplish this	East Washington Improvements  New Pipeline Construction	750,000	1,500,000 780,000	811,000	843,000	877,000	912,000	948.000
goal by 2050 will be continued.	, .	Security Upgrades	184,000	193,000	203,000	213,000	224,000	235,000	241,000
165		Project Total	7,707,000	9,483,000	8,270,000	8,566,000	8,874,000	9,192,000	9,515,000
166		1 Toject Total	1,101,000	0,700,000	0,210,000	0,000,000	0,077,000	3,132,000	3,313,000
167 Booster Pump Station 114									
	construction in 2016 and be finished and in service by the	Public Participation Plan					50,000		
	tion 114 project will provide the Utility with operational	Consultant Design contract		,				75,000	
	ation will transfer water from Zone 6 to Zones 7 and 8 and	Construction Services		×					60,000
	peration will provide flexibility in source of supply to the	Construct BPS 114							750,000
	nefit customers through gained system reliability.	Water Main Improvements							900,000
173		Project Total	-	-	-	-	50,000	75,000	1,710,000

Madison Water Utility	2010-2015 Lor	ng Range Capital Improve	4 D I						
Water IIII		.9 9	ement Buag	et	-	y			
AA OD O O W		Updated: May 21, 2009							
		DRAFT			* * *				
Line Project D	Pate/Description/Purpose	Tasks	2010	2011	2012	2013	2014	2015	2016
174	· ·								
175 Booster Pump Station 320								To the section of	
176 This project is scheduled to start cons	struction in 2017 and be finished and in service by the	Public Participation Plan		11 A 11				50,000	
end of the year. The Booster Station	320 project will provide the Utility with operational	Consultant Design contract							80,000
178 flexibility on the west side. The station	will transfer water from Zone 6 to Zones 7 and 8 and	Construction Services							7
back again through a PRV. This operation	ation will provide flexibility in source of supply to the	Construct BPS 114							
west side of the system. It will benefit	customers through gained system reliability.	Water Main Improvements				× 1			
181	100 to e	Project Total	- I	-	-	-	-	50,000	80,000
182									
183 Misc. Pump Station/PRV/Facili									
The Water Master Plan identified various	ous minor improvement projects that are necessary to	PRV Station Vondron Rd			80,000				
	e. For budgeting purposes, these projects are itemized	PRV Station Gammon Rd			80,000				
under a single heading.		Upgrade Booster Pumps @ UW 25	260,000		*1.00				
187	_	Upgrade Booster Pumps @ UW 20							500,000
188		Water Main Improvements @ BPS 125							
189		Upgrade Booster Pumps @ Res. 115		125,000					×
190		Water Main Improvements @ BPS 115							
191		PRV @ 115		40,000					
192		PRV @ 126	107.000						
193		Generator @ UW 26	125,000						
	-	Long Range BPS and Reservoir Prits			*				
	,	Long Range Well Projects							
1.7	, and the state of	Long Range Master Plan Pipelines	-12-50			050 000	050.000	000.000	
		Misc. Upgrade Projects	04.000	40.000	40.000	250,000	258,000	266,000	274,000
194		Consultant Services	31,200	19,800	19,200	30,000	31,000	32,000	93,000
195		Project Total	416,200	184,800	179,200	280,000	289,000	298,000	867,000
197 System Wide									
	ed in the Capital Budget that cover a variety of repair,	Lead Service Replacement	200,000					, and the second	
Covorar eyetein mae tacke are molade		Meter Program	339,000	346,000	353,000	360,000	367,000	374,000	381,000
renabilitation, and upgrade projects. F	For budgeting purposes, these projects are itemized	Automated Meter Reading	5,370,000	5,530,000	333,000	300,000	307,000	374,000	301,000
201 under a single heading.	<i>x</i>	Safety Additions to the Plant	16,100	17,300	18,600	20,000	21,500	23,100	24,800
202		Olin Admin Office Rehab	15,800	16,600	17,400	18,300	19,200	20,200	21,200
203		Unit Well Rehab	100,000	108,000	116,000	125,000	134,000	144,000	155,000
204		Consultant Services	50,000	51,500	53,000	54,600	56,200	57,900	59,600
205		Paterson Vehicle Storage Bldg Repair	800,000	01,000	00,000	04,000	30,200	37,000	55,000
206		Paterson Office and Shop Rehab	50,000	53,000	56,000	59,000	62,000	65,000	68,000
207		Project Total	6,940,900	6,122,400	614,000	636,900	659,900	684,200	709,600
208			-,,-	-,,	,.	,			,
209		Total Estimated Annual Costs	\$ 19,425,100	\$ 25,901,700	\$ 20,004,700 \$	23,623,900 \$	16,753,200 \$	17,021,160 \$	20,829,690