Submitted at 6/22/2011 Committee marting Item 2

	MPWMD	WATER C	ONSERVA	TION BUD	GET RE	QUESTS 2012-2014
	2012	2013	2014	New BMP	Rebate	Notes
Rebates				,,		
High Efficiency						20 High Effficiency dishwashers per year. 5.8 gpc and
Dishwasher	2,500.00	2,500.00	2,500.00	3, 4	125.00	Energy Star.
CII Water Efficient						To be added in 2010 and based on gallons per rack
Dishwasher	10,000.00	10,000.00	10,000.00	4.00	500.00	
High Efficiency Toilets (HET)	150,000.00	100,000.00	0.00	3, 4	200.00	If no credit there will be more incentive to received rebate until 2013 when they are required in CII and 75% of available replacement fixtures are HET.  Ordinance to be modified in 2010. Plan for 750 HET in 2012/ and 500 in 2013. Required in 2014
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	0.00	<u> </u>	1200.00	If no credit there will be more incentive to received
Residential High						rebate until 2013 when they are required in CII and only avaiable replacement fixtures are HET. Ordinance to be modified in 2010. Plan for 750 HECW
Efficiency Clothes						in 2012, 500 in 2013 and 250 in 2014. CII retrofit
Washer (HECW)	187,500.00	125,000.00	0.00	3, 4	250.00	111 20 12, 300 111 20 13 and 230 111 20 14. On Tetion
CII HECW (including	, , , , , , , , , , , , , , , , , , , ,			<u> </u>	1200.00	Water Factor <= 5.0. Plan for 250 CII HECW in 2012.
common laundry						Required in 2013
rooms)	112,500.00	0.00	0.00	4.00	450.00	
IAHWs and on-						Also \$100 for single component on system with Multi-
demand systems	5,000.00	5,000.00	5,000.00	3, 4	200.00	components, limit 2. Estimate 50 per year
Zero Water Urinals	15,000.00	15,000.00	15,000.00	4.00	300.00	In appropriate settings. Estimate 50 per year
High Efficiency Urinals (0.5 gpf)	60,000.00	20,000.00	0.00	4.00	200.00	Required for Visitor Serving CII by 2013; state requirement in 2014. Estimate: 300 units in 2012, 100 units in 2013
Pint Urinals	60,000.00	30,000.00	0.00	4.00	300.00	To be increased from \$250 to \$300 in 2010. Estimate: 200 units in 2012, 100 in 2013
Rainwater storage	80,000.00	80,000.00	80,000.00	5.00	25.00	Increase storage to 30,000 (approx .1 AFA). Rebate is \$25 per 100 galllons. Goal: 1 AF per year
	55,555,00	23,223.00	20,000.00		1-0.00	\$100 for Up to 4 stations, Plus \$10/station up to 20
Smart Controllers	7,500.00	7,500.00	7,500.00	5.00	300.00	Goal: 25 Smart Controllers annually
Rain Sensors	1,250.00	1,250.00	1,250.00	5.00	25.00	Current Change of Title/New construction requirement. Goal: 50 per year
Soil Moisture Sensors	1,250.00	1,250.00	1,250.00	5.00	25.00	Goal: 50 per year

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						Up to 2,000 sf (to be modified) DEED RESTRICTED
Lawn Removal &						for 15 years. Goal: Reduce lawn area by 2.5 acres
Replacement with						per year- \$2500 per AF
Drought Tolerant or						per year w2500 per Ai
Permeable Landscape						
(aka Cash for Grass)	136 135 00	126 125 00	136,125.00	5.00	1.25	
(aka Casil IOI Glass)	136,125.00	130,123.00	130, 123.00	5.00	1.20	Ula to 0 000 of DEED DECEDIOTED for 45 was as
Synthetic Turf	E0 000 00	E0 000 00	50,000,00	. 2.4.5	000	Up to 2,000 sf DEED RESTRICTED for 15 years
Synthetic Turf	50,000.00	50,000.00	50,000.00	3, 4, 5	2.00	Estimate: 25,000 sf/yr
•						The average processor uses 788,400 gallons of water
						per year. With this recirculation system, reduction to
						13,530 gallons per year, which lowers water and
X-Ray recirculation	20,000.00	20,000.00	20,000.00	4.00	2,000.00	sewage costs. Goal: 20 per year
					1	Split between pH controller and this. Goal: 5 per year
Cooling tower		•		•		
conductivity controller	5,000.00	5,000.00	5,000.00	4.00	1,000.00	
						To be added in 2010. Split between conductivity
pH controllers	9,500.00	9,500.00	9,500.00	4.00	1,900.00	controller. Goal: 5 per year
						To be added in 2010. \$50 or 50 percent off the
						purchase price of a pool cover, which ever is less or
						\$200 or 50 percent off the purchase of a permanent,
·						mechanical pool cover. Estimate: 10 per year
Pool covers	5,000.00	5,000.00	5,000.00	3, 4	200.00	
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						Most steam sterilizers waste gallons of water by using
						continuous cold water to temper the steam
·						condensate. The Steam Sterilizer retrofit monitors the
						drain temperature and applies cold water only when
Steam sterilizer	20,000.00	20,000.00	20,000.00	4.00	2,000.00	needed, resulting in tremendous water savings. In fa
			,			Estimated savings 0.4 AFA/10 yr = 4 AF. Misting
						oven. Max 15 gph (To be added in 2010). Goal: 10
Steam oven (Combi)	15,000.00	15,000.00	15,000.00	4.00	1,500.00	per year
			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Based on data from a study done by the Food Service
						Technology Center, the connectionless steamers save
					1	an average of 81,500 gallons per year with an
		•				estimated 10-year life. Rebates are available for
Boilerless/connection						qualifying connectionless food steamers, with more
ess food steamers	10,000.00	10,000.00	10,000.00	4.00	500.00	than
Water Efficient Ice	,	,	. 5,555.56			CEE Tier II or III. Goal: 100 in 2012 and 25 per year
Machine	40,000.00	10,000.00	10,000.00	·	400.00	after. Required for Visitor Serving in 2013
1110011110	10,000.001	10,000.00	10,000.00		1-100.00	Latter. Trequired for visitor derving in 2010

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		•				Liquid ring vacuum pumps use large quantities of
						water as a liquid seal to create the vacuum. Dry
			*			vacuum pumps create vacuum and avoid the use of
	.*					
			-			water as a sealant by using parts which are machined
D	0.000.00	0.000.00	0.000.00	4.00		with extremely close tolerances. REBATE: \$150 per
Dry vacuum pumps	6,000.00	6,000.00	6,000.00	4.00	600.00	0.5
B-4-4	40.500.00	10 500 00	40 500 00		4.50	Goal: 7000 per year
Rotator spray nozzles	10,500.00	10,500.00	10,500.00	5.00	1.50	
,,, , ,, ,, ,, ,						Savings of up to 1.6 AFA. Currently not available in
Waterless Wok	4,000.00	4,000.00	4,000.00	4.00	2,000.00	US (2010), but available soon. Goal: 2 per year
						Graywater valve. Cost approximately \$45. Goal: 50
3-Way valves	1,250.00			5.00	25.00	per year
Water Broom	300.00	300.00	300.00	4.00	150.00	Goal: 2 per year
Rebate Total	1,025,175.00	700,175.00	425,175.00	2,150,525.00		
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