ITEM: INFORMATIONAL ITEM/STAFF REPORTS

23. WATER CONSERVATION PROGRAM REPORT

Meeting Date: July 20, 2015 Budgeted: N/A

From: David J. Stoldt, Program/ N/A

General Manager Line Item No.:

Prepared By: Gabriela Ayala Cost Estimate: N/A

Committee Recommendation: N/A

CEQA Compliance: N/A

I. MANDATORY WATER CONSERVATION RETROFIT PROGRAM

District Regulation XIV requires the retrofit of water fixtures upon Change of Ownership or Use with High Efficiency Toilets (HET) (1.28 gallons-per-flush), 2.0 gallons-per-minute (gpm) Showerheads, 2.2 gpm faucet aerators, and Rain Sensors on all automatic Irrigation Systems. Property owners must certify the Site meets the District's water efficiency standards by submitting a Water Conservation Certification Form (WCC), and a Site inspection is often conducted to verify compliance.

A. Changes of Ownership

Information is obtained monthly from *Realquest.com* on properties transferring ownership within the District. The information is entered into the database and compared against the properties that have submitted WCCs. Details on **139** property transfers that occurred in June 2015 were entered into the database.

B. Certification

The District received **55** WCCs between June 1, 2015 and June 30, 2015. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

C. Verification

In June, **122** properties were certified to verify compliance with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **122** inspections certified, **102** (**84%**) were in compliance. **Four** of the properties that passed inspection involved more than one visit to verify compliance with all water efficiency standards.

District inspectors are tracking toilet replacement with High Efficiency Toilets (HET) in place of ULF toilets. These retrofits are occurring in remodels and new construction, and are the toilet of choice for Rule 144 compliance. State law mandated the sale and installation of HET by January 1, 2014, with a phase-in period that began in 2010. The majority of toilets sold in California are HET.

Savings Estimate

Water savings from HET retrofits triggered by Rule 144 verified in June 2015 are estimated at **0.422** acre-feet annually (AFA). Water savings from retrofits that exceeded requirements (i.e., HETs to Ultra High Efficiency Toilets) is estimated at **0.270** AFA (31 toilets). Year-to-date estimated savings occurring as a result of toilet retrofits is **7.930** AFA.

D. Water Waste Enforcement

In response to the State's drought emergency conservation regulation effective August 1, 2014, the District has increased its Water Waste enforcement. The District has a Water Waste Hotline 831-658-5653 or an online form to report Water Waster occurrences at www.mpwmd.net or www.mpwm

II. WATER DEMAND MANAGEMENT

A. Permit Processing

District Rule 23 requires a Water Permit application for all properties that propose to expand or modify water use on a Site, including New Construction and Remodels. District staff processed and issued **60** Water Permits in June 2015. **Five** Water Permits were issued using water entitlements (Macomber, Pebble Beach Company, Griffin Estates, etc). No Water Permit involved a debit to a Public Water Credit Account.

All Water Permits have a disclaimer informing applicants of the Cease and Desist Order against California American Water and that MPWMD reports Water Permit details to California American Water. All Water Permit recipients with property supplied by a California American Water Distribution System will continue to be provided with the disclaimer.

District Rule 24-3-A allows the addition of a second Bathroom in an existing Single-Family Dwelling on a Single-Family Residential Site. Of the **60** Water Permits issued in June, **nine** were issued under this provision.

B. Permit Compliance

District staff completed **64** Water Permit final inspections during June 2015. **Eight** of the final inspections failed due to unpermitted fixtures. Of the **42** properties that were in compliance, **38** passed on the first visit. In addition, **six** pre-inspections were conducted in response to Water Permit applications received by the District.

C. <u>Deed Restrictions</u>

District staff prepares deed restrictions that are recorded on the property title to provide notice of District Rules and Regulations, enforce Water Permit conditions, and provide notice of public access to water records. In April 2001, the District Board of Directors adopted a policy regarding the processing of deed restrictions. In the month of June, the District prepared **59** deed restrictions. Of the **60** Water Permits issued in June, **52** (**87%**) required deed restrictions. District staff provided Notary services for **77** Water Permits with deed restrictions.

III. JOINT MPWMD/CAW REBATE PROGRAM

The Water Conservation Rebate Program is available for purchase of Qualifying Devices.

Participation in the rebate program is detailed in the following chart. The table below indicates the program summary for California American Water Company.

ı									1997 -
	REBATE PROGRAM SUMMARY			June-2015					Present
I.	App	olication Summary							
	A.	Applications Received	192					955	19700
	В.	Applications Approved	151					760	15471
	C.	Single Family Applications	180					885	17720
	D.	Multi-Family Applications	8					53	995
	E.	Non-Residential Applications	4					17	230
			Number						
			of	Rebate	Estimated	Gallons	YTD		
II.	Тур	e of Devices Rebated	devices	Paid	AF	Saved	Quantity	YTD Paid	YTD Est AF
	A.	High Efficiency Toilet (HET)	32	3433.97	1.335936	435316.082	150	23559.92	6.2622
	В.	Ultra Low Flush to HET	43	4020.00	0.430000	140115.930	256	14770.00	2.56
	C.	Ultra HET	2	300.00	0.020000	6517.020	17	3564.83	0.17
	D.	Toilet Flapper	0	0.00	0.000000	0.000	3	31.95	0
	E.	High Efficiency Dishwasher	25	3125.00	0.075000	24438.825	97	12125.00	0.291
	F.	High Efficiency Clothes Washer	62	30929.98	0.998200	325264.468	281	140136.39	4.5241
		Instant-Access Hot Water							
	G.	System	1	189.99	0.000000	0.000	6	1178.99	0
	Н.	On Demand Systems	0	0.00	0.000000	0.000	2	200.00	0
	I.	Zero Use Urinals	1	300.00	0.020000	6517.020	1	300.00	0.02
	J.	High Efficiency Urinals	0	0.00	0.000000	0.000	0	0.00	0
	K.	Pint Urinals	0	0.00	0.000000	0.000	2	492.12	0.04
	L.	Cisterns	2	1025.00	0.000000	0.000	11	5898.75	0
	M.	Smart Controllers	0	0.00	0.000000	0.000	0	0.00	0
	N.	Rotating Sprinkler Nozzles	0	0.00	0.000000	0.000	66	264.00	0
	Ο.	Moisture Sensors	0	0.00	0.000000	0.000	0	0.00	0
	Р.	Lawn Removal & Replacement	3	4240.00	0.158800	51745.139	9	12199.00	1.065638
	Q.	Graywater	0	0.00	0.000000	0.000	0	0.00	0
	R.	Ice Machines	0	0.00	0.000000	0.000	0	0.00	0
III.	Tot	tals: Month; AF; Gallons; YTD	171	47563.94	3.037936	989914.484	901	214720.95	14.932938
									1997 -
								2015 YTD	Present
IV.	. Total Rebated: YTD; Program							214720.95	4625247.24
٧.	Estimated Water Savings in Acre-Feet Annually*							14.932938	468.99677

* Retrofit savings are estimated at 0.041748 AF/HET; 0.01 AF/UHET; 0.01 AF/ULF to HET; 0.003 AF/dishwasher, 0.0161 AF/residential washer; 0.116618 AF/commercial washer; 0.0082 AF/100 square feet of lawn removal.