ITEM: INFORMATIONAL ITEM/STAFF REPORTS

20. WATER CONSERVATION PROGRAM REPORT

Meeting Date: September 21, 2015 Budgeted: N/A

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

General Manager Line Item No.:

Prepared By: Michael Boles 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 **168** property transfers that occurred in August 2015 were entered into the database.

B. Certification

The District received **23** WCCs between August 1, 2015 and August 31, 2015. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

C. Verification

In August, **76** properties were certified to verify compliance with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **76** inspections certified, **65** (**86%**) were in compliance. **One** 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 August 2015 are estimated at **0.100** acre-feet annually (AFA). Water savings from retrofits that exceeded requirements (i.e., HETs to Ultra High Efficiency Toilets) is estimated at **0.220** AFA (22 toilets). Year-to-date estimated savings occurring as a result of toilet retrofits is **8.430** 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 **46** Water Permits in August 2015. **Four** 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 **46** Water Permits issued in August, **seven** were issued under this provision.

B. Permit Compliance

District staff completed **46** Water Permit final inspections during August 2015. **Nine** of the final inspections failed due to unpermitted fixtures. Of the **33** properties that were in compliance, **32** passed on the first visit. In addition, **four** pre-inspections were conducted in response to Water Permit applications received by the District.

C. Deed Restrictions

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 August, the District prepared 48 deed restrictions. Of the 46 Water Permits issued in August, 30 (65%) required deed restrictions. District staff provided Notary services for 65 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.

REBATE PROGRAM SUMMARY August-2015 2015 YTD Present										1997 -
A. Applications Received 168 1312 20057		REBATE PROGRAM SUMMARY			August-2015					Present
B. Applications Approved 126 1043 15754	I.									
C. Single Family Applications 149 1212 18047		A.	Applications Received		168					20057
D. Multi-Family Applications 14 75 1017		В.	Applications Approved	126					1043	15754
E. Non-Residential Applications 5 25 238		C.	Single Family Applications	149					1212	18047
Number of Rebate devices Paid		D.	Multi-Family Applications	14					75	1017
II. Type of Devices Rebated Gevices Paid AF Saved Quantity YTD Paid YTD Est AF		E.	Non-Residential Applications	5					25	238
II. Type of Devices Rebated Gevices Paid AF Saved Quantity YTD Paid YTD Est AF										
II. Type of Devices Rebated Devices Paid AF Saved Quantity YTD Paid YTD Est AF				Number						
A. High Efficiency Toilet (HET) 19 1872.99 0.793212 258468.923 187 27216.91 7.806876 B. Ultra Low Flush to HET 24 2349.98 0.240000 78204.240 387 22128.20 3.87 C. Ultra HET 3 448.00 0.030000 9775.530 72 9662.83 0.72 D. Toilet Flapper 0 0.00 0.000000 0.000 3 31.95 0 E. High Efficiency Dishwasher 18 2250.00 0.054000 17595.954 129 16125.00 0.387 F. High Efficiency Clothes Washer 59 29402.98 0.949900 309525.865 394 196526.86 6.3434 Instant-Access Hot Water 59 29402.98 0.949900 309525.865 394 196526.86 6.3434 Instant-Access Hot Water 59 29402.98 0.949900 0.0000 12 2366.99 0 H. On Demand Systems 1 100.00 0.000000 0.000 4 400.00 0 0 I. Zero Use Urinals 0 0.00 0.000000 0.000 1 300.00 0.02 J. High Efficiency Urinals 0 0.00 0.000000 0.000 0 0.00 0				of	Rebate	Estimated	Gallons	YTD		
B. Ultra Low Flush to HET 24 2349.98 0.240000 78204.240 387 22128.20 3.87 C. Ultra HET 3 448.00 0.030000 9775.530 72 9662.83 0.72 D. Toilet Flapper 0 0.00 0.000000 0.000 3 31.95 0 0.337 0.24 0.2	II.	Type	<u>e of Devices Rebated</u>	devices	Paid	AF	Saved	Quantity	YTD Paid	YTD Est AF
C. Ultra HET 3 448.00 0.030000 9775.530 72 9662.83 0.72 D. Toilet Flapper 0 0.000 0.0000000 0.0000 3 31.95 0 E. High Efficiency Dishwasher 18 2250.00 0.054000 17595.954 129 16125.00 0.387 F. High Efficiency Clothes Washer 59 29402.98 0.949900 309525.865 394 196526.86 6.3434 Instant-Access Hot Water		A.	High Efficiency Toilet (HET)	19	1872.99	0.793212	258468.923	187	27216.91	7.806876
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J. High Efficiency Urinals 0 0.00 0.000000 0.000 0 0.00 0		Н.	On Demand Systems		100.00	0.000000	0.000	4	400.00	
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Q. R. Ice Machines 0 0.00 0.000000 0.0000 0.0000 0 0.000 0 0 0.000 0 0 0.000 0 0 0.000		Ο.	Moisture Sensors	0	0.00	0.000000	0.000	0	0.00	0
R. Ice Machines 0 0.00 0.00000 0.000 0 0.000 0 0.00 0 0 0.00		Р.	Lawn Removal & Replacement	2	3281.00	0.269042	87667.605	16	22461.00	1.91338
III. Totals: Month; AF; Gallons; YTD 133 41448.70 2.336154 761238.117 1327 306951.36 21.100656		Q.	Graywater	0	0.00	0.000000	0.000	2	200.00	0
IV. Total Rebated: YTD; Program 1997 - 2015 YTD Present 306951.36 4717477.65		R.	Ice Machines	0	0.00	0.000000	0.000	0	0.00	0
IV. Total Rebated: YTD; Program 2015 YTD Present 306951.36 4717477.65	III.	Tot	als: Month; AF; Gallons; YTD	133	41448.70	2.336154	761238.117	1327	306951.36	21.100656
IV. Total Rebated: YTD; Program 2015 YTD Present 306951.36 4717477.65										1997 -
IV. Total Rebated: YTD; Program 306951.36 4717477.65									2015 YTD	
	IV.	Tota	al Rebated: YTD: Program							
		Estimated Water Savings in Acre-Feet Annually*								

^{*} 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.