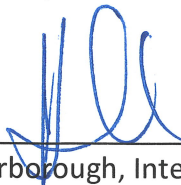


REPORT TO CITY COUNCIL

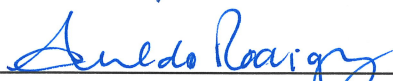
Approved by:

Council Meeting of: June 5, 2019



John Scarborough, Interim Public Works Director

Agenda Number: B-3



Arnoldo Rodriguez, City Manager

SUBJECT:

Water Conservation Report for April 22nd through May 19th

RECOMMENDATION:

Staff recommends that City Council review the attached report of water conservation activities and progress in reducing residential water consumption. This monthly report is for informational purposes only.

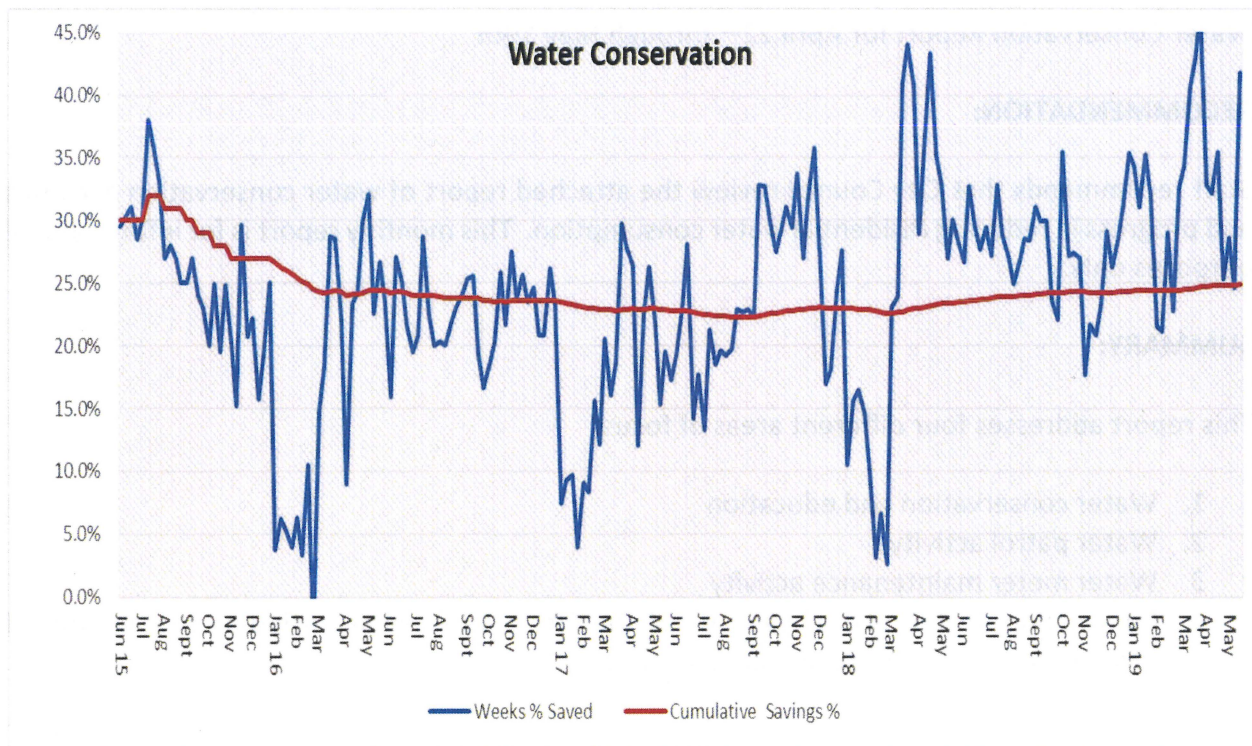
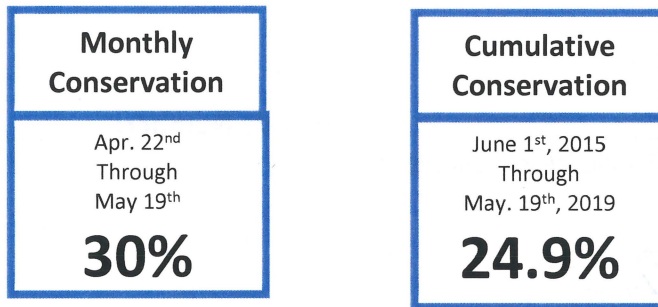
SUMMARY:

This report addresses four different areas of focus:

1. Water conservation and education
2. Water patrol activity
3. Water meter maintenance activity
4. Information on the overall capacity of the City's water wells, including the amount of production and reserve production capacity

DISCUSSION:

As illustrated in the following chart, the City's average monthly water conservation rate for the period of April 22nd through May 19th decreased slightly from 31.2 percent in 2018 to 30 percent. Below is the most current water conservation data.



Water Conservation Outreach:

As part of the Division’s local outreach and education program, water conservation and rebate information presentations were made at the following events:

<p style="text-align: center;">Conservation Outreach</p> <p style="text-align: center;">Facebook and Twitter Postings</p> <p style="text-align: center;">Reminder to check sprinkler systems and rebate program info</p> <p style="text-align: center;">May Utility Billing Newsletter</p> <p style="text-align: center;">Watering schedule, rebate program article and reminder to check sprinkler system</p> <p style="text-align: center;">Events</p> <p style="text-align: center;">James Monroe Elem. 4/25/19- 100 students Berenda Elem. – 4/29/19- 130 students Parkwood Elem. 4/30/19 -116 students Pershing Elem. 5/3/19 – 105 students Virginia Lee Rose Elem. 5/6/19 – 95 students Family Fun Festival – 5/18/19 -300 participants</p>

Water Conservation Activities:

To encourage water conservation, staff conducts extensive outreach to educate customers. While on occasion an infraction may be issued, the vast majority of contacts are in the form of warnings and notices informing customers of areas that may need to be addressed. The following table provides a summary of such contacts.

Enforcement			
Individual Contacts	216	1st offense (\$75)	38
Verbal Warnings	35	2nd offense (\$200)	2
Maintenance Notices	21	3rd or more offenses (\$500)	0

Water Meters:

In addition to the monthly reading of the manual read meters and the service interruptions due to delinquency, the water meter staff performed various repairs and/or meter programming at 43 properties. Customer concern investigations were conducted and resulted in the discovery of leaks at 3 properties, need for adjustments to irrigation systems at 2 properties and service checks and information at 2 additional properties. Courtesy leak notifications were sent to an additional 36 properties.

System Capacity:

The system has continued to produce adequate flows to meet our peak demand and maintain reserve fire flow capacity. This information is summarized in the Status Report on the following page.

FINANCIAL IMPACT:

The expenses for implementing and administering water conservation activities occur within the Water Fund and have no impact the General Fund.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:

The report is consistent with the Madera Vision Plan, specifically Strategy 434: Water Quality and Usage – Ensure continued water supplies to meet the demands of all Madeirans through innovative reclamation, conservation and education on water use.

ALTERNATIVES:

This is an informational report; no alternatives have been identified.

ATTACHMENTS:

1. Status Report March 18, 2019 through April 21, 2019 - Water Production and Reserve Fire Flow Capacity

**STATUS REPORT April 22nd to MAY 19TH, 2019
WATER PRODUCTION AND RESERVE FIRE FLOW CAPABILITY**

ATTACHMENT#1

Dates	Day	Peak Temp	MG Pumped	Peak Hour	Lowest Pressure*	Lowest Tank Storage **	Wells Available	Wells On During Peak Hours	Wells in Reserve During Peak Hours	Reserve GPM at Peak	Reserves Meets Fire flow for			
											Residential 1,500 GPM	Commercial 2,500 GPM	Industrial 3,500 GPM	Hospital 4,500 GPM
4/22/2019	Mon	81	6.971	8pm-9pm	43	780,000	16	8	8	10098	Yes	Yes	Yes	Yes
4/23/2019	Tue	89	8.307	9pm-10pm	38	780,000	16	11	5	6185	Yes	Yes	Yes	Yes
4/24/2019	Wed	93	8.717	9pm-10pm	38	680,000	16	10	6	7518	Yes	Yes	Yes	Yes
4/25/2019	Thu	96	8.297	9pm-10pm	40	820,000	16	10	6	7518	Yes	Yes	Yes	Yes
4/26/2019	Fri	95	7.774	7pm-8pm	43	680,000	16	8	8	9838	Yes	Yes	Yes	Yes
4/27/2019	Sat	89	9.352	9pm-10pm	44	780,000	16	8	8	9438	Yes	Yes	Yes	Yes
4/28/2019	Sun	88	9.631	9pm-10pm	42	780,000	16	11	5	6268	Yes	Yes	Yes	Yes
4/29/2019	Mon	80	5.805	7pm-8pm	43	780,000	16	7	9	11249	Yes	Yes	Yes	Yes
4/30/2019	Tue	74	9.034	8pm-9pm	40	780,000	16	10	6	7088	Yes	Yes	Yes	Yes
5/1/2019	Wed	77	9.038	8pm-9pm	40	780,000	16	10	6	7518	Yes	Yes	Yes	Yes
5/2/2019	Thu	82	8.713	8pm-9pm	42	780,000	16	10	6	7088	Yes	Yes	Yes	Yes
5/3/2019	Fri	86	8.139	9pm-10pm	42	820,000	16	8	8	9838	Yes	Yes	Yes	Yes
5/4/2019	Sat	88	9.422	10pm-11pm	39	820,000	16	10	6	7035	Yes	Yes	Yes	Yes
5/5/2019	Sun	80	10.010	10pm-11pm	42	820,000	16	10	6	7118	Yes	Yes	Yes	Yes
5/6/2019	Mon	77	5.950	6pm-7pm	45	780,000	16	7	9	11033	Yes	Yes	Yes	Yes
5/7/2019	Tue	79	9.560	9pm-10pm	40	780,000	16	9	7	8338	Yes	Yes	Yes	Yes
5/8/2019	Wed	83	9.576	9pm-10pm	39	780,000	16	8	8	8338	Yes	Yes	Yes	Yes
5/9/2019	Thu	82	9.193	10pm-11pm	42	780,000	16	9	7	7938	Yes	Yes	Yes	Yes
5/10/2019	Fri	74	8.519	10pm-11pm	43	780,000	16	8	8	9188	Yes	Yes	Yes	Yes
5/11/2019	Sat	86	9.977	10pm-11pm	39	780,000	16	9	7	7855	Yes	Yes	Yes	Yes
5/12/2019	Sun	90	10.488	10pm-11pm	35	780,000	16	10	6	6953	Yes	Yes	Yes	Yes
5/13/2019	Mon	88	6.164	6pm-7pm	44	780,000	16	6	10	12462	Yes	Yes	Yes	Yes
5/14/2019	Tue	85	9.872	8pm-9pm	40	780,000	16	9	7	7938	Yes	Yes	Yes	Yes
5/15/2019	Wed	75	8.722	10pm-11pm	42	820,000	16	7	9	10140	Yes	Yes	Yes	Yes
5/16/2019	Thu	67	7.058	7pm-8pm	43	780,000	16	6	10	11900	Yes	Yes	Yes	Yes
5/17/2019	Fri	68	6.562	8pm-9pm	44	780,000	16	6	10	12448	Yes	Yes	Yes	Yes
5/18/2019	Sat	68	7.278	8pm-9pm	42	780,000	16	6	10	11075	Yes	Yes	Yes	Yes
5/19/2019	Sun	62	7.393	10pm-11pm	42	780,000	16	7	9	10948	Yes	Yes	Yes	Yes

* Goal is to keep system above 30 psi., below 20 cause regulatory issue.

** Elevated tank has a 1,000,000 gallon maximum capacity.

19 **Total Wells**

2 **Wells Not Available**

#16 Being Retrofitted for Submersible Pump to Gain 500 gpm

#27 Redevelopment in process

17 **Number of Wells Available**

