

REPORT TO CITY COUNCIL

Approved by:

Council Meeting of: July 3, 2019

John Scarborough, Interim Public Works Director

Agenda Number: B-3

Arnaldo Rodriguez, City Manager

SUBJECT:

Water Conservation Report for May 20th through June 16th

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.

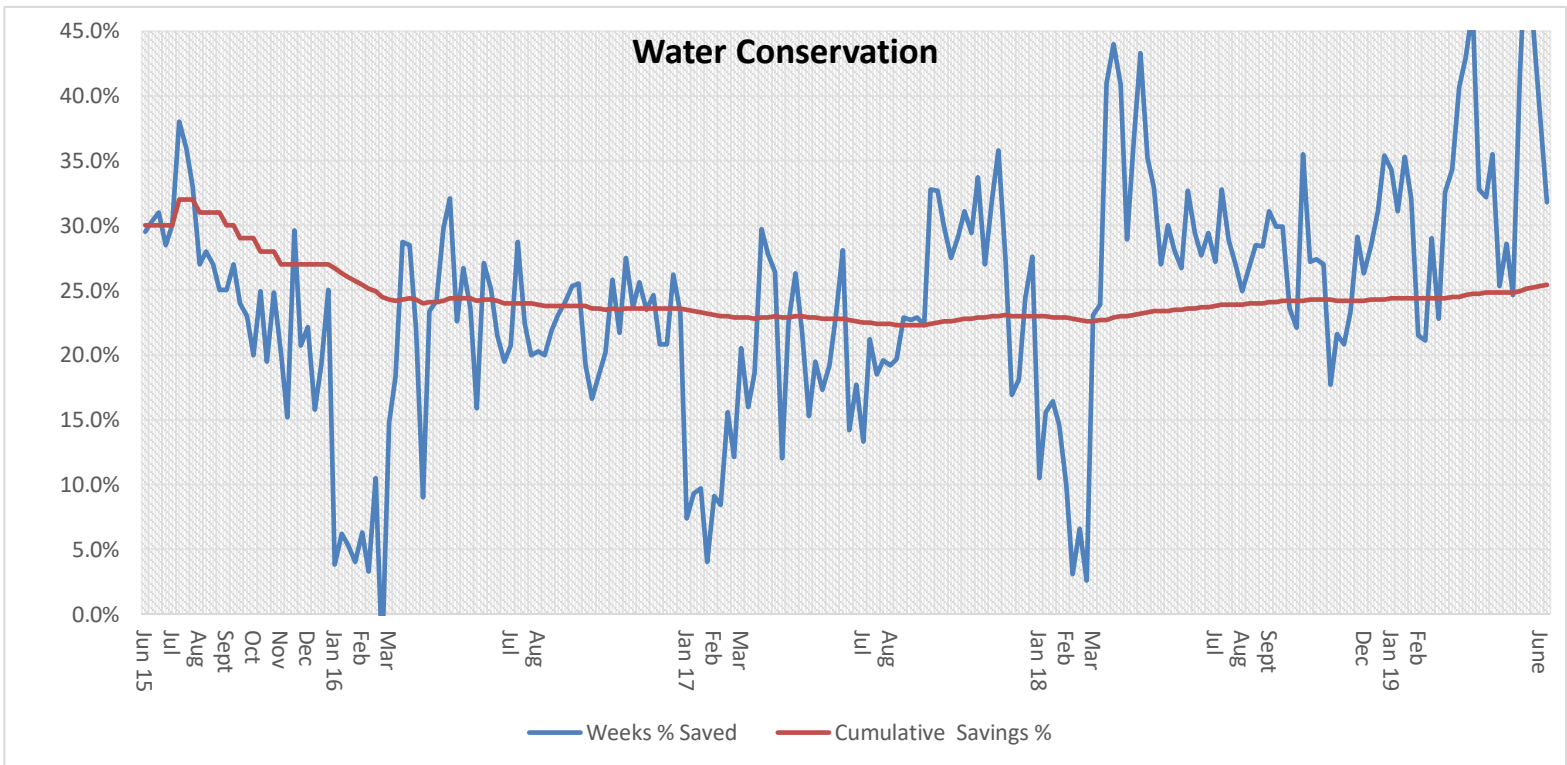
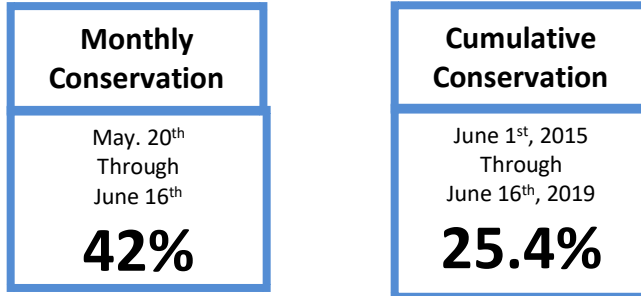
SUMMARY:

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 May 20th through June 16th shows a significant increase to from 29.4 percent in 2018 to 42% this year. 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 Outdoor watering tips</p> <p style="text-align: center;">June Utility Billing Newsletter Watering schedule, rebate program article and outdoor watering tips</p> <p style="text-align: center;">Events Lincoln Elem. 5/29/19- 120 students Business Extravaganza – 6/13/19 – 250 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	184	1st offense (\$75)	31
Verbal Warnings	17	2nd offense (\$200)	3
Maintenance Notices	25	3rd or more offenses (\$500)	1

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 4 properties. Customer concern investigations were conducted and resulted in the discovery of leaks at 10 properties, need for adjustments to irrigation systems at 7 properties. Courtesy leak notifications were sent to an additional 50 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 May 20, 2019 through June 16, 2019 - Water Production and Reserve Fire Flow Capacity

STATUS REPORT May 20th to JUNE 16TH, 2019
WATER PRODUCTION AND RESERVE FIRE FLOW CAPABILITY

ATTACHMNET #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
5/20/2019	Mon	68	5.002	7pm-8pm	45	780,000	16	6	10	11949	Yes	Yes	Yes	Yes
5/21/2019	Tue	67	7.021	9pm-10pm	44	780,000	16	7	9	10948	Yes	Yes	Yes	Yes
5/22/2019	Wed	67	6.728	10pm-11pm	43	780,000	16	7	9	10688	Yes	Yes	Yes	Yes
5/23/2019	Thu	73	6.049	7pm-8pm	43	780,000	16	6	10	12448	Yes	Yes	Yes	Yes
5/24/2019	Fri	77	6.038	9pm-10pm	41	780,000	16	6	10	12448	Yes	Yes	Yes	Yes
5/25/2019	Sat	83	6.681	10pm-11pm	44	780,000	16	7	9	11115	Yes	Yes	Yes	Yes
5/26/2019	Sun	58	6.351	10pm-11pm	43	680,000	16	7	9	10817	Yes	Yes	Yes	Yes
5/27/2019	Mon	65	4.923	6pm-7pm	43	680,000	16	6	10	12448	Yes	Yes	Yes	Yes
5/28/2019	Tue	73	6.670	8pm-9pm	42	680,000	16	7	9	10688	Yes	Yes	Yes	Yes
5/29/2019	Wed	85	7.478	10pm-11pm	41	780,000	16	8	8	9838	Yes	Yes	Yes	Yes
5/30/2019	Thu	89	7.605	10pm-11pm	42	820,000	16	9	7	8505	Yes	Yes	Yes	Yes
5/31/2019	Fri	89	7.428	9pm-10pm	41	820,000	16	8	8	9838	Yes	Yes	Yes	Yes
6/1/2019	Sat	93	8.836	10pm-11pm	39	780,000	16	8	8	9355	Yes	Yes	Yes	Yes
6/2/2019	Sun	91	9.693	10pm-11pm	41	780,000	16	8	8	9355	Yes	Yes	Yes	Yes
6/3/2019	Mon	92	6.119	9pm-10pm	42	820,000	16	7	9	10688	Yes	Yes	Yes	Yes
6/4/2019	Tue	96	9.455	9pm-10pm	34	820,000	16	10	6	6254	Yes	Yes	Yes	Yes
6/5/2019	Wed	97	9.974	10pm-11pm	36	820,000	16	10	6	6254	Yes	Yes	Yes	Yes
6/6/2019	Thu	92	9.006	10pm-11pm	41	780,000	16	10	6	6605	Yes	Yes	Yes	Yes
6/7/2019	Fri	82	8.031	10pm-11pm	43	780,000	16	8	8	9800	Yes	Yes	Yes	Yes
6/8/2019	Sat	86	10.004	10pm-11pm	41	780,000	16	10	6	7088	Yes	Yes	Yes	Yes
6/9/2019	Sun	96	10.790	10pm-11pm	35	780,000	16	11	5	5755	Yes	Yes	Yes	Yes
6/10/2019	Mon	103	6.637	9pm-10pm	43	780,000	16	8	8	10098	Yes	Yes	Yes	Yes
6/11/2019	Tue	103	10.571	9pm-10pm	35	780,000	16	11	5	5755	Yes	Yes	Yes	Yes
6/12/2019	Wed	106	10.895	9pm-10pm	37	780,000	16	12	4	4853	Yes	Yes	Yes	Yes
6/13/2019	Thu	99	9.941	10pm-11pm	37	780,000	16	10	6	7088	Yes	Yes	Yes	Yes
6/14/2019	Fri	93	9.526	9pm-10pm	38	780,000	16	10	6	7088	Yes	Yes	Yes	Yes
6/15/2019	Sat	93	10.888	10pm-11pm	39	820,000	16	11	5	5755	Yes	Yes	Yes	Yes
6/16/2019	Sun	92	11.246	10pm-11pm	34	780,000	16	12	4	4801	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**

