



CITY OF BEVERLY HILLS
PUBLIC WORKS SERVICES DEPARTMENT
MEMORANDUM

TO: PUBLIC WORKS COMMISSION

FROM: Donielle Kahikina, Deputy Director of Public Works Services, Operational Support 
Caitlin Sims, Senior Management Analyst CS

DATE: August 11, 2015

SUBJECT: OUTSTANDING ACTION ITEMS FROM PREVIOUS MEETING

ATTACHMENTS:

1. Outstanding Action Items Spreadsheet
2. Monthly Report to State Water Resources Control Board
3. Monthly Consumption Report
4. Monthly Report – Water Conservation Program (Education & Inspections)
5. Metropolitan Water District – Water Device Rebate Program

An updated version of the document titled *Outstanding Action Items From Previous Meetings* is attached for your review and discussion. Items recognized as completed and reviewed by the Commission at its previous meeting are listed as "Closed" in the **Projected Completion** column. Once an item is deemed closed it is removed from and no longer shown on the list. New items/issues raised at the most recent Public Works Commission meeting will be added to the end of the list. Any item on the list will remain on the list until closed. Staff updates and/or changes are shown in **bold**.

| Item No. | Meeting Date | Action Item Description | Status | Projected Completion |
|----------|--------------------|--|---|----------------------|
| 1 | November 8, 2012 | Add use of social media and community outreach to next month's agenda | At the direction of the Chair, this item is retained on this sheet in case any Commissioner had additional ideas. | Ongoing |
| 2 | July 11, 2013 | The Commission should be supplied a copy of any future citation or penalty received by the department. Any information that will be provided to the public regarding department business should be provided to the Commission ahead of time, preferably, in time for discussion at a meeting | Ongoing | Ongoing |
| 3 | September 12, 2013 | Provide the quarterly water quality reports to the Commission. | Ongoing | Ongoing |
| 4 | October 10, 2013 | Prepare a DriveCam budgetary report at the end of the trial period, and ask about the trial duration of four months vs. six months. | Ongoing | Ongoing |
| 5 | November 13, 2013 | Research water reuse and stormwater to see if other cities have done such projects are available for site visits. | Staff will provide periodic updates | Ongoing |
| 6 | June 12, 2014 | Provide update on the Foothill Development and the Robertson Well | Staff will provide period reports on this issue | Ongoing |
| 7 | October 9, 2014 | Internal (e.g. TaKaDu) Integrated Water Network Management System | Project considered in Water Enterprise Plan | Ongoing |
| 8 | October 9, 2014 | Provide copy of monthly submittal to State Water Resources Control Board | Staff to provide copies of the monthly submittal in response to Emergency Regulations regarding the drought | Ongoing |

Beverly Hills Water Consumption Update

State Urban Water Supplier Report

| | |
|------------------------------------|-----------------------------|
| Reporter | Caitlin Sims |
| Urban Water Supplier/Number | Beverly Hills City of (640) |
| Reporting Month | 0615 |
| Stage/Mandatory | Stage D Yes |
| Days Outside Irrigation | 2 |
| Total Potable Water Production | 841.7 AF |
| 2013 Same Month Production | 1077.4 AF |
| CII Water | 185.2 AF |
| Commercial Agricultural Water | 0 AF |
| Commercial Agricultural Water 2013 | 0 AF |
| Recycled Water | AF |
| Non-revenue Water | 58.9 AF |
| Residential Use Percentage | 71 % |
| Population | 42,157 |
| Estimated R-GPCD | 154.0 |
| Number Complaints | 55 |
| Number Follow-ups | 135 |
| Number Warnings | 80 |
| Number Penalties | 0 |

Actions Taken

Reduced allowed outdoor irrigation days, Restricted allowed outdoor irrigation times, Instituted new prohibitions on specific water uses, Instituted stricter prohibitions on specific water uses, Instituted use of behavioral modification programs, Instituted use of Smart Meters for data tracking and enforcement, Increased conservation program budget, Increased conservation program scope

Implementation Comments

City Provided Customer-Based Web Portal Providing Water Consumption Information to Accountholders; System Water Audits and Leak Detection Program; Prohibit Washing Down of Driveways and Sidewalks; Prohibit Excess Watering/Runoff; Use Shut-off Nozzle when Washing Vehicles; Prohibit Water Feature unless Water is Recirculated; Smart Infrastructure-AMI system; Partnership w/MWD for In/Outdoor Rebate Programs; Landscape Irrigation Ordinance; Public Outreach and Education

Beverly Hills Water Consumption Update

Qualification

Monthly production is calculated from local production and Metropolitan Water District (MWD) purchases. The percentage of residential use is calculated using the volume of water consumed by residential accounts compared to monthly production. Commercial, industrial and institutional use is calculated as a percentage of Monthly production; that percentage is determined from the formula $100 - [\text{Percent Residential Use}] - [\text{Percent Non-Revenue Water}]$.

Beverly Hills Water Consumption Update

Total Water Consumption

Calendar Year - 2015 (through July 29)

| Use Type | Total Usage | No. of Users |
|---------------------------|-------------|--------------|
| R-SINGLE | 1,305,284 | 6,789 |
| R-DOUBLE | 44,949 | 453 |
| RES MULTI | 558,981 | 1,532 |
| COMMERCIAL/ INDUSTRIAL | 585,739 | 1,360 |
| MUNICIPAL | 82,316 | 259 |
| FIRE | 4,617 | 762 |
| | 2,581,886 | 11,155 |

*Unit of Measure: 100cf

Calendar Year - 2014

| Use Type | Total Usage | No. of Users |
|---------------------------|-------------|--------------|
| R-SINGLE | 2,624,425 | 6,657 |
| R-DOUBLE | 86,364 | 573 |
| RES MULTI | 905,650 | 1,338 |
| COMMERCIAL/ INDUSTRIAL | 939,182 | 1,235 |
| MUNICIPAL | 202,333 | 213 |
| FIRE | 7,138 | 671 |
| | 4,765,092 | 10,687 |

*Unit of Measure: 100cf

Calendar Year - 2013

| Use Type | Total Usage | No. of Users |
|---------------------------|-------------|--------------|
| R-SINGLE | 2,593,726 | 6,652 |
| R-DOUBLE | 89,499 | 369 |
| RESMULTI | 1,013,470 | 1,541 |
| COMMERCIAL/ INDUSTRIAL | 971,088 | 1,230 |
| MUNICIPAL | 199,240 | 213 |
| FIRE | 3,445 | 667 |
| | 4,870,468 | 10,672 |

*Unit of Measure: 100cf

Beverly Hills Water Consumption Update

Monthly Water Consumption

| Date | Consumption (Acre Feet) | Percent Reduced | Residential Gallons Per Day Per Capita |
|---------------|------------------------------------|----------------------------|---|
| Jan-13 | 862.2 | | 161.2 |
| Feb-13 | 762.9 | | 158.0 |
| Mar-13 | 932.4 | | 174.4 |
| Apr-13 | 969.3 | | 187.3 |
| May-13 | 1047.3 | | 185.4 |
| Jun-13 | 1077.4 | | 208.2 |
| Jul-13 | 1185.5 | | 221.7 |
| Aug-13 | 1184.4 | | 221.5 |
| Sep-13 | 1156.0 | | 223.4 |
| Oct-13 | 1101.5 | | 206.0 |
| Nov-13 | 939.2 | | 181.5 |
| Dec-13 | 888.6 | | 166.2 |
| Jan-14 | 1010.1 | -17.65% | 188.9 |
| Feb-14 | 794.9 | 3.53% | 164.6 |
| Mar-14 | 850.8 | 5.20% | 159.1 |
| Apr-14 | 987.5 | -15.19% | 190.8 |
| May-14 | 1183.1 | -16.76% | 209.4 |
| Jun-14 | 1112.7 | -0.24% | 203.5 |
| Jul-14 | 1210.6 | -5.06% | 214.3 |
| Aug-14 | 1169.6 | 3.32% | 207.1 |
| Sep-14 | 1121.0 | 1.54% | 205.1 |
| Oct-14 | 1085.2 | -10.25% | 192.1 |
| Nov-14 | 910.5 | -2.08% | 166.6 |
| Dec-14 | 687.2 | 16.41% | 121.6 |
| Jan-15 | 806.0 | 6.52% | 142.7 |
| Feb-15 | 782.0 | -2.50% | 153.3 |
| Mar-15 | 895.9 | 3.91% | 158.6 |
| Apr-15 | 920.8 | 5.00% | 168.4 |
| May-15 | 869.6 | 16.97% | 153.9 |
| Jun-15 | 841.7 | 21.88% | 154.0 |



CITY OF BEVERLY HILLS
PUBLIC WORKS SERVICES DEPARTMENT
MEMORANDUM

TO: PUBLIC WORKS COMMISSION

FROM: Josette Descalzo, Environmental Compliance & Sustainability Manager JD

DATE: August 11, 2015

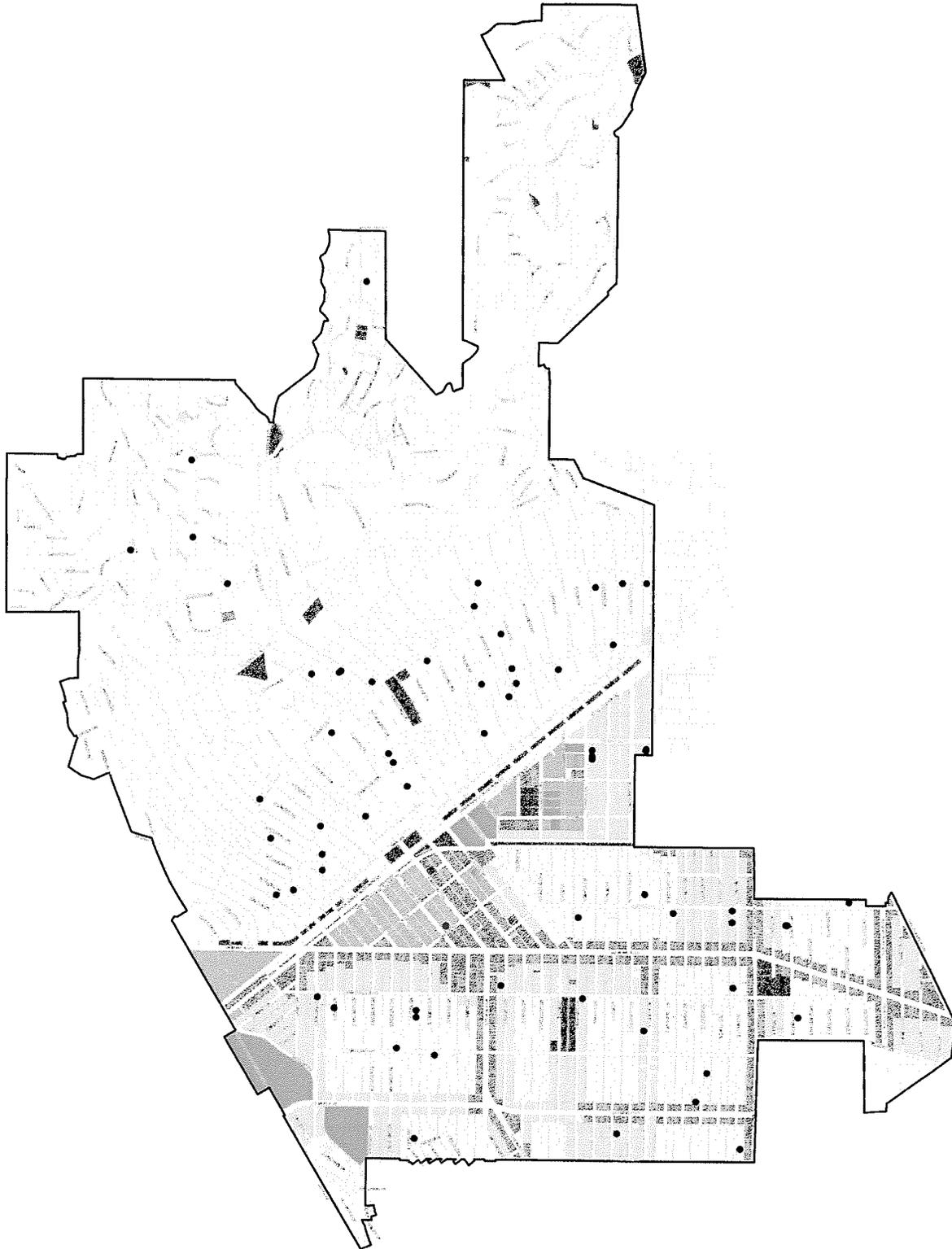
SUBJECT: Monthly Report – Water Conservation Program (Education & Inspections)

ATTACHMENTS: 1. Map

Attached is the monthly report (map) of watering warnings handed out by City inspectors for the month of July. There were 66 warnings issued until July 29.

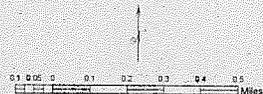


JULY 2015 WATER ENFORCEMENT MAP



● WARNINGS

- APARTMENT
- COMMERCIAL
- MIXED USE
- MULTI FAMILY DWELLING
- PUBLIC
- SINGLE FAMILY DWELLING



THIS MAP IS FOR INFORMATIONAL PURPOSES. THE CITY OF BEVERLY HILLS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR DATA FURNISHED HEREON.

METROPOLITAN WATER DISTRICT - Beverly Hills

Water Device Rebate Program - July 2015

| RESIDENTIAL | Jan-14 | Feb-14 | Mar-14 | Apr-14 | May-14 | Jun-14 | Jul-14 | Aug-14 | Sep-14 | Oct-14 | Nov-14 | Dec-14 | Jan-15 | Feb-15 | Mar-15 | Apr-15 | May-15 | Jun-15 | Jul-15 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| High Energy Clothes Washer - \$85 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 2 | 5 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 4* |
| High Efficiency Toilets - \$100 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | 0 | 4 | 5 | 3 | 6 | 0 | 0 | 0 | 0 | 9* |
| Weather based irrigation systems - \$80 per station - less than 1 acre, \$35 per station - more than 1 acre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain Barrels \$75 per barrel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rotating Nozzles - \$4 minimum of qty 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1* |
| Turf Removal - \$1.75 for the 1st. 2500 sq. ft | N/A | 30** |

*Note: Received an authorization to proceed but have not sent in documentation.

** Note: Turf rebate applications received; pending review at this time.

| COMMERCIAL | Jan-14 | Feb-14 | Mar-14 | Apr-14 | May-14 | Jun-14 | Jul-14 | Aug-14 | Sep-14 | Oct-14 | Nov-14 | Dec-14 | Jan-15 | Feb-15 | Mar-15 | Apr-15 | May-15 | Jun-15 | Jul-15 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| Ultra Low and Zero Water Urinals - \$200 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High Efficiency Toilets - \$100 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4* |
| High Efficiency Toilets 4 Liters or Less - \$145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plumbing Flow Control Valves - \$5/Valve minimum 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rotating Nozzles for Pops - \$4/Nozzles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Large Rotary Nozzles - \$13/set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation Controllers \$35/station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* Note: Received an authorization to proceed but have not sent in documentation.