

CITY OF  
**HAYWARD**  
HEART OF THE BAY

**Rainwater Catchment and  
Graywater Recycling**

**March 23, 2015  
Council Sustainability Committee Meeting**



# Drought

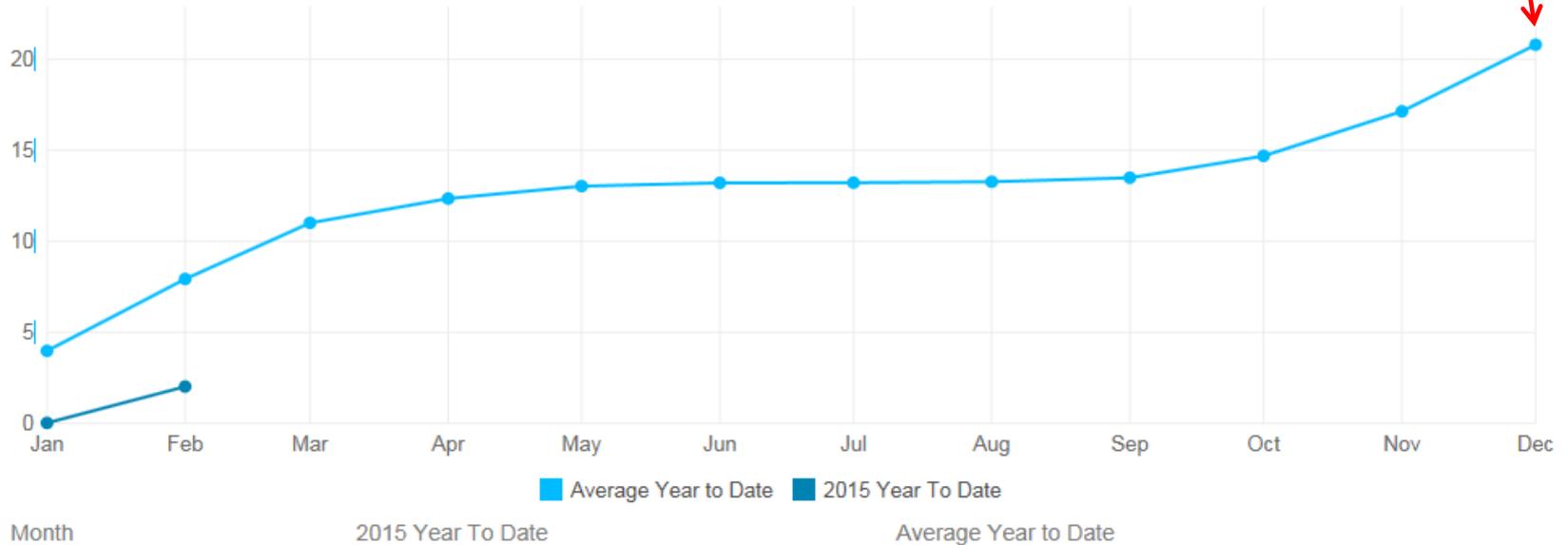
## Monthly Rainfall for Hayward (30-year average)

Average By Month

This Year

2014 To Date

See how total rainfall so far this year compares to average.



# Policy Context (General Plan)

## Natural Resources Element

Policy 6.10: Water Recycling

Policy 6.12: Dual Plumbing Systems

Policy 6.13: Water Recycling Program Advocacy

## Public Facilities and Services Element

Policy 5.9: Rainwater Harvesting

## Public Facilities and Services Element, Implementation

Program 6: Rainwater Harvesting and Graywater Systems

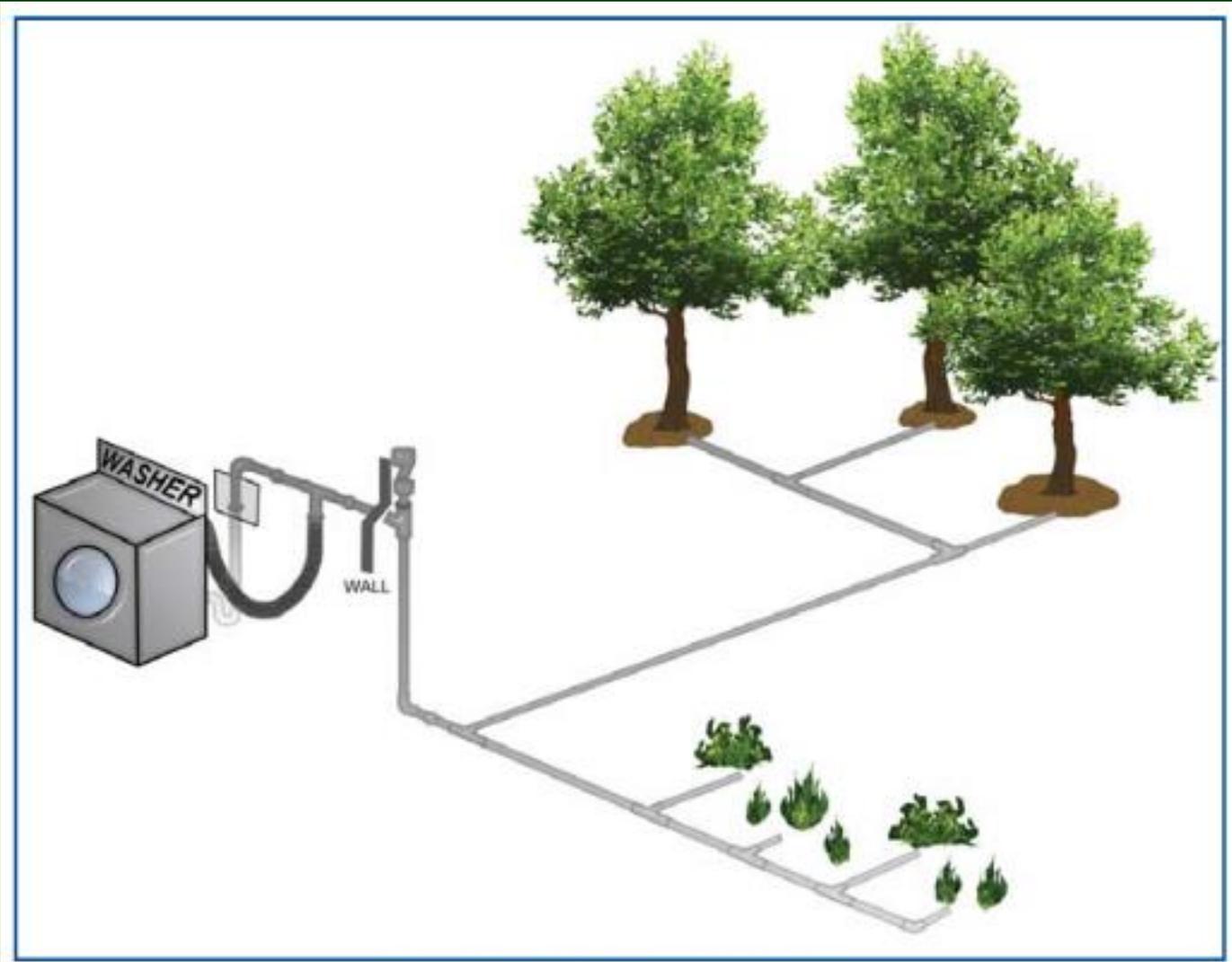


# Graywater Recycling (2013 CA Plumbing Code)

- Clothes Washer System
  - for single-family homes; no permit required
- Simple System
  - $\leq 250$  gallons per day; requires a permit
- Complex System
  - $> 250$  gallons; requires a permit



# Graywater Recycling



Example Clothes Washer System



# Rainwater Catchment



Source: University of Rhode Island (<http://web.uri.edu/riss/cartoon-rain-barrel/>)

# Rainwater Catchment



**First flush and downspout diverter installation**

Courtesy of The City of Oakland



**Daisy chained system of 205-gallon rain barrels**

Courtesy of The City of Oakland



# Rainwater Catchment

## Rain Barrel Rebate Program



Rebates of up to \$100 are now available for rain barrels!

In partnership with the San Mateo Countywide Water Pollution Prevention Program (a program of the City/County Association of Governments of San Mateo County), BAWSCA and participating member agencies are offering rebates of up to \$100 per rain barrel for the purchase and installation of qualifying rain barrels.

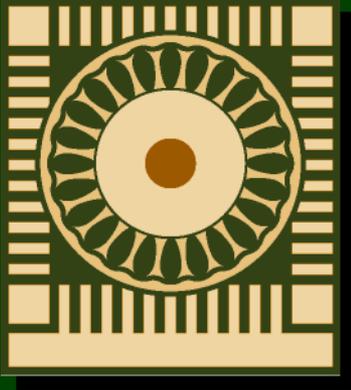
- [Rain Barrel Rebate Application](#)
- [Rain Barrel Rebate Program Terms and Conditions](#)
- [Installation and Maintenance Guidelines](#)
- [Use Guidelines and Health Information](#)
- [Mosquito Prevention Guidelines- San Mateo County](#)
- [Mosquito Prevention Guidelines- Alameda County](#)
- [Participating Water Agencies and Rebate Amounts](#)

### What are rain barrels?

Rain barrels are used to collect rainwater from hard surfaces such as roofs that allow you to supplement your water supply with a sustainable method of capturing rainfall. When you install a rain barrel at your home you are reducing the demand on the potable water system to irrigate your garden. Rainwater that is collected and sent into the public storm water system, which



*Rain Barrel installed at a Redwood City residence. Photo courtesy of Marty Laporte.*



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