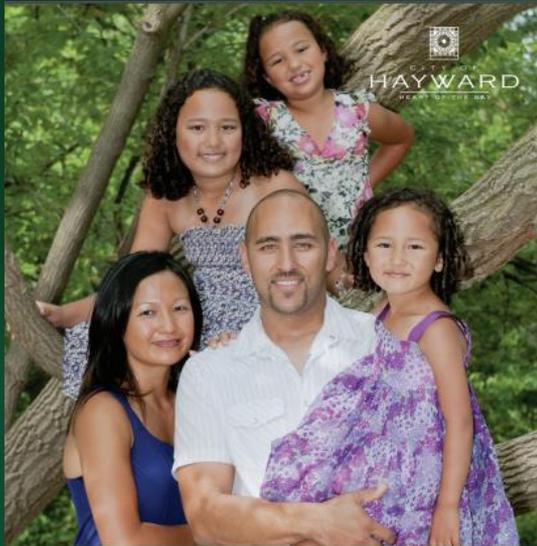




Solid Waste Franchise Agreement Annual Report

UTILITIES & ENVIRONMENTAL SERVICES

Updated Brochures for Single-Family, Multi-Family, and Businesses



**CITY OF HAYWARD
SINGLE-FAMILY GUIDE
TO RECYCLING SERVICES**



Please place carts and all other items on the curb, not in the street to avoid traffic hazards.



**MULTI-FAMILY GUIDE TO
RECYCLING SERVICES**

CITY OF HAYWARD



**GUÍA MULTI-FAMILIA PARA
SERVICIOS DE RECICLAJE**

**BUSINESS GUIDE TO
RECYCLING SERVICES**

GUÍA PARA SERVICIOS DE
RECICLAJE COMERCIAL



CITY OF HAYWARD

Diversion Rates: 2000-2014



- Compliance with AB939
- Why CalRecycle 76 % → 72% ?
- Changes to Special Waste documentation requirements

| Year | Rate |
|------|------|
| 2000 | 52% |
| 2005 | 62% |
| 2006 | 65% |
| 2007 | 56% |
| 2008 | 63% |
| 2009 | 68% |
| 2010 | 67% |
| 2011 | 71% |
| 2012 | 72% |
| 2013 | 74% |
| 2014 | 76% |

Franchise Recovery Rates (FRR) required per the Franchise Agreement between the City and Waste Management of Alameda County (WMAC)



| Timeframe | Required Franchise Recovery Rate |
|------------------------------|---|
| Calendar Year (2015) | 46% |
| Calendar Year (2016) | 50% |
| Calendar Year (2017) | 54% |
| Rate Period 4 (2018) | 58% |
| Rate Period 5 (2019) | 62% |
| Rate Period 6 (2020) | 66% |
| Rate Period 7 (2021) | 70% |
| Rate Period 8 (2022) | 74% |
| Rate Period 9 (2023) | 78% |
| Rate Period 10 (2024) | 80% |

Mandatory Recycling Ordinance



| Collection Requirement | Implementation Date | Enforcement Date |
|--|----------------------------|-------------------------|
| Phase 1: | | |
| Businesses (>4 cubic yards): Recycling | July 1, 2012 | January 1, 2013 |
| Multi-Family: Recycling | July 1, 2012 | January 1, 2013 |
| Phase 2: | | |
| Business : Organics | July 1, 2015 | January 1, 2016 |
| Multi-family: Organics | July 1, 2015 | January 1, 2016 |
| Business: Recycling | July 1, 2016 | January 1, 2017 |

Mandatory Recycling Ordinance: Summary of Participation



| Collection of Recyclables: Large Businesses | Accounts | Percent |
|---|-------------|------------|
| Total | 1235 | |
| Subscribed to Recycling | 761 | 62% |

| Collection of Recyclables: Small Businesses | Accounts | Percent |
|---|-------------|------------|
| Total | 1855 | |
| Subscribed to Recycling | 1263 | 68% |

| Collection of Organics: Businesses | Accounts | Percent |
|---|------------|------------|
| Total | 612 | |
| Currently subscribing to service | 339 | 55% |

| Collection of Organics: Multi-Family Properties | Accounts | Percent |
|---|------------|------------|
| Total | 453 | |
| Currently subscribing to service | 259 | 57% |

Additional Services and Updates



- ▶ Additional bulky pickup for single-family properties (2 annual pickups now available)
- ▶ New bulky service for multi-family properties (4 cubic yards per unit)
- ▶ Removal of abandoned trash
- ▶ Continued servicing of public litter containers
- ▶ Changes to cart placement municipal code to limit time



Questions & Discussion





Municipal Regional Stormwater Permit

UTILITIES & ENVIRONMENTAL SERVICES

Elisa Wilfong
Water Pollution Control Administrator

March 14, 2016

Stormwater Regulatory History



1948

- Federal Water Pollution Act Adopted
- (Established funding for Water Pollution Control Facilities)

1972

- Federal Clean Water Act Adopted
- Expanded control of all 'point-source' discharges and wastewater standards for industry
- Established NPDES permit program

1987

- Clean Water Act Amended to control stormwater runoff or 'non-point source' discharges
- Expanded NPDES permit program to include permits for stormwater runoff for municipalities

2009

- Adoption of the first Municipal Regional Permit for the S.F. Bay Area
- The MRP significantly increased the requirements for stormwater programs

2015

- Adoption of the Municipal Regional Permit 2.0 (renewal of the first MRP)
- The new MRP 2.0 increased the requirements with specific pollutant numerical reduction goals

MRP 2.0



- ▶ Five-year permit
- ▶ Regulates stormwater discharges in Alameda, Contra Costa, Santa Clara, San Mateo counties as well as the cities of Fairfield, Suisun, and Vallejo and the Vallejo Sanitation and Flood Control District
- ▶ Prescribes best management practices (BMPs) that each municipality must implement to comply with stormwater pollution prevention requirements

Municipal Regional Permit (MRP) Provision Changes with 2015 MRP 2.0 Adoption



- ▶ C.2 Municipal Operations
- ▶ C.3 New Development and Redevelopment
- ▶ C.4 Industrial and Commercial Site Controls
- ▶ C.5 Illicit Discharge Detection and Elimination
- ▶ C.6 Construction Site Control
- ▶ C.7 Public Information and Outreach
- ▶ C.8 Water Quality Monitoring
- ▶ C.9 Pesticides Toxicity Control
- ▶ C.10 Trash Load Reduction
- ▶ C.11 Mercury Controls
- ▶ C.12 Polychlorinated Biphenyls (PCBs) Controls
- ▶ C.13 Copper Controls
- ▶ C.14 ~~Polybrominated Diphenyl Ethers (PBDE), Legacy Pesticides and~~ **Selenium Bacteria Controls (applicable to the City of Pacifica and San Mateo County only)**
- ▶ C.15 Exempted and Conditionally Exempted Discharges

Significant Changes with the MRP 2.0



- ▶ Green Infrastructure requirements
- ▶ Interim goals for trash reduction, trash monitoring and prescribed trash assessment methodology
- ▶ Load reductions for Mercury and PCBs as well as implementation plan requirements

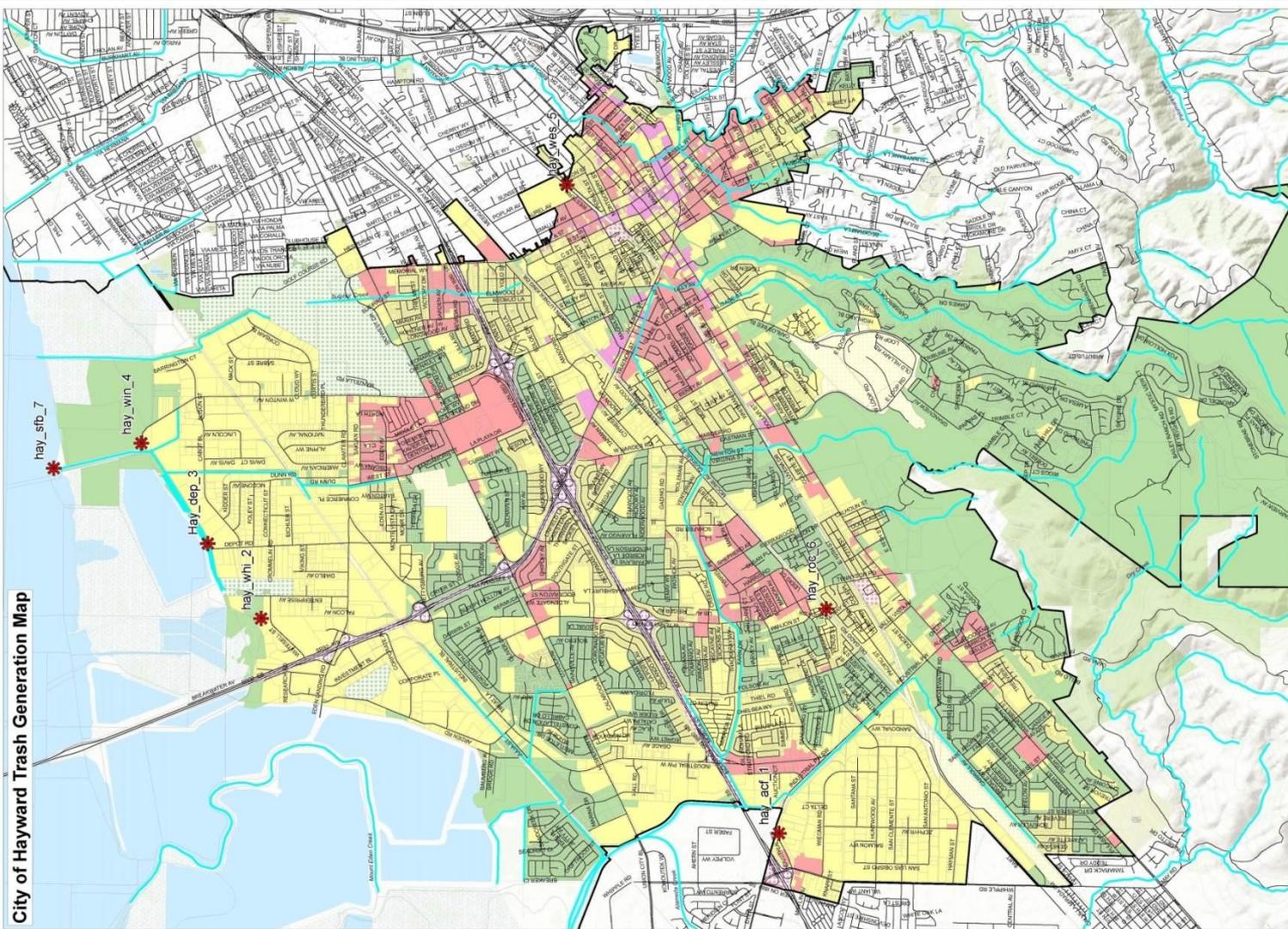
Trash Reduction Requirements



- ▶ Progress goal of 60% by July 1, 2016 (or explanation by 60% was not met)
- ▶ Revise the trash generation baseline map by September 2016
- ▶ Interim mandate to reduce trash by 80% by 2019
- ▶ Develop receiving water monitoring to sample and test for trash by July 1, 2020



Current Trash Generation Map



City of Hayward Trash Generation Map

Data Sources:
 Roads: Alameda County
 Background: ESRI World Topographic Map
 Map Created By:
 ECA, Inc.
 December 18th, 2013

Legend

Trash Generation Category

- Low
- Medium
- High
- Very High

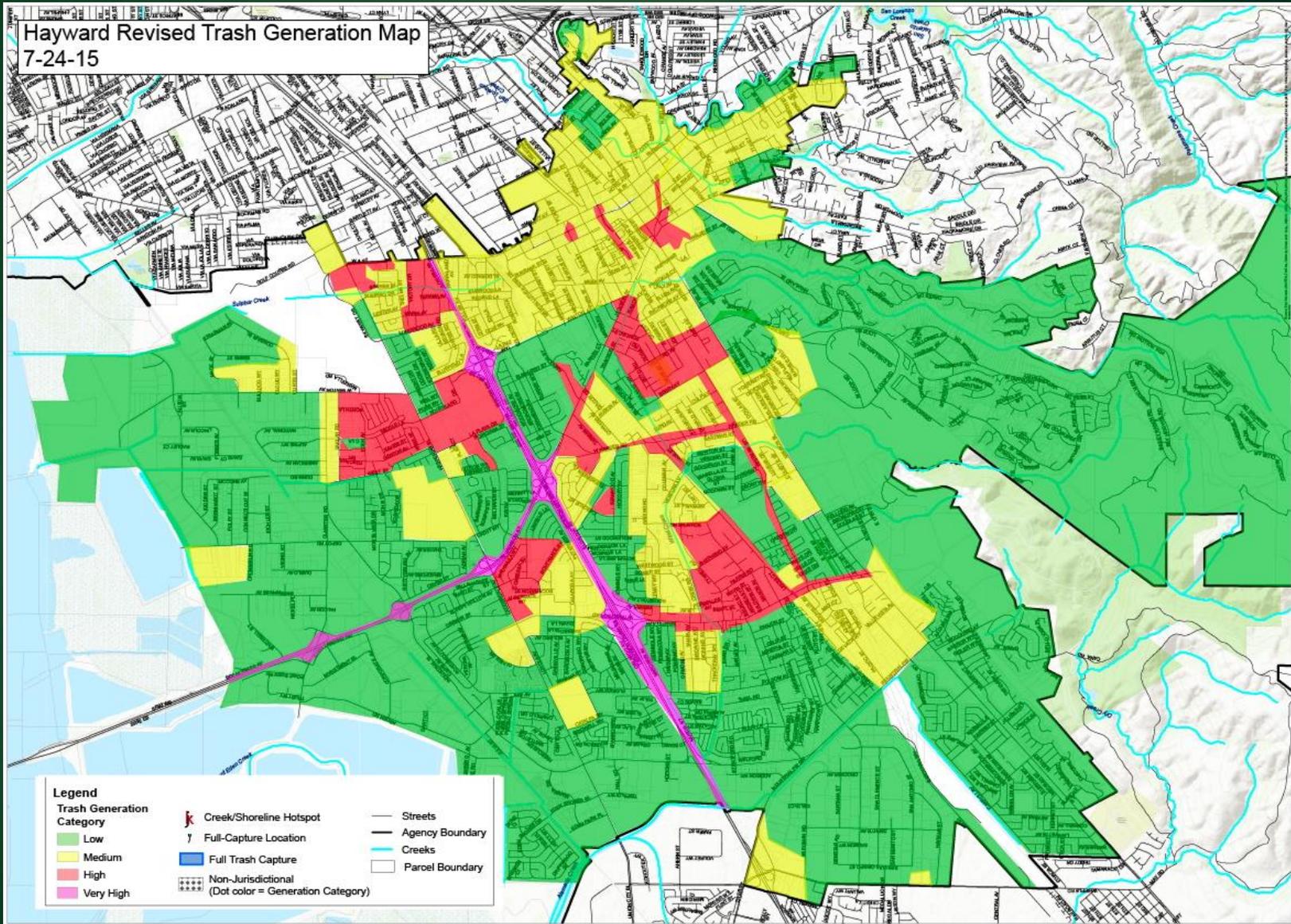
Hotspot

- Creek/Channel Hotspot
- Non-Jurisdictional Hotspot

Boundary

- Agency Boundary
- Parcel Boundary
- Streets
- Creeks

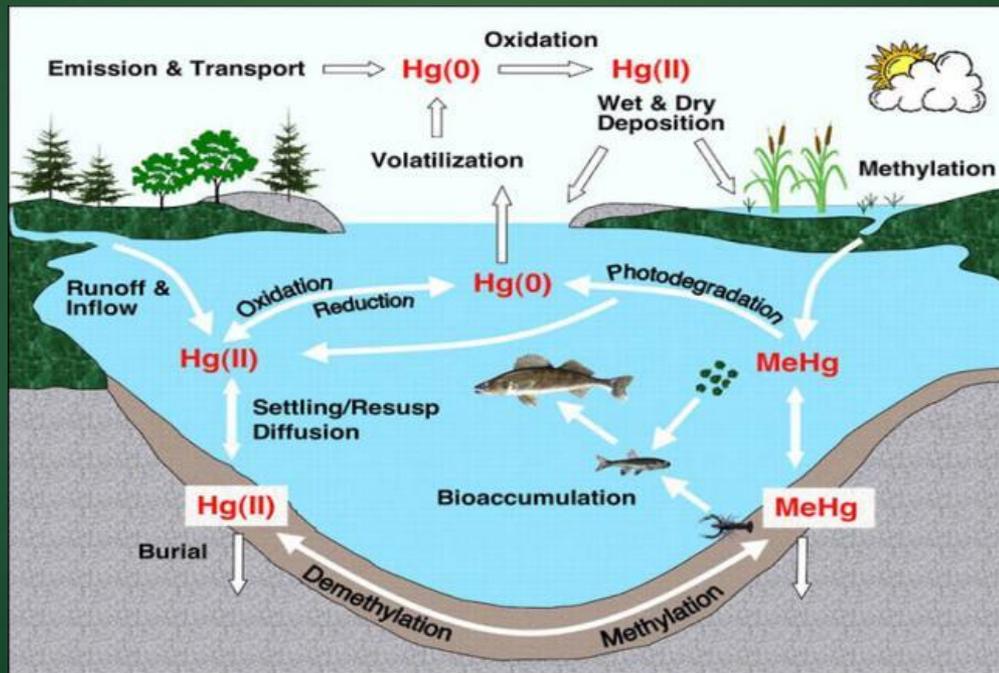
Revised Trash Generation Map



Mercury Reduction Requirements



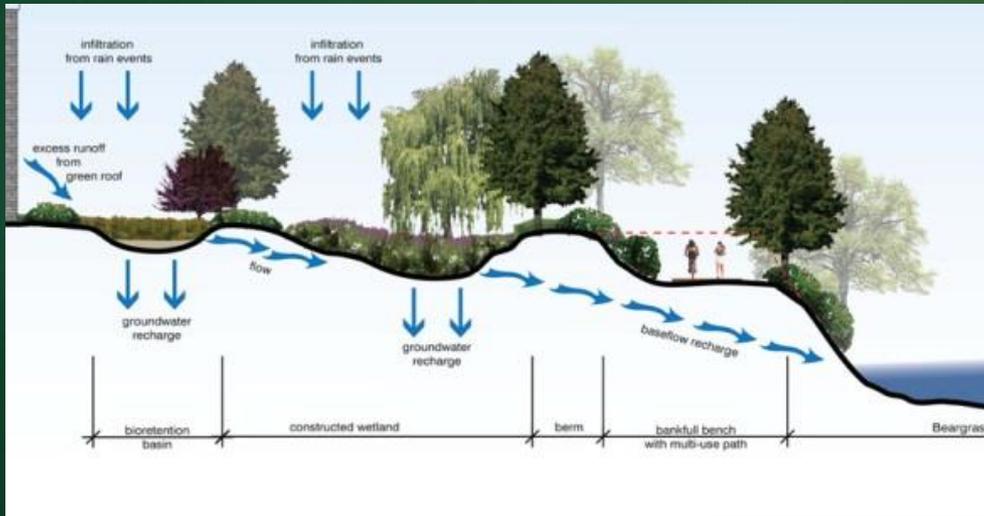
- ▶ Reduce mercury to the Bay by 48 grams per year by 2020
- ▶ Develop a mercury implementation plan by September 2020



PCB Reduction Requirements



- ▶ Reduce PCBs by 3 kilograms per year
- ▶ Develop management areas for PCBs control measures
- ▶ Assess PCBs load reduced



PCB Reduction Requirements Cont.



- ▶ Sample and test caulk and other sealants
- ▶ Manage materials during demolition of buildings
- ▶ Develop a implementation plan
- ▶ Sample and test for PCBs and conduct outreach



MRP 2.0 Tasks and Due Dates



| Date | Task |
|----------------|--|
| July 1, 2016 | Modify enforcement response plan and inspection plans |
| July 1, 2019 | Reduce trash by 80% |
| September 2019 | Prepare a Green Infrastructure Plan |
| July 1, 2020 | Reduce mercury to the Bay by 48 grams per year |
| September 2020 | Develop a mercury control measure implementation plan |
| | PCBs: |
| September 2018 | Collect samples of caulk and sealants to test for PCBs |
| June 30, 2019 | Implement a protocol for managing demolition materials with PCBs |
| June 30, 2020 | Reduce PCBs by 3 kilograms per year |
| September 2020 | Develop an implementation plan |
| September 2020 | Assess and report findings on public outreach |

MRP 2.0 Petition



- ▶ In December 2015, 74 municipalities, submitted petitions to the California State Water Quality Control Board requesting that MRP 2.0 be held in abeyance
- ▶ In February 2016, most Permittees activated their petitions requesting that the State Water Resources Control Board take up review of MRP 2.0

Questions & Discussion





East Bay Community Energy

UTILITIES & ENVIRONMENTAL SERVICES

Erik Pearson
Environmental Services Manager

March 14, 2016

EBCCE Steering Committee



To date, three meetings in 2016:

- ▶ January 6
- ▶ February 3
- ▶ March 2

Next Steps



January 6, 2016



- ▶ County Announced Goal: Launch in Spring 2017
- ▶ Formation of JPA before Tech Study is Complete
- ▶ MRW (consultant) is Analyzing Load Data
- ▶ Public Outreach to start this Spring

February 2, 2016



Committee discussed considerations for JPA

- ▶ Primary Board members would be Elected Officials
- ▶ Weighted Voting
- ▶ Power to contract, employ, incur debt, and issue bonds.
- ▶ Member agencies not expected to contribute to start-up costs.
- ▶ Member agencies not liable for agency debt

Cities may opt out after joining JPA, but before launch

February 2, 2016 (cont.)



New list of priorities. EBCE should offer:

1. Electricity with a lower (GHG) intensity than PG&E
2. Electricity with a higher renewable energy content than PG&E and also meets or exceeds the State's renewable portfolio standard.
3. Program offerings that support the achievement of city and county Climate Action Plan goals.
4. Rates that are competitive with those offered by PG&E.
5. Administering Agency that is financially sustainable, responsive to County and regional priorities, and well managed.

February 2, 2016 (cont.)



▶ Public Outreach Plan

▶ Phase 1

- ▶ Briefings to Councils, develop website, release marketing RFP

▶ Phase 2

- ▶ Social media campaign, tabling at events, community meetings, direct mail

▶ Phase 3

- ▶ Radio & print advertising, media pitching, customer notices

March 3, 2016



- ▶ MRW is forecasting PG&E rates & prices EBCE would pay
- ▶ Preliminary findings in April
- ▶ Many other communities in CA exploring
- ▶ Percent Renewable Energy for Default Option

Default Option



- ▶ Most programs:
 - ▶ Default is 50% renewables
 - ▶ Customer can opt up to 100% at higher rate
 - ▶ Customer can opt out
- ▶ Peninsula Clean Energy:
 - ▶ Default is 100% renewable for some cities
 - ▶ Customer can opt down to 50% at lower rate
 - ▶ Customer can opt out

Next Steps



- ▶ Presentation during Council Work Session on April 5
- ▶ JPA Agreement to Council in July or September

Questions & Discussion





Update on City-Wide Water Conservation and Revised Emergency Regulations for Statewide Urban Water Conservation

UTILITIES & ENVIRONMENTAL SERVICES

Emergency Regulations Timeline



- ▶ May 2015 – State Water Board revises Emergency Regulations to achieve a 25% statewide reduction
- ▶ June 2015 – Compliance assessment begins
- ▶ February 2016 – State Water Board adopts revised Emergency Regulations

Water Conservation Efforts in 2015



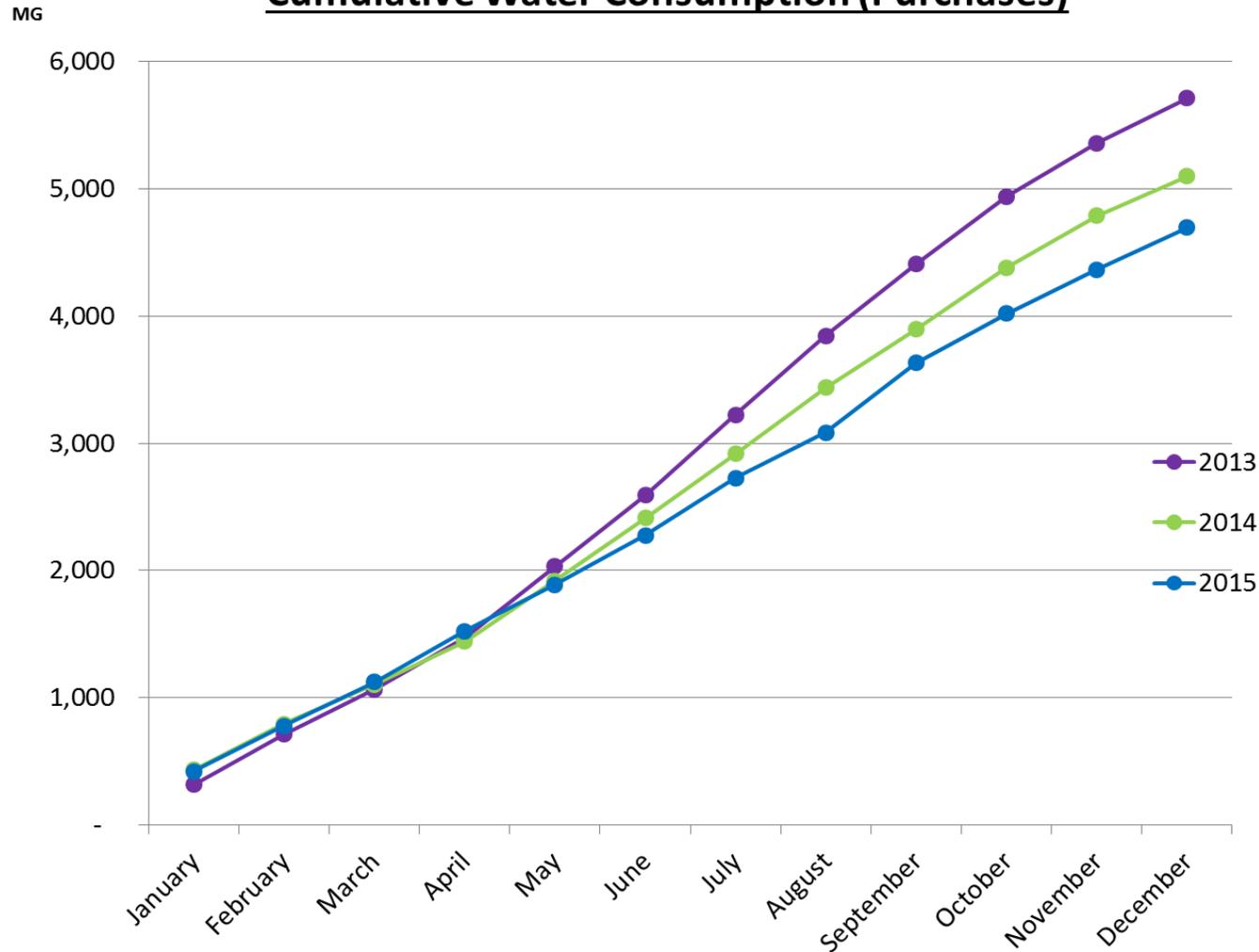
- ▶ City's water consumption decreased 8% in 2015 as compared to 2014
- ▶ Residential use was 51 gallons per capita per day
- ▶ City staff replaced the existing ornamental lawn at the Utilities Center with California natives and drought tolerant plants



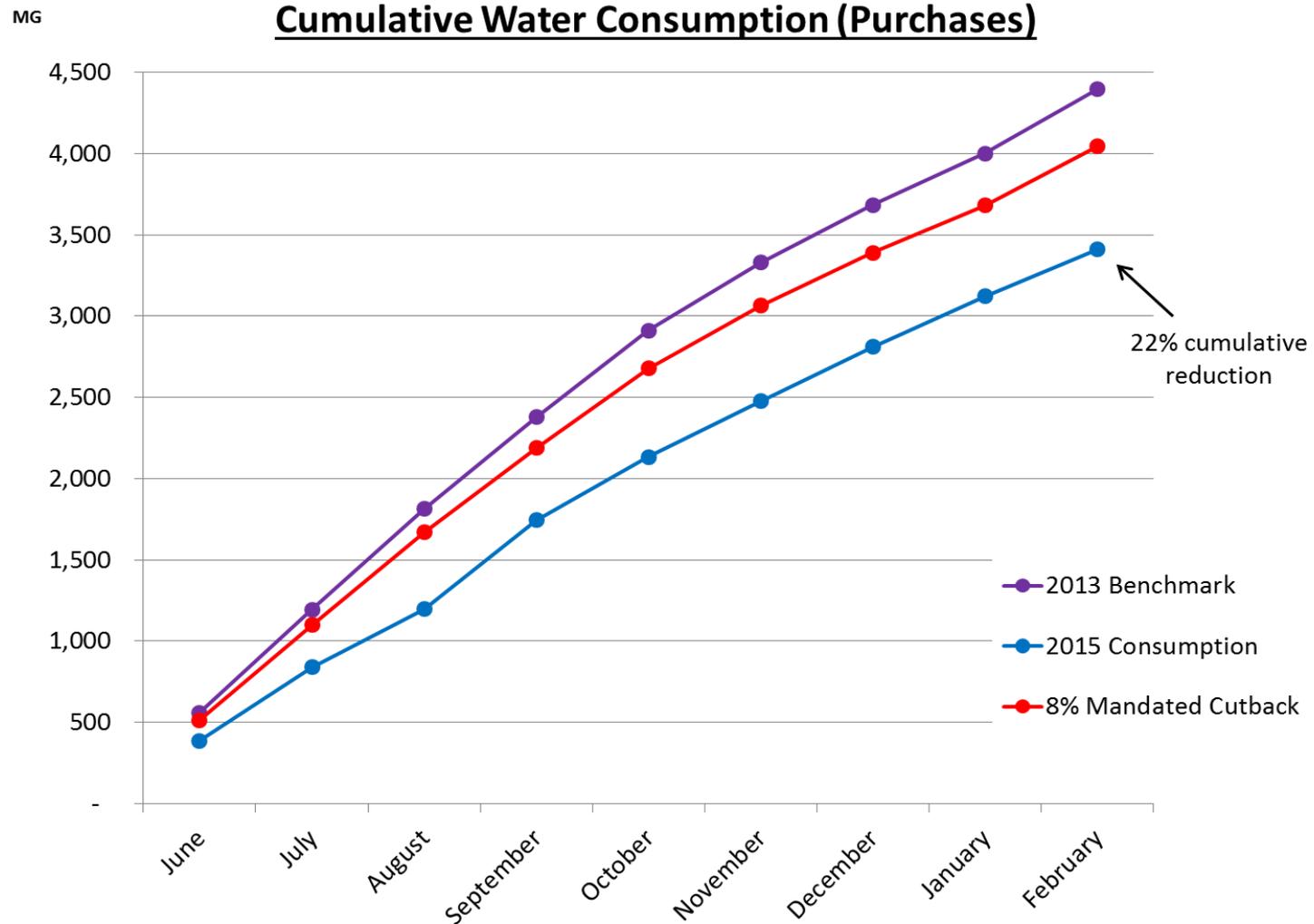
Water Consumption Comparison



Cumulative Water Consumption (Purchases)

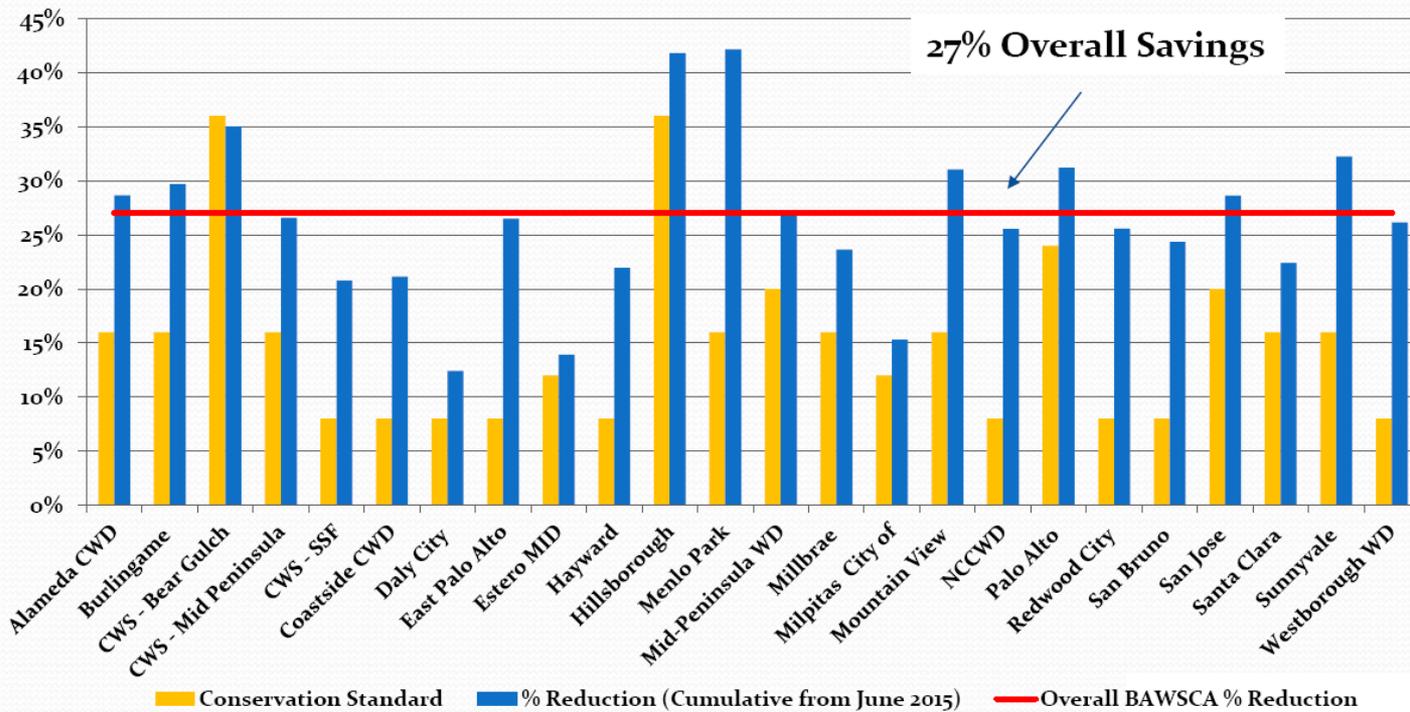


Consumption through First Reporting Period





BAWSCA Agencies Achieved 27% Savings through January



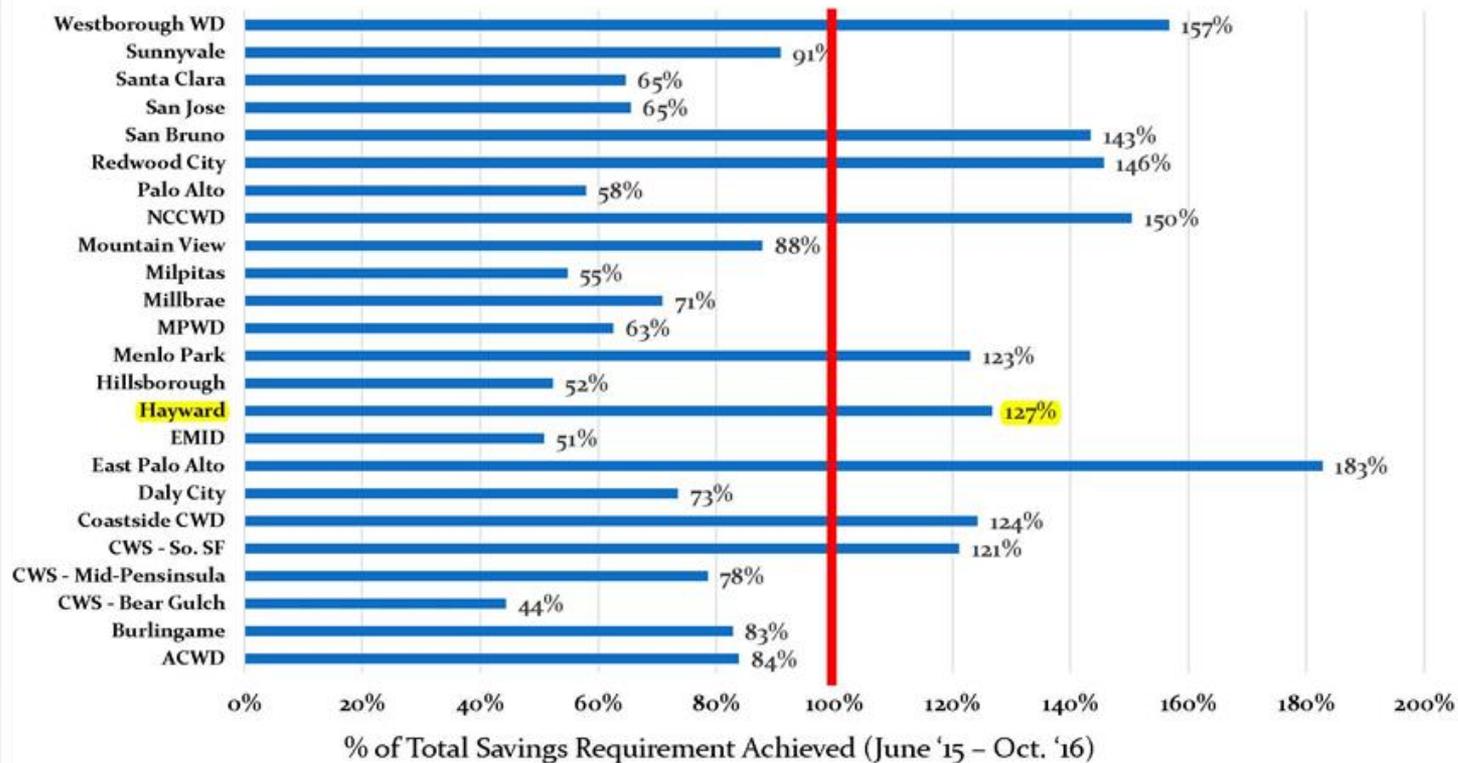
Extended Water Conservation Regulations



- ▶ Adopted by State Water Board on February 2
- ▶ Extension of the current Emergency Regulations through October 2016
- ▶ Expected statewide water conservation savings of 20%
- ▶ Provides urban water suppliers additional flexibility in meeting their conservation requirements
 - ▶ Climate adjustment
 - ▶ Growth adjustment
 - ▶ New, local, drought-resilient supply credit
 - ▶ Minimum 8% conservation standard



8 BAWSCA Agencies Have Achieved Total Savings Target





JUST **PUSH IT**

Sweep don't spray. It's a DROUGHT.

hayward-ca.gov/droughtwatch



Hetch Hetchy
Regional Water System
Services of the San Francisco Public Utilities Commission



SHORT & **STEAMY**

Shorten your showers. It's a DROUGHT.

hayward-ca.gov/droughtwatch



Hetch Hetchy
Regional Water System
Services of the San Francisco Public Utilities Commission

Questions & Discussion

