



East Bay Energy Watch Paper:

“Navigating the Changing Landscape of Energy Efficiency Programs in the East Bay”

UTILITIES & ENVIRONMENTAL SERVICES

Erik Pearson
Environmental Services Manager

January 8, 2018

Energy Efficiency Programs



- ▶ Bay Area Regional Energy Network (BayREN)
- ▶ Alameda County Energy Council
- ▶ East Bay Energy Watch
- ▶ PG&E
- ▶ East Bay Community Energy (potentially)

BayREN



Programs:

- ▶ Home Upgrade Advisor
- ▶ Bay Area Multi-Family Building Enhancement
- ▶ PACE Outreach
- ▶ PAYS

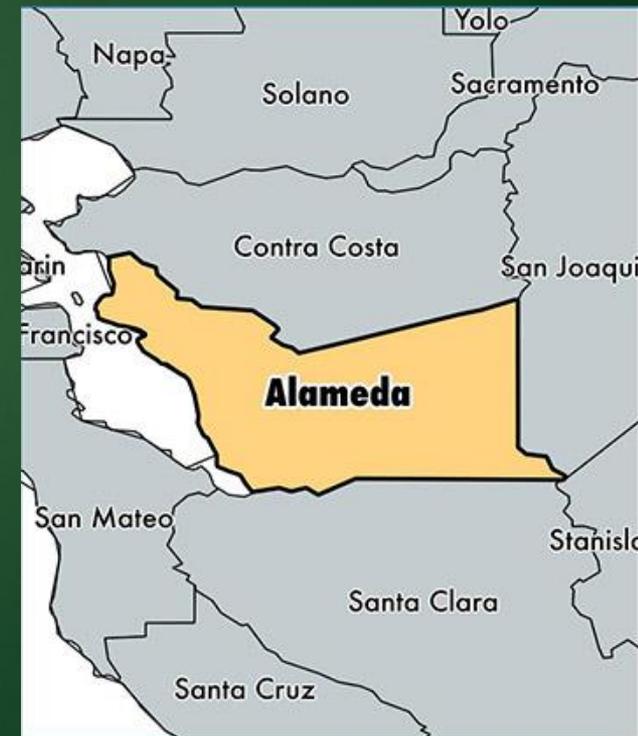


Alameda County Energy Council



Programs:

- ▶ Single-Family and Multifamily Retrofits
- ▶ Innovative Financing
- ▶ Labeling and Recognition Programs
- ▶ GHG Inventories



East Bay Energy Watch



Programs:

- ▶ Civic Spark
- ▶ Municipal Implementation Team
- ▶ California Youth Energy Services
- ▶ Small & Medium Business



PG&E



Programs:

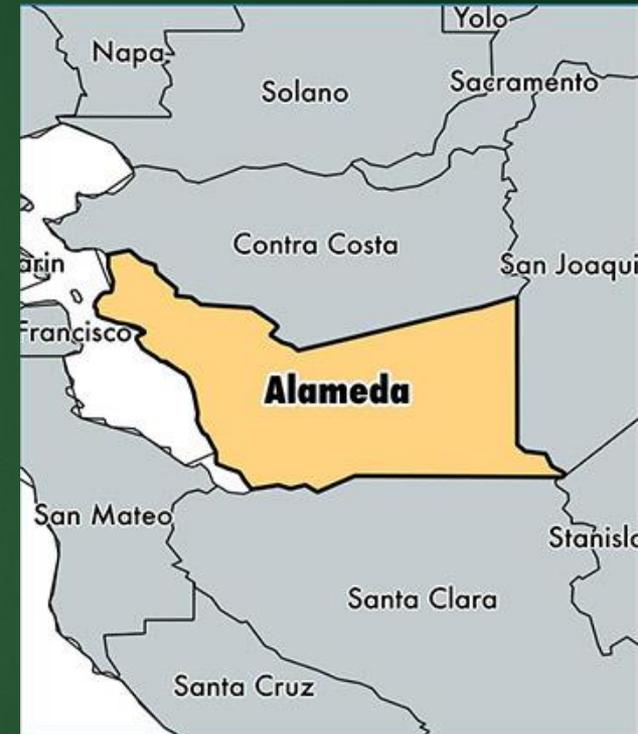
- ▶ Multifamily Upgrade Program
- ▶ Commercial customers
- ▶ Incentives
- ▶ Financing



East Bay Community Energy



- ▶ Will provide electricity with:
 - ▶ Rates competitive with PG&E
 - ▶ Lower GHG intensity
 - ▶ Develop local renewable energy in Alameda County



Questions Addressed in Paper



- ▶ *Strengths of the organizations that administer energy efficiency programs in the East Bay?*
- ▶ *Should CCAs administer energy efficiency programs?*
- ▶ *Should BayREN administer more energy efficiency programs?*
- ▶ *Should CCAs be involved in administering ratepayer-funded energy efficiency programs?*
- ▶ *What is the appropriate role for EBEW?*

Possible Scenarios



1. CCA does not offer any ratepayer-funded energy efficiency programs.
2. CCA does not offer its own energy efficiency programs, but supports other organizations' programs.
3. CCA provides ratepayer-funded energy efficiency programs only to fill gaps in current programming.
4. CCA offers ratepayer-funded energy efficiency programs that absorb, compete with, or replace existing East Bay programs.
5. CCA offers non-ratepayer-funded energy and GHG reduction programs.
6. EBEW takes on a formal coordination role among local governments, utilities and CCAs in the East Bay.
7. EBEW splits into two partnerships, with one covering MCE's jurisdictions and the other covering EBCE's jurisdictions.

Questions & Discussion





Review of 2017 Mountain Tunnel Shutdown and Regional Reliability Efforts

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Jan Lee
Water Resources Manager

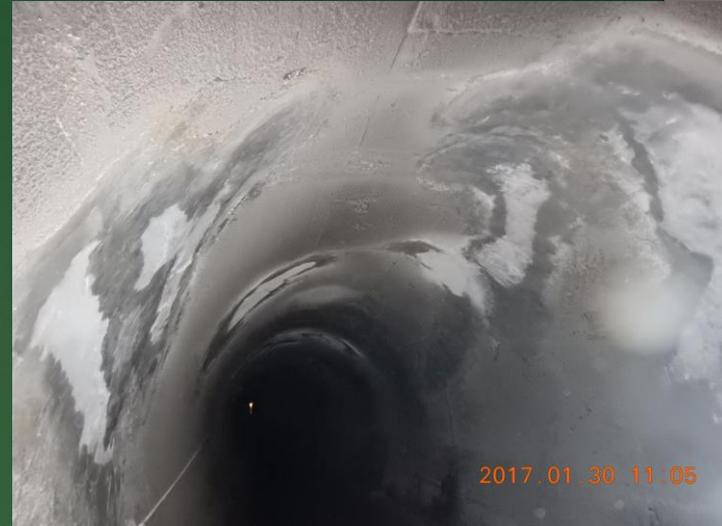
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2017 Mountain Tunnel Shutdown

Photos Courtesy of SFPUC and BAWSCA



Typical Lining Defect



Typical Lining Repair



Tunnel Access Improvements

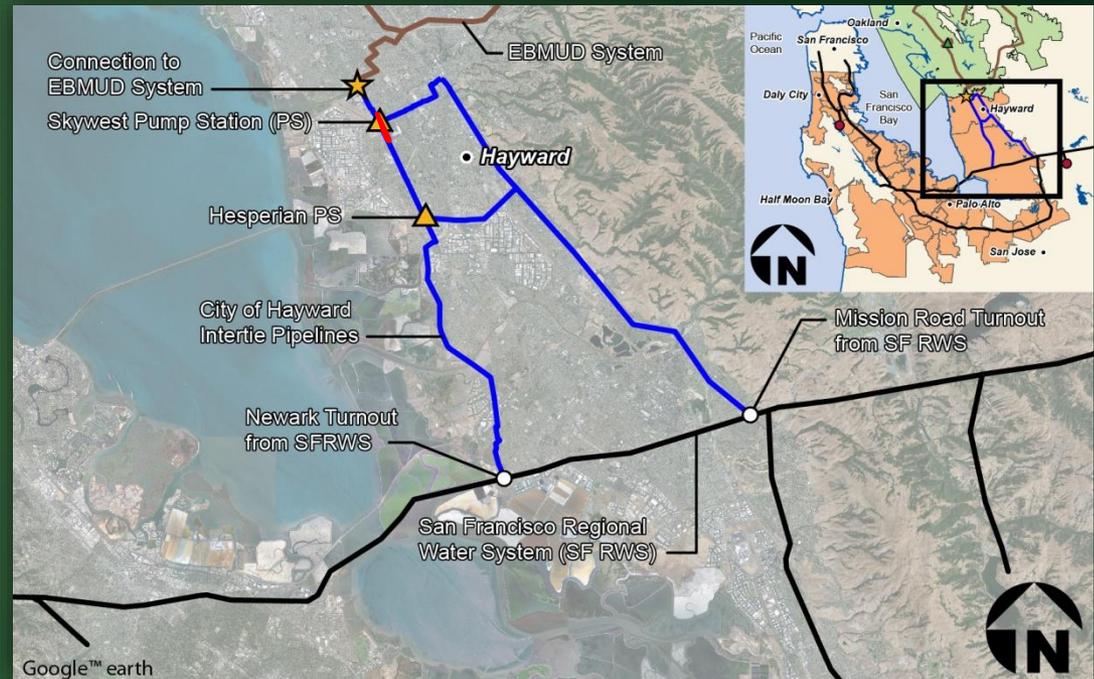


Completed New Adit Bulkhead

SFPUC/Hayward/EBMUD Regional Intertie



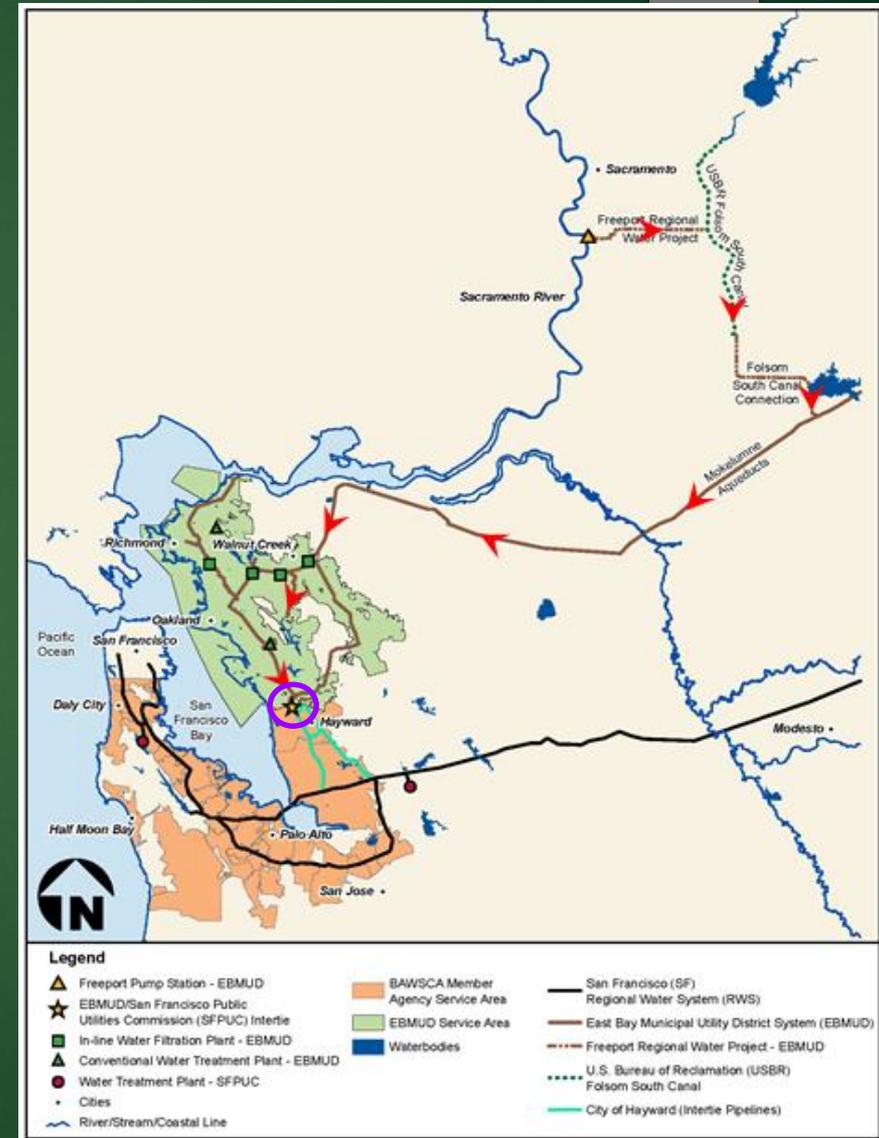
- ▶ Connects EBMUD and SFPUC systems through City of Hayward
- ▶ 30 MGD
- ▶ Emergencies and planned critical maintenance work



Pilot Water Transfer



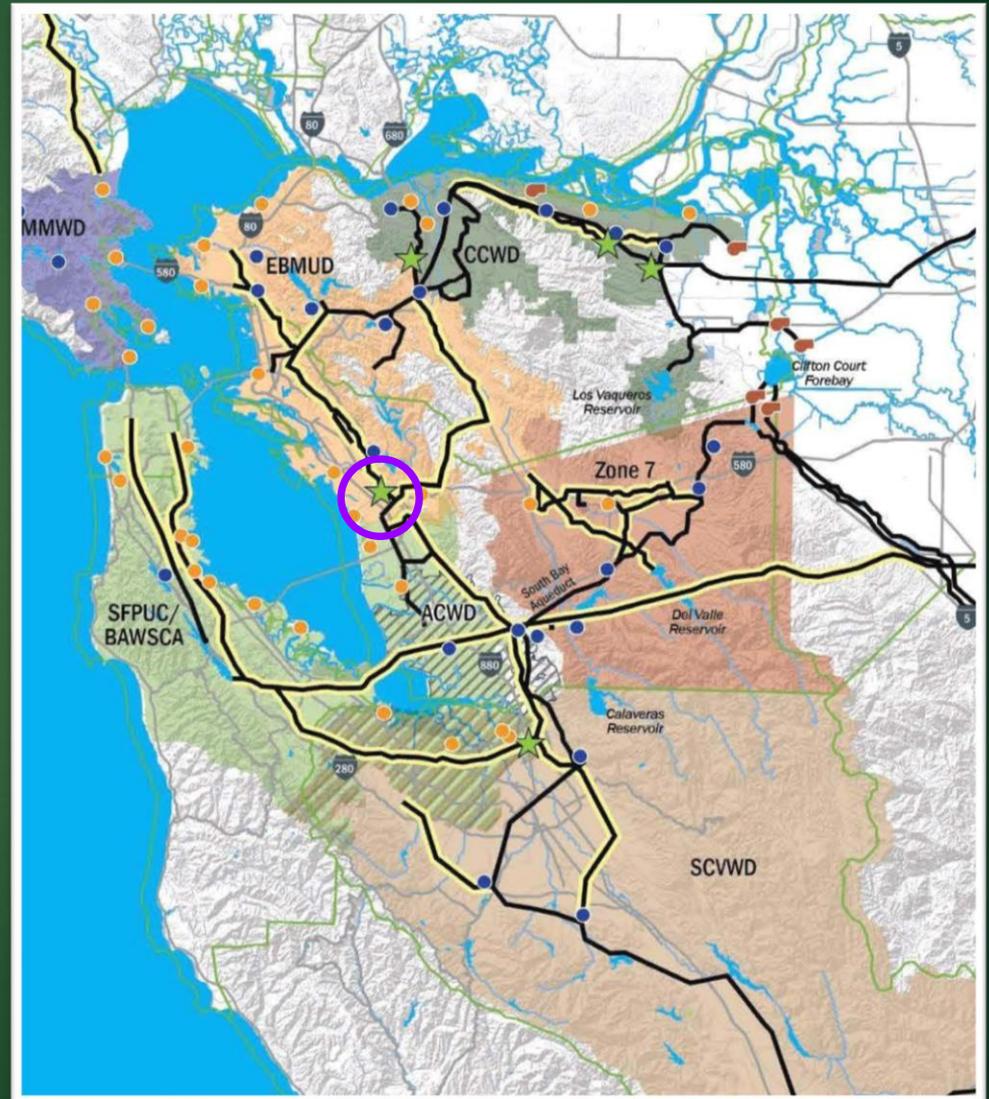
- ▶ BAWSCA interested in piloting water transfer using Regional Intertie
- ▶ Potential water quality and operational impacts to Hayward
- ▶ Initial plans to implement pilot transfer during 2018-2019 Mountain Tunnel shutdown
- ▶ Schedule uncertainty due to changed conditions



Bay Area Regional Reliability



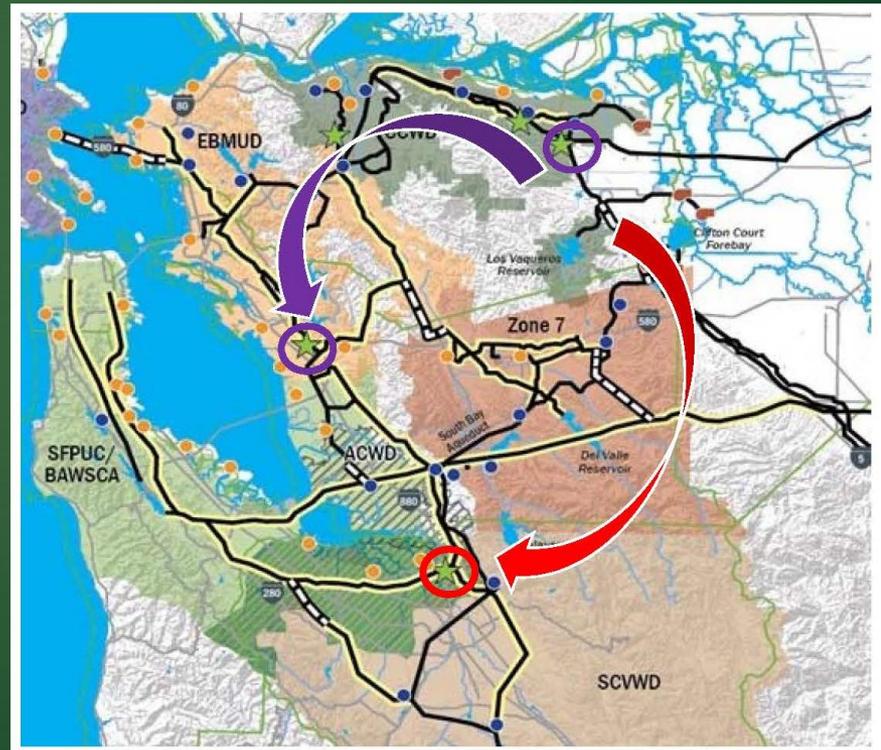
- ▶ Eight largest Bay Area water agencies
- ▶ Regional solutions to improve water supply reliability
- ▶ Grant funding to develop Regional Water Market Program
- ▶ Potential to implement BAWSCA pilot transfer as part of grant effort



Los Vaqueros Expansion



- ▶ Contra Costa Water District considering expanding reservoir from 160,000 acre-feet to 275,000 acre-feet
- ▶ SFPUC and BAWSCA identified as potential partners
- ▶ Potential supply alternative could include use of Regional Intertie



Next Steps



- ▶ Continue to work cooperatively with SFPUC and BAWSCA on Mountain Tunnel shutdowns
- ▶ Monitor and participate in regional reliability efforts
- ▶ Keep Committee apprised of progress

Questions & Discussion





Annual Update on City's Waste Reduction and Recycling Programs

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Diversion Goals

- State = Requires Diversion of 50%
- ACWMA = Goal of 75% Diversion by 2010
- Hayward = Goal of 75% Diversion by 2010, and
80% Diversion by 2018

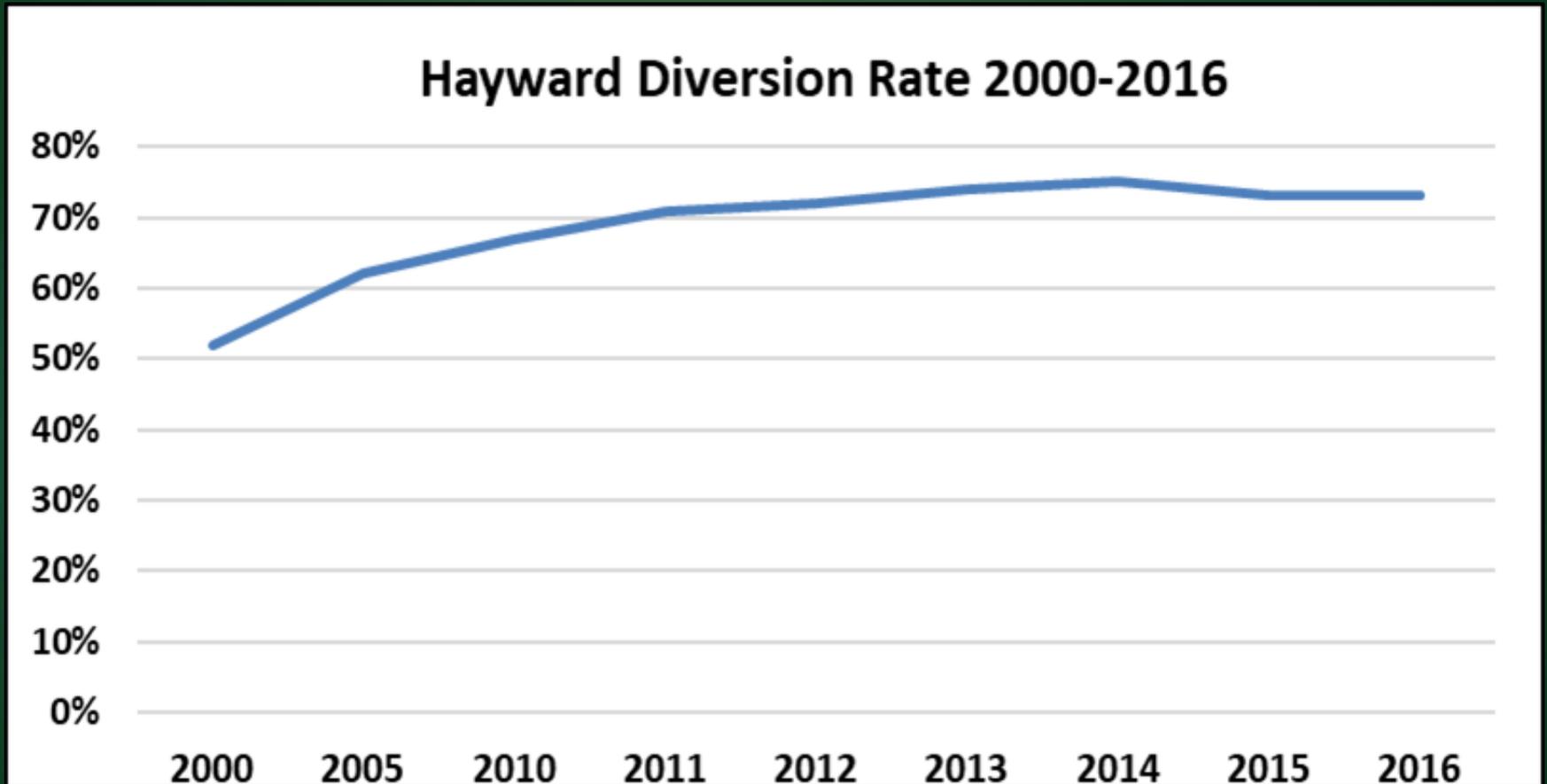
Mandatory Recycling Ordinance

- Requires Businesses and Multi-Family Dwellings to Recycle and Sort Organics

Hayward Diversion Rate



Diversion 2016 = 73%

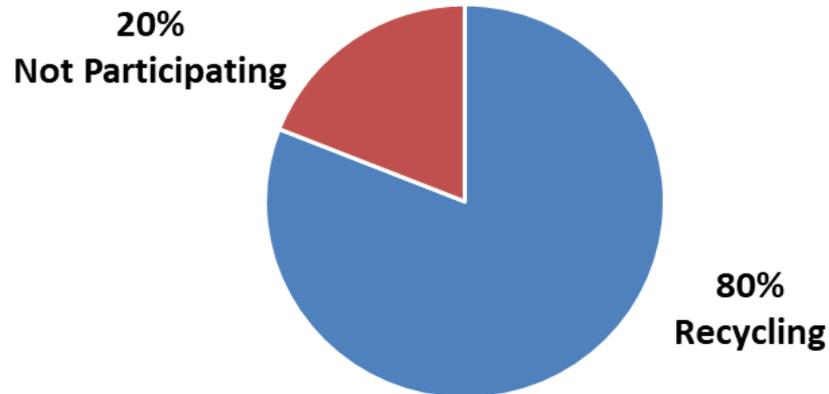


MRO Compliance

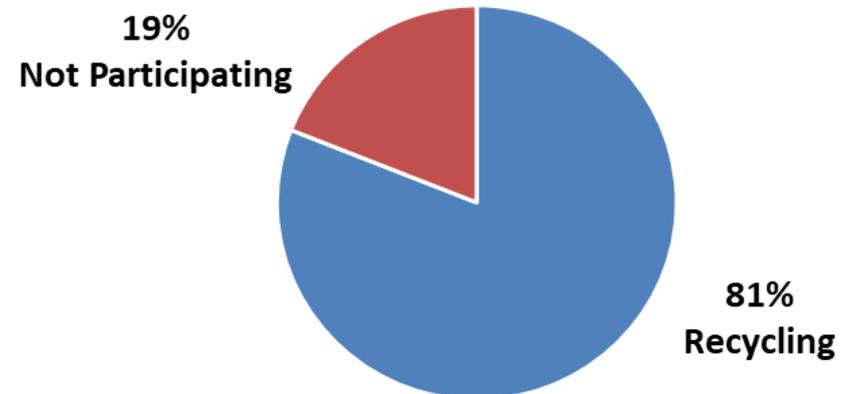


Businesses Recycling

Total Businesses Recycling - June 2017



Total Businesses Recycling - Dec 2017

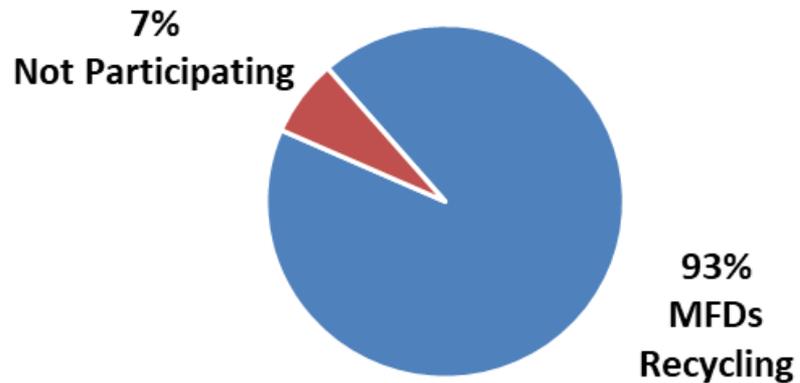


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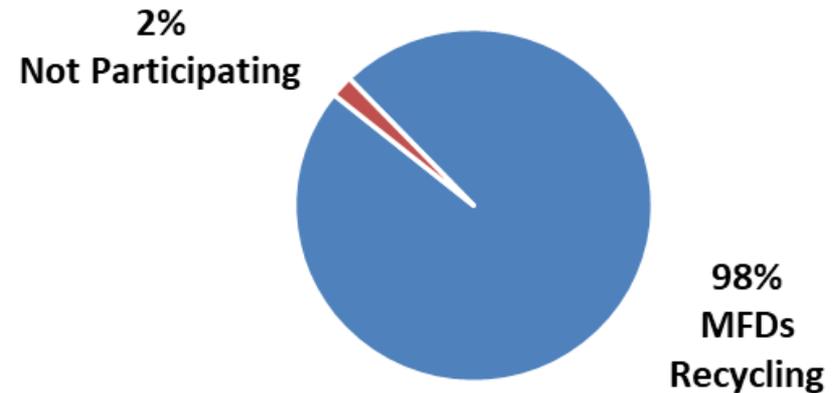


Multi-Family Recycling

**MFD Properties
Recycling Collection - June 2017**



**MFD Properties
Recycling Collection- Dec 2017**

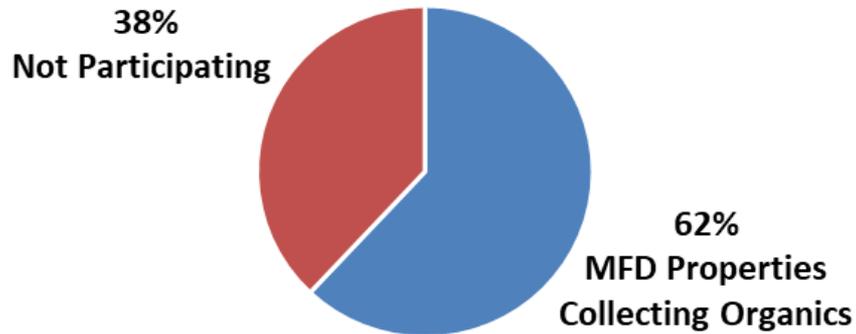


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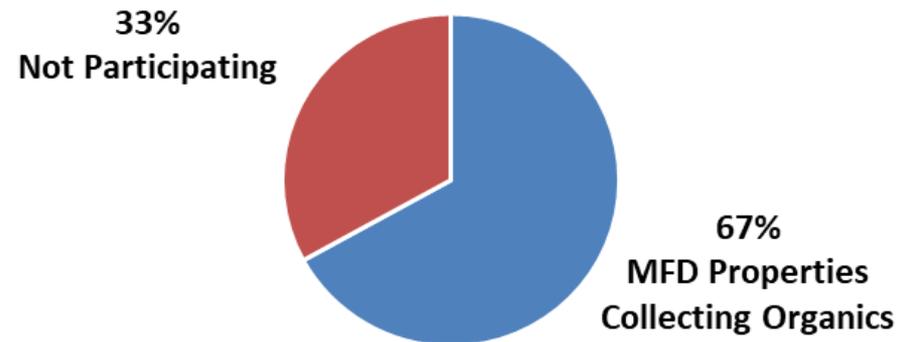


Multi-Family Organics

**MFD Properties
Organics Collection - June 2017**



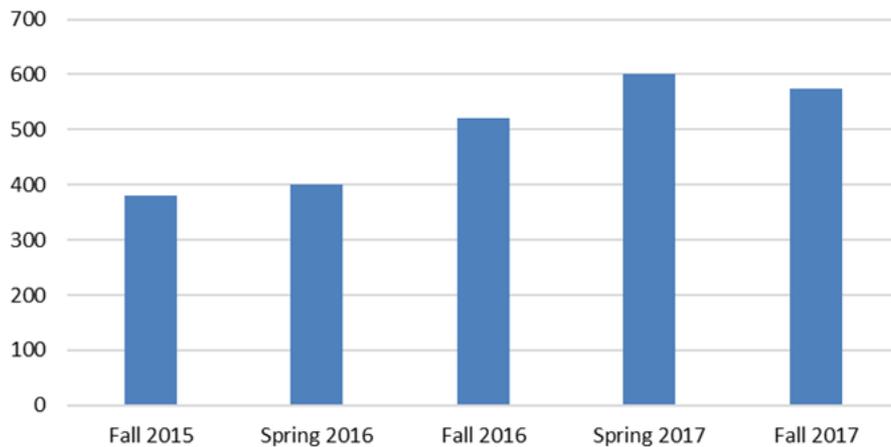
**MFD Properties
Organics Collection - Dec 2017**



WMAC Services – Free Compost



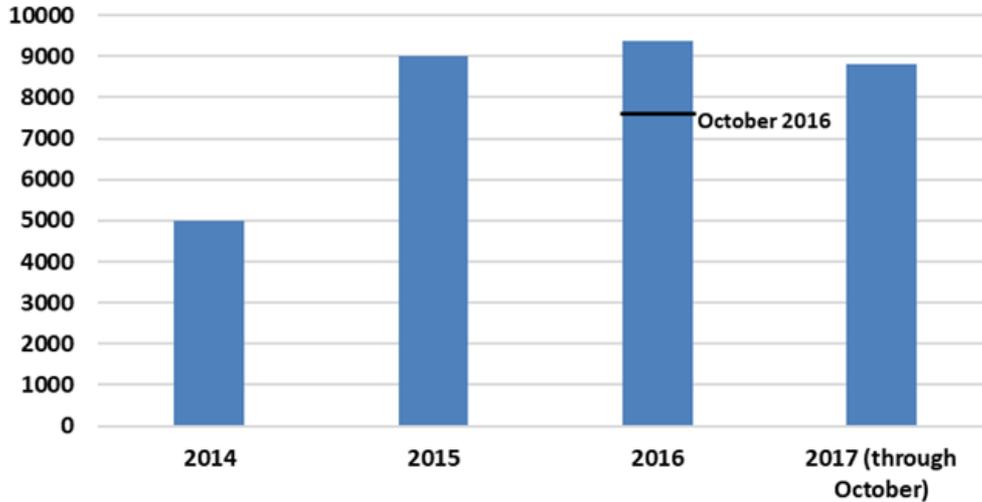
Compost Giveaway Attendance



WMAC Services – Bulky Items



Bulky Item Appointments



WMAC Performance



- ▶ Franchise Recovery Rate – contractual benchmark
 - ▶ About 39% in October 2017 - goal 54% for 2017

Timeframe	Required Franchise Recovery Rate	Actual Franchise Recovery Rate
Calendar Year (2015)	46%	37%
Calendar Year (2016)	50%	37%
Calendar Year (2017)	54%	39% (Oct)
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%	

Next Steps



- ▶ Rates

- Cost-Based Rate Setting - 2018

- ▶ Continue Outreach

Questions & Discussion





Proposed 2018 Agenda Planning Calendar

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January 8, 2018

Suggested 2018 Agenda Topics



March 12, 2018

EBCE – Consideration of Renewable Content for Default Product (Action)

Plastic Straws and Utensils (Action)

Addressing Litter from Disposable Food Packaging (Action)

AMI Implementation Update & Customer Portal (Action)

CYES Annual Report (Informational)

May 12, 2018

Establishing 2025 and 2030 GHG Reduction Goals (Action)

Progress Toward 2025 ZNE Goal (Informational)

Bike Share Programs (Informational)

Anti-Idling Programs (Informational)

Car Sharing (Informational)

Suggested 2018 Agenda Topics



Unscheduled Items

WMAC Franchise Agreement Annual Report (July)

Sustainable Groundwater Management

Accelerating Multifamily Building Upgrades (California Energy Commission grant)

Stormwater Trash Reduction Requirements

Laundry to Landscape Ordinance

Tiny Homes

Electrify America's Investment Plan

Potential Assembly Bill to Ban Fossil Fuel Automobiles

Bulky Pickup Service & Illegal Dumping (What Works Cities)

Long Term Water Conservation Framework

Current Drinking Water Quality Testing