

# Water Saving Efforts

## County of Santa Clara

County General Services Association- Fall Meeting  
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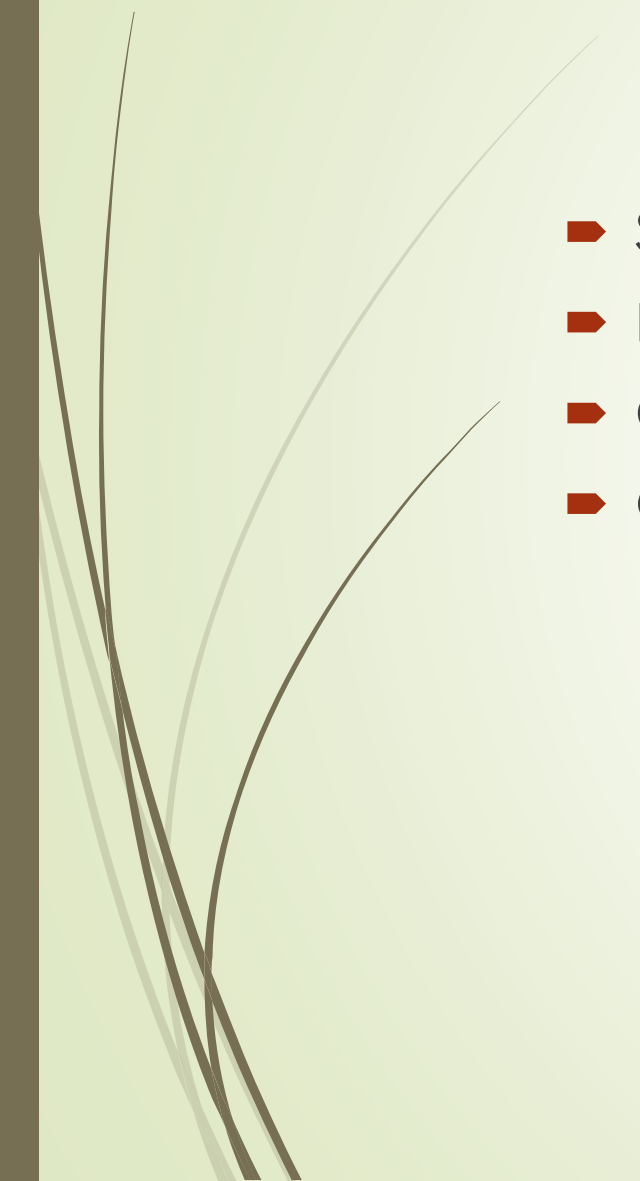


# Overview

- County Sustainability Policies
  - County of Santa Clara's Water Usage
  - Elmwood Correctional Complex
  - Water Saving Efforts
  - Sustainability in Jails Project
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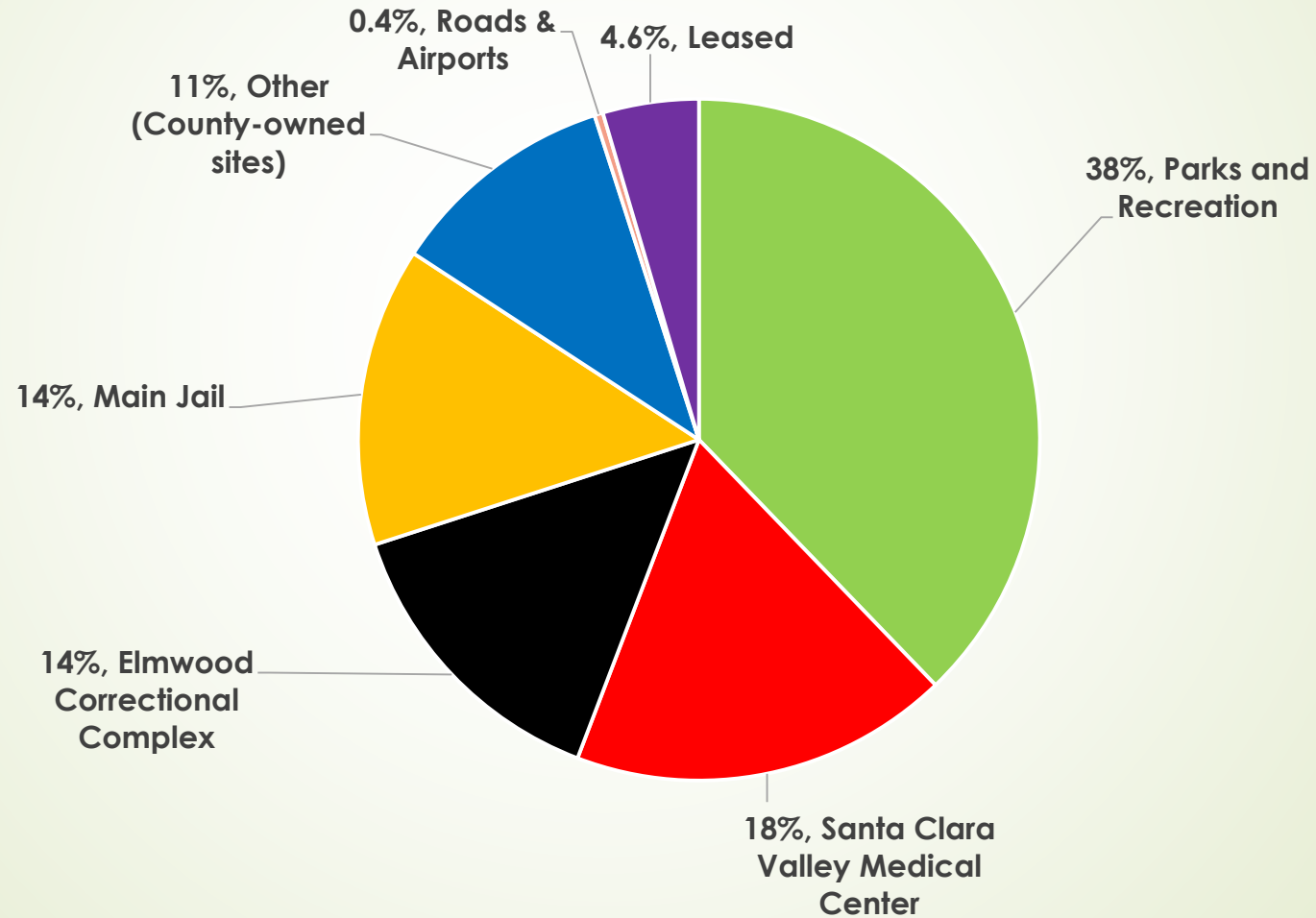


# County Sustainability Initiatives

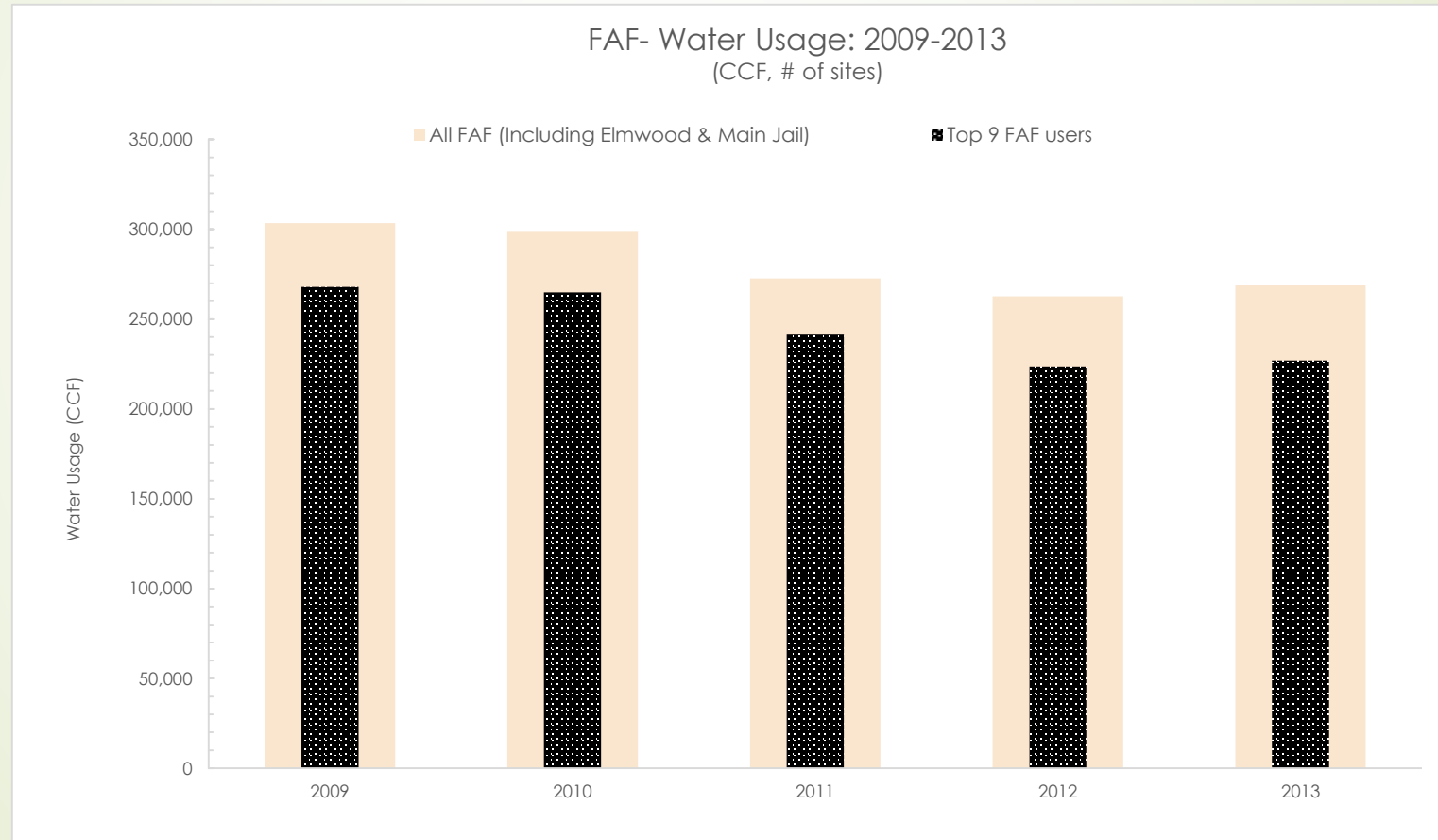
- Sustainability Policy
  - Environmental Stewardship Goals
  - Climate Action Plan
  - Green Building Policy
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# County Water Usage in 2013

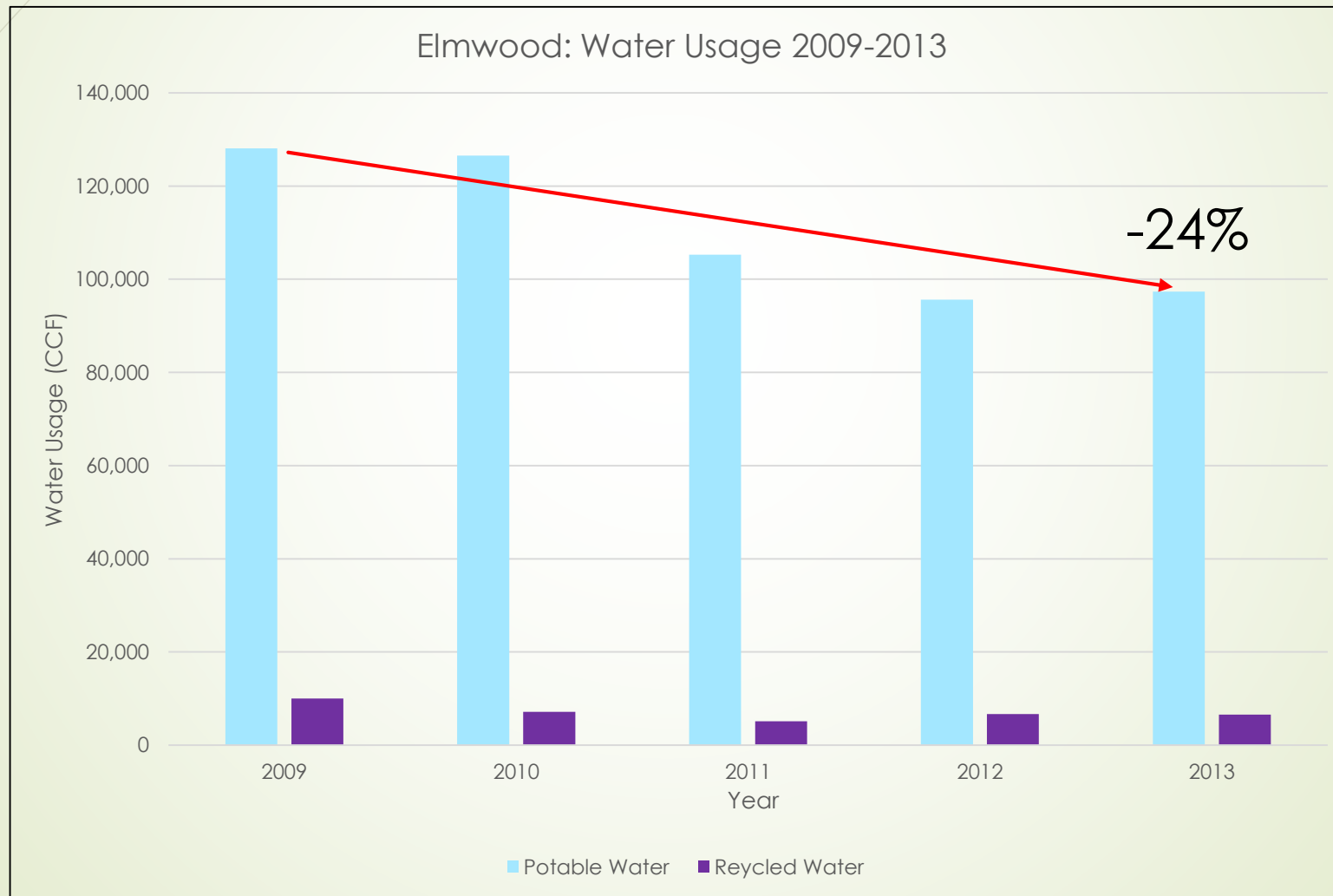
County Water Usage - 2013  
(%, Department)



# Facilities serviced by FAF (including jails) 39% of County's usage



# Elmwood Correctional Complex





Partner

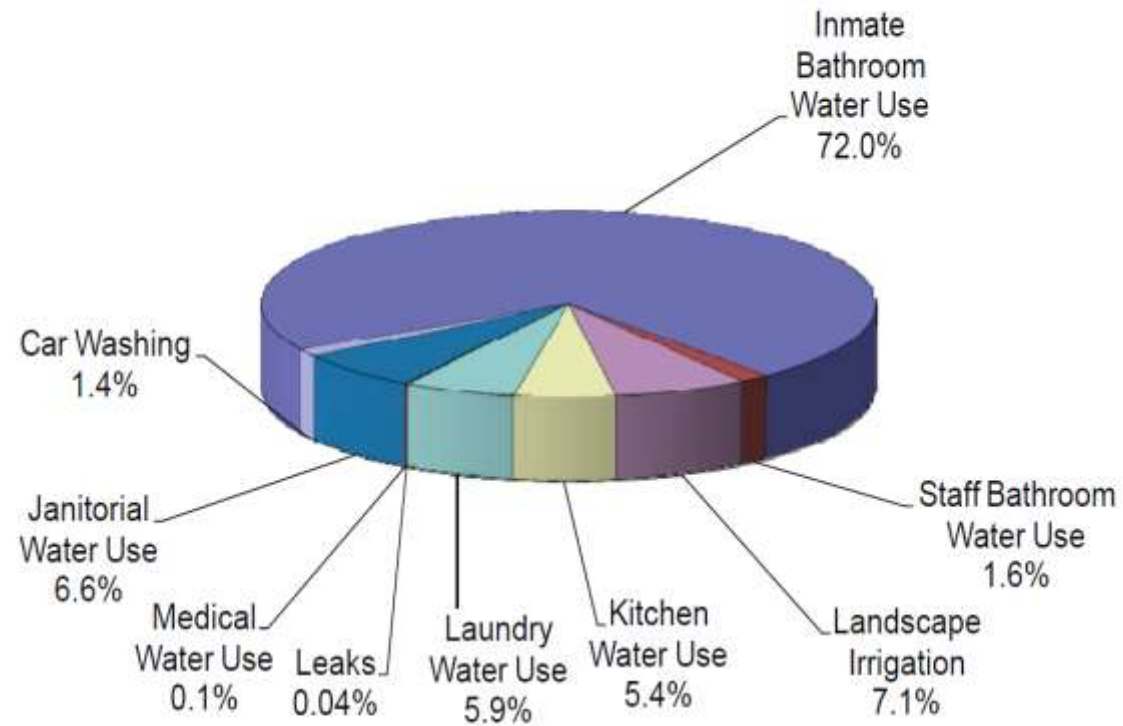
**Santa Clara Valley  
Water District**

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# Water Use Survey Reports

Figure 1– Estimated Allocation of Water Use





# Rebates and Programs



Water Efficient Technology Rebates



Santa Clara Valley Water District's  
Direct Install High Efficiency Toilet & Urinal  
Programs (non-detention toilets)

# Rebates: Landscape Conversion Projects



Over 11 acres of turf now converted to drought tolerant landscapes using Bay Friendly Landscaping and Gardening Principles.





# Other Completed Projects

- Toilet Flush Reduction Kits (Minimum Camp)
- Metering Faucets (Minimum Camp)
- Control Modules (Two Medium-security Buildings)
  - Auto lock out to prevent excessive toilet flushing
- State-wide Benchmarking Pilot Project
  - PG&E Grant
  - CA detention centers (facility, operations & utility)

# Water Conservation in the County



County of Santa Clara was awarded the Silicon Valley Water Conservation Award in the *Government Category* in 2013.



# Additional Recommended Projects

- Widespread toilet retrofit or replacement (19M gal/yr)
- Recycled Water Expansion (8M gal/yr)
  - Expand the irrigation system
  - Expand to include car washing
  - Expand to include cooling towers
- Ozone laundry system (2.7M gal/yr)
- Irrigation: Weather Based Controllers
- Demand-Based Recirculation Pump



# In Progress


- ▶ Continue installing toilet flush reduction kits
  - ▶ Reduce flush volumes
- ▶ Continue installing Metering Faucets (auto shut-off)
- ▶ Sub-meter installed
- ▶ Test Dorm: Install flush-o-meters & Central Switch



# Next Steps at Elmwood

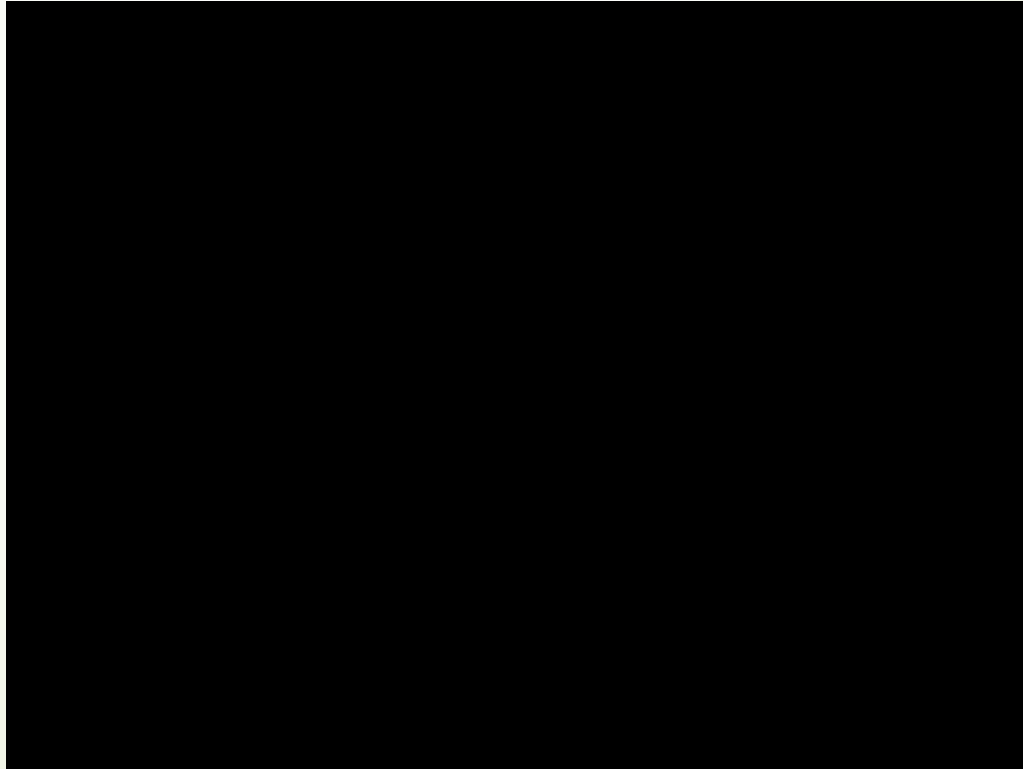
- Widespread Flush Volume Reduction Kits
- Continue outreach to County employees
- Green Cleaning
- Lawn Conversion – 1.4 acres
  - Qualifies for SCVWD landscape conversion rebate
  - Project will include inmates from the landscaping curriculum
- Sustainability in Jails Project





# Sustainability in Jails Project – Elmwood Correctional Complex

(a part of the Sustainability in Prisons Project Network  
<http://sustainabilityinprisons.org/>)





# Questions?

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