

# SAWPA

## Prop 1 Grant Proposal

- ● ● Watershed-Wide Water Budget Development



MARK NORTON

WATER RESOURCES & PLANNING MANAGER

March 28, 2019



# SAWPA Prop 1 IRWM, Round 1 – Call for Projects



- Grant Program: Proposition 1, IRWM, Round 1
- Funds Available: Approximately \$2.2 million grant for watershed wide projects
- \$500,000 grant sought under Small Budget Category

## Schedule:

- January 22, 2019 – Application Submitted to SAWPA
- Feb. 21, Mar. 13, April 3, 2019 – SAWPA Rating and Ranking Workshops
- May 23, 2019 – Recommended List of Projects to OWOW Steering Committee
- June 4, 2019 – Recommended List of Projects to SAWPA Commission ratification
- Late June 2019 – DWR Pre-Application Workshop
- Sept 2019 – DWR Application Due

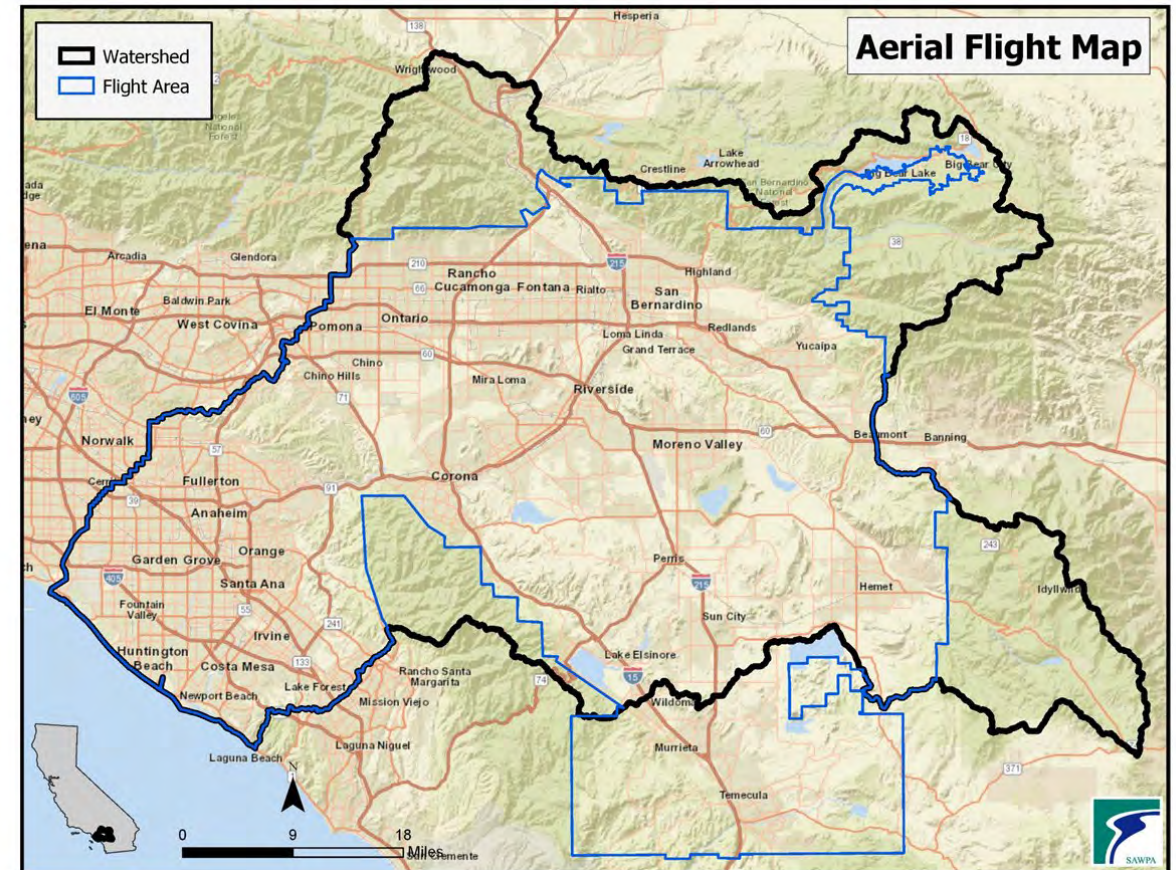
# PROJECT DESCRIPTION

- Develop an Urban Landscape Assessment Tool to measure, classify, monitor, and report on landscape water demands for the Santa Ana River Watershed.
- Provide uniform methodology to accurately calculate landscape water demands at both a regional and agency scale.
- Enable agencies to develop state efficiency targets.
- Establish baseline for more sophisticated tools to assist agencies in tracking development patterns, improve water demand scenario planning, and inform demand management program investments.



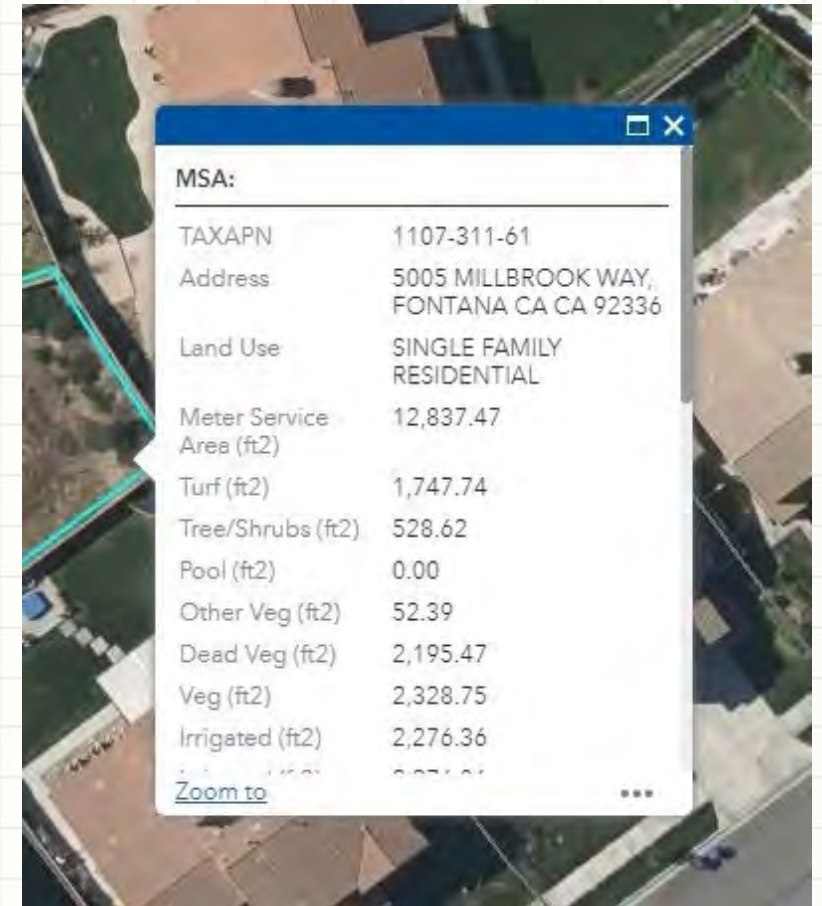
# UPDATE IMAGERY

- Update to 2015 Imagery
- Area of interest:
  - Urbanized Santa Ana River Watershed
  - 2,600 mi<sup>2</sup> (1.5M parcels)
- Stakeholder workshop to evaluate various types and sources of imagery
  - SCAG
  - DWR
  - Consultant
- Address Lessons learned



# LANDSCAPE ANALYSIS ENHANCEMENTS

- Project will reevaluate the Landuse Types with focus on the following:
  - Irrigated Landscape
  - Irrigable land
  - Hardscape



# EXPAND TOOL FUNCTIONALITY

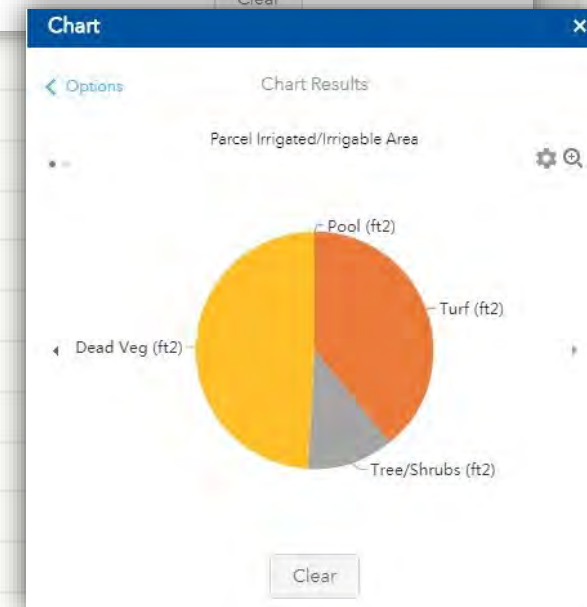
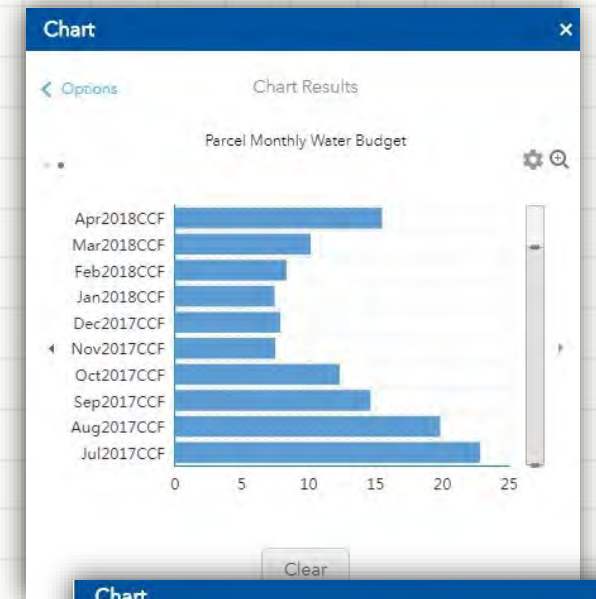
## Additional:

### Features / Data

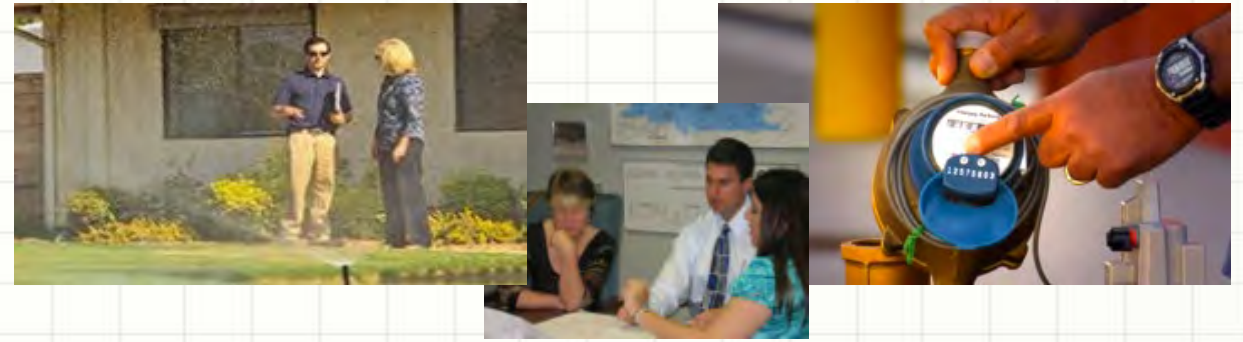
- Updated Parcel boundaries (modified)
- Additional ET Vegetation Classes
- Summary Budgets by Landuse Class
- Business Type

### Capabilities / Functions

- Update/ Edit Parcel Landscape Data
- Detailed Agency Budgets
- Customer Email
- Customer Status Report
- Link Billing Records



# PROJECT BENEFITS



1. Assist over 70 retail agencies in complying with State regulations that require water agencies to adhere to agency-wide water budgets (per Senate Bill 606 and Assembly Bill 1668).
2. Support water resource planning and supply/demand forecasts.
3. Implement budget-based rates (also known as conservation-based rates).
4. Assist water agency customers and responding to billing inquiries.
5. Implement water use efficiency programs, like targeted campaigns, in order to determine inefficient water users.
6. Provide a resource to field staff who perform water audits.
7. Support additional use of aerial information for habitat restoration efforts along Santa Ana River

# GRANT APPLICATION



- Priority Funding Category: Employ New or Innovative Technology or Practices
- Project Type/Benefits: Decision Support Tool / Water Conservation
- SAWPA working collaboratively with member agencies and MWDOC through PA 22 Committee
- Grant Request: \$500,000
- Grant Match: \$705,400 from SAWPA member agencies and MWDOC, possibly Bureau of Reclamation
- Application supported by SAWPA Commission on Jan. 15, 2019



# Bureau of Reclamation Grant Opportunity

- Water Management Options Pilots
- Support to completed Basin Studies (i.e. OWOW Plan)
- \$4 million in FY 2019
- Apply tools and information to address water management challenges
- Pilot technical, science based efforts such as refining models, developing new or additional data, evaluating concepts for water measurement, etc.



**RECLAMATION**  
*Managing Water in the West*

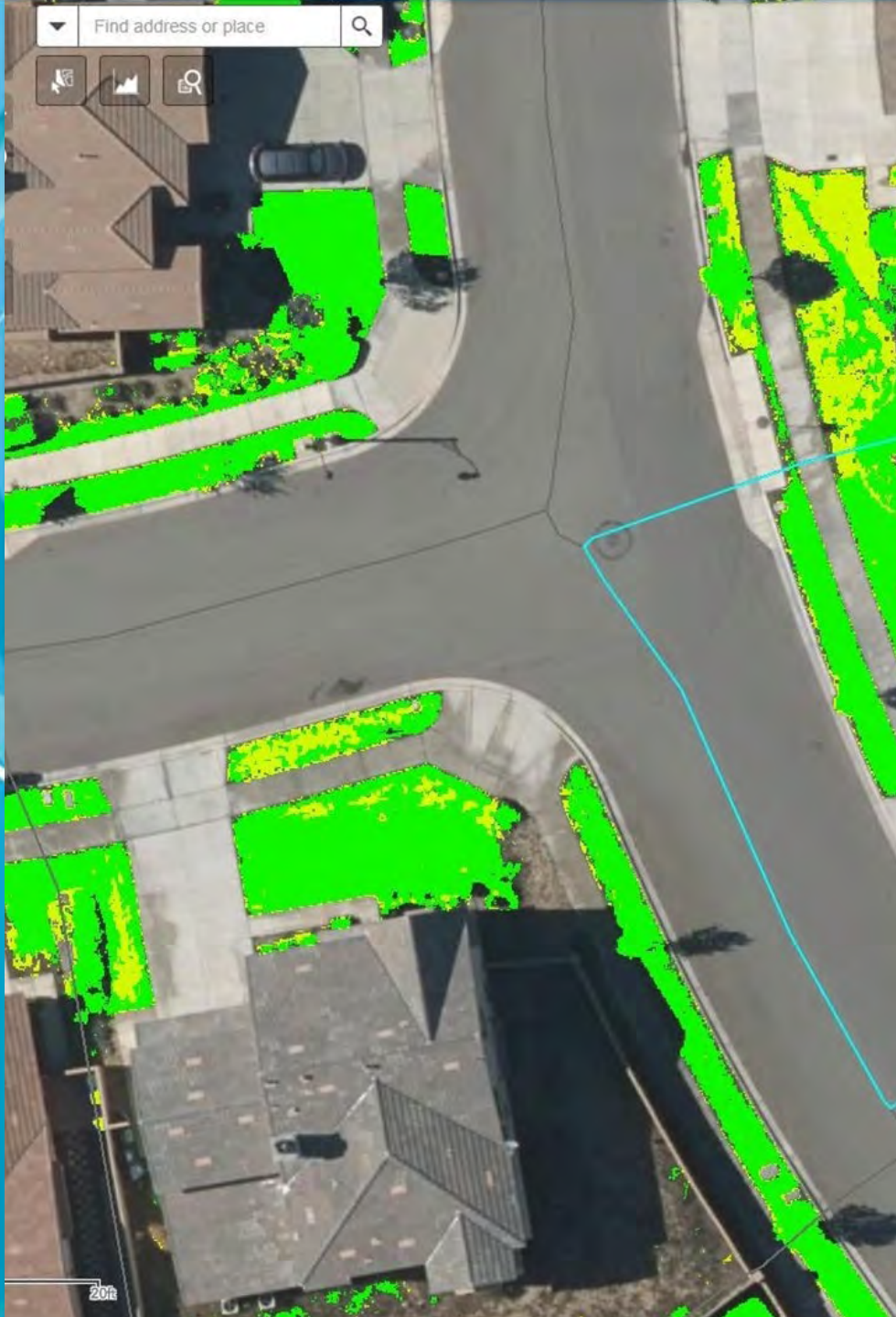
# Watershed-Wide Projects



- SAWPA approached other Potential Watershed-wide Projects including SAWPA member agencies and MWDOC as partners:
  1. Comprehensive Landscape Program (MWDOC)
  2. Accelerated Leak Detection and Meter Testing (EMWD)
- Agencies decided to combine Project 1 & 2 into one watershed wide project with EMWD as lead rather than going through PA 22 Committee
- SAWPA PA 22 Committee submittal remains as separate submittal and ranked preliminarily quite high in small budget category
- If successful, local match would not be needed until DWR agreement signed in late spring or early summer 2020.

# RECOMMENDATION

- Express support for the “Enhancements to Watershed-wide Water Budget Decision Support Tool” project that is seeking \$500,000 from the DWR Proposition 1 IRWM Round 1 Implementation Grant Program funding to be administered by Project Agreement (PA) 22 Committee, and for seeking and accepting local match by interested agencies for the project; and,
- Approve submittal of a Letter of Interest and subsequent application for a Pilot study grant under the Bureau of Reclamation Water Management Options Pilots to further secure local match.



# QUESTIONS

# Emergency Drought Grant Program Update



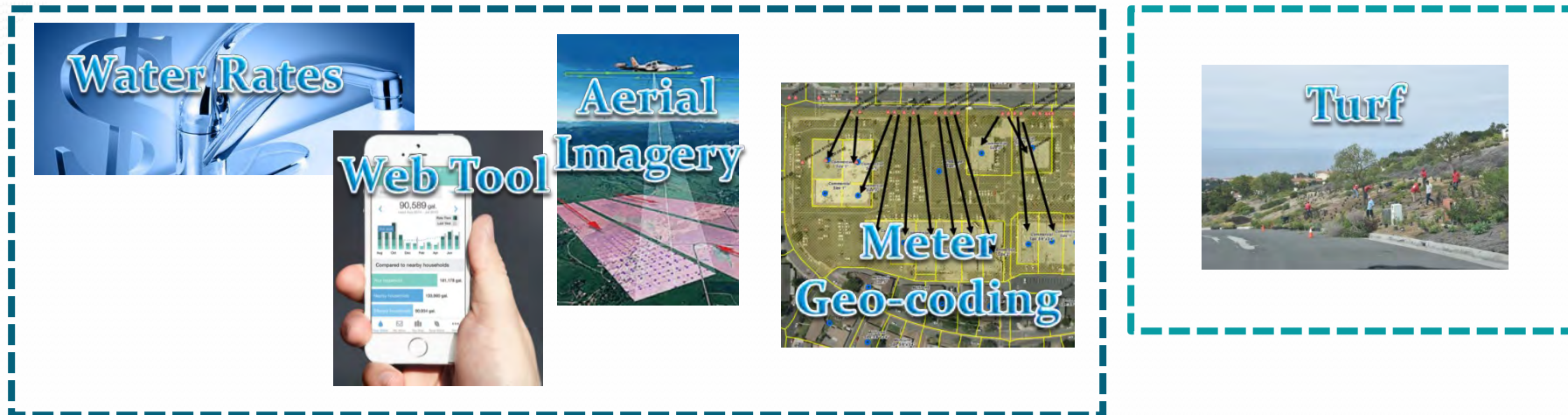
Ian Achimore  
Senior Watershed Manager  
Santa Ana Watershed Project Authority  
March 28, 2019

# Emergency Drought Grant Program Components

Project 1: Conservation Based Reporting Tools and Rate Structure Implementation



Project 2: High Visibility Turf Removal and Retrofit



# Note the Following Items

- The funding amounts for Project 2 show that the Sub-Grantee agreements have been amended, per the approval of the PA 22 Committee on August 24, 2017.
  - That action increased the funding available to EMWD, IEUA and WMWD.
- The funding amounts reflect the latest invoices that have been submitted to SAWPA by February 28, 2019.

# Overall Program Status

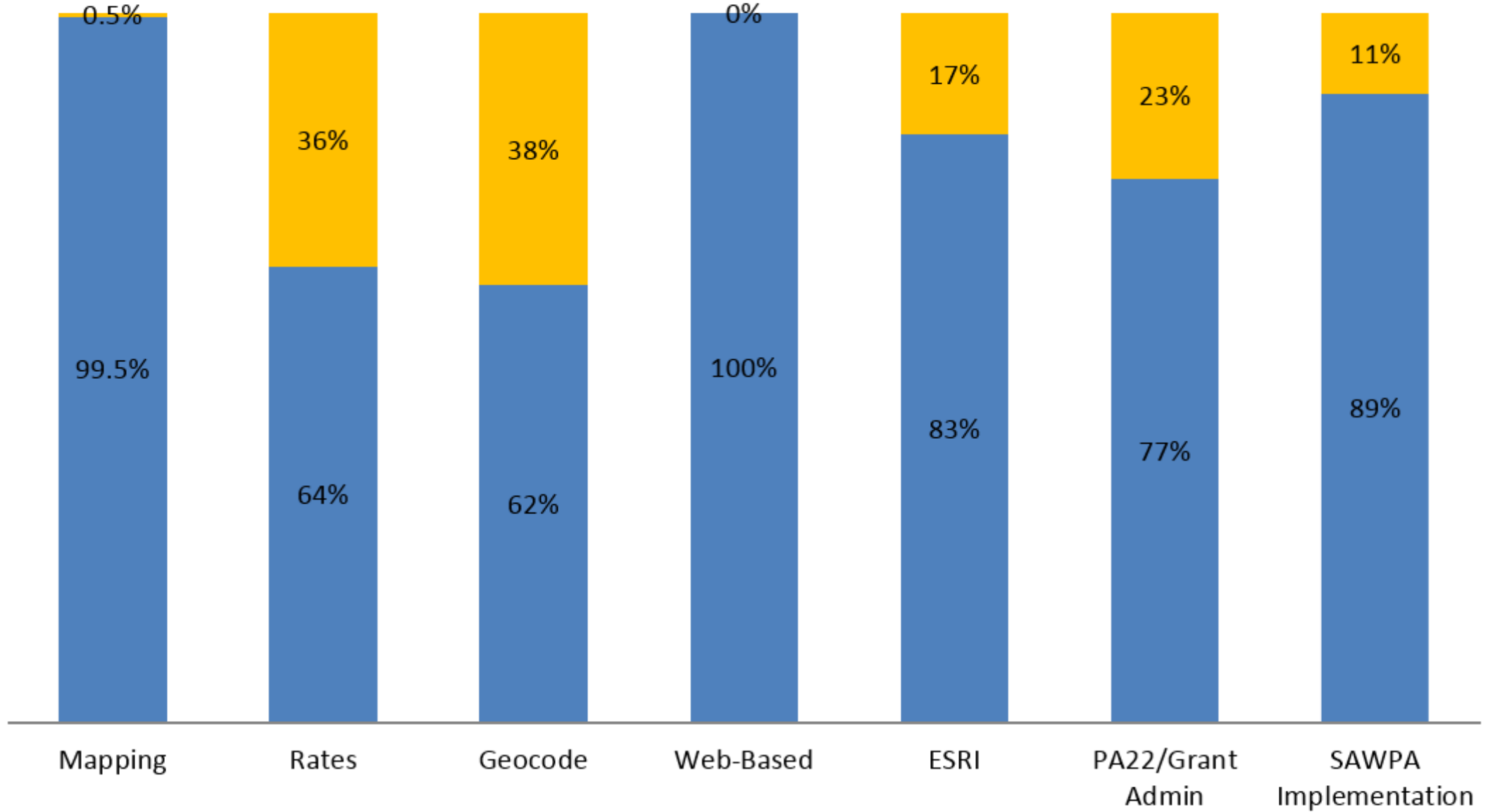
|                     | <b>Grant</b>  | <b>Required Funding Match</b> | <b>Total</b>  |
|---------------------|---------------|-------------------------------|---------------|
| In Grant Agreement  | \$ 12,860,110 | \$ 7,051,533                  | \$ 19,911,643 |
| Invoiced (\$)       | \$7,450,456   | \$ 5,943,834                  | \$13,394,291  |
| <b>Invoiced (%)</b> | <b>58%</b>    | <b>84%</b>                    | <b>67%</b>    |



# Project 1

## Grant Funds Invoiced

■ Invoiced ■ Not Invoiced



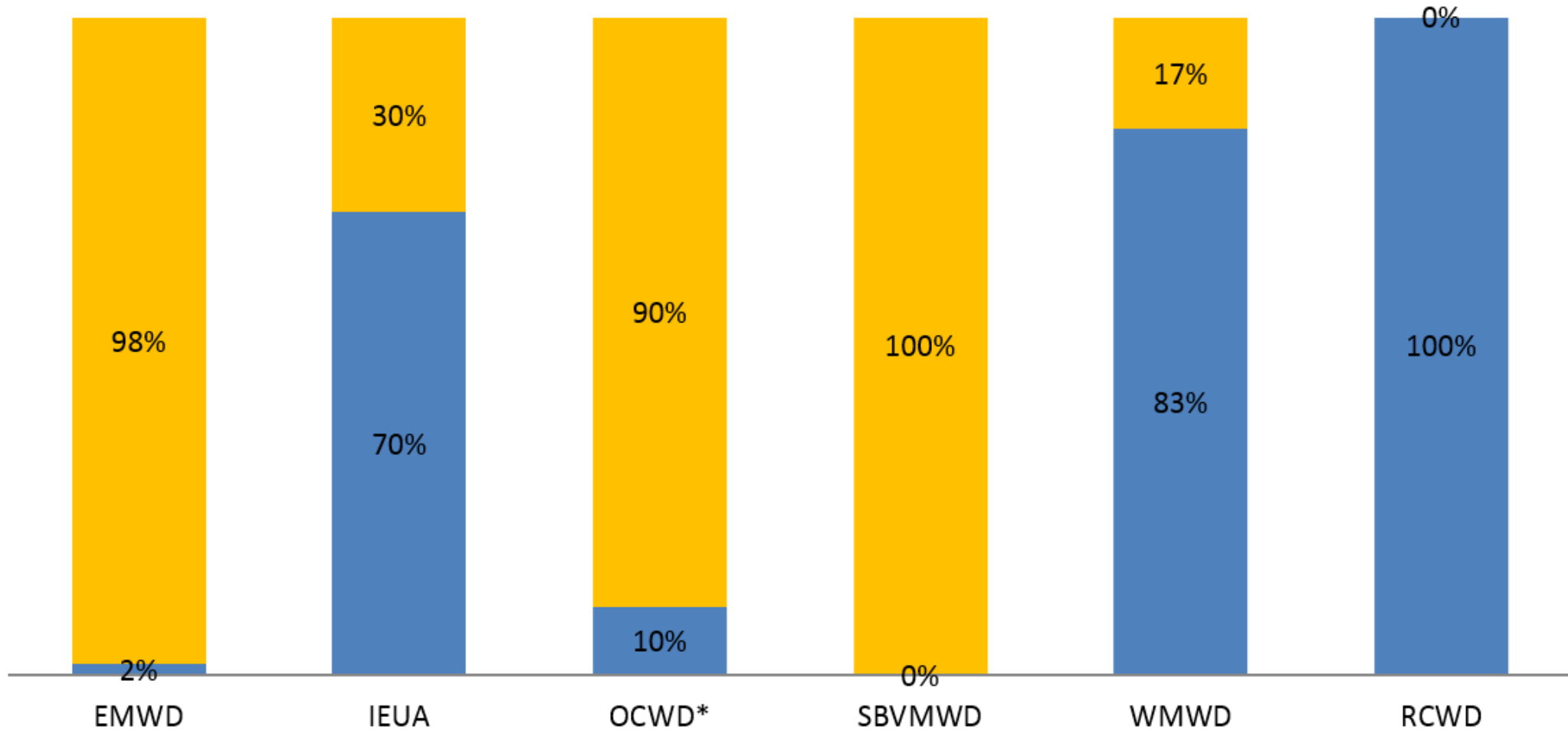
# Schedule Status by Component (Project 1)

- Aerial Mapping: (Completed) July 2017
- Conservation Based Rates: June 2019
- Meter Geocoding and Business Type Classification: June 2019
- Web-Based Information Tool: (Completed) June 2018
- ESRI Customer Parcel Water Budget Tool: (Completed) October 2018
- PA 22/Grant Administration: December 2019 (the date that the grant agreement expires)
- SAWPA Implementation: June 2019 (the date the projects implementation are scheduled to end)

# Project 2

## Grant Funds Invoiced

■ Invoiced ■ Not Invoiced



\*OCWD has an agreement with MWDOC that passes down the conditions from their Sub-Grantee agreement to MWDOC

## Schedule Status by Agency (Project 2)

- Most turf projects to be done by April 2019
- Invoicing paperwork completed by May/June 2019
  - Includes rebate applications
  - Pre and post photos
  - Landscape contractor invoices
  - Rebate checks from water agencies



# Questions

# Emergency Drought Grant Program Retail Water Agency Meter and NAICS Geocoding Program Status Update

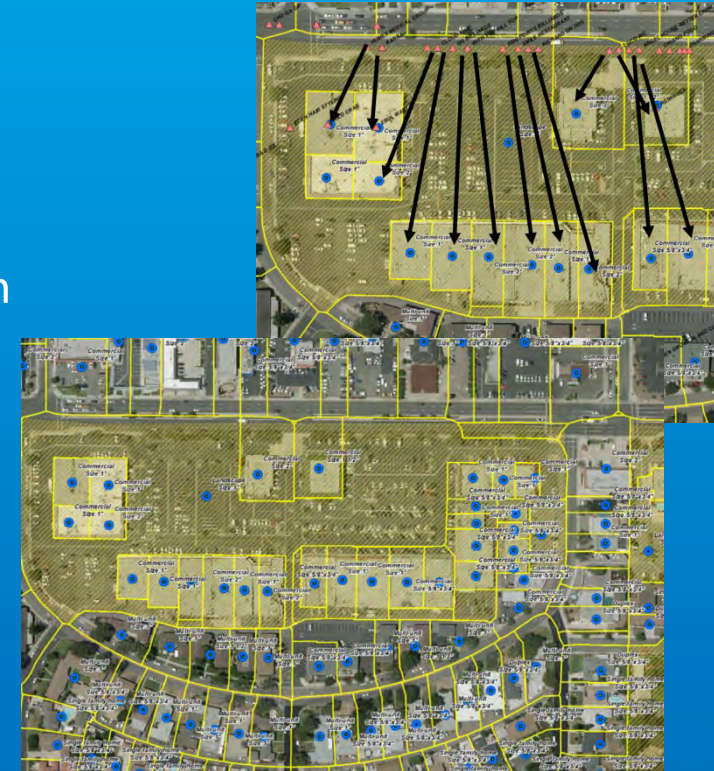
Santa Ana Watershed Project  
Authority

March 28, 2019



# Program Objectives

- Provide comprehensive water meter geocoding (account matching) services
- Classify commercial, industrial and institutional (CII) accounts using North American Industry Classification System (NAICS) coding
- Identify of mixed meter CII accounts as defined in the State's final report entitled, Making Water Conservation a California Way of Life, Implementing Executive Order B-37-16.
- Implement for a minimum of six retail water agencies located within the Santa Ana River Watershed and the EMWD and WMWD service areas within the Upper Santa Margarita Watersheds.
- SAWPA staff and Conservation Advisory Workgroup will coordinate with consultant through regular meetings.



# Program Highlights

- Miller Spatial selected to implement the Program
- Up to \$300,000 in Prop 84 Grant funding authorized by SAWPA PA 22 Committee
  - Funding allocated on a first come / first serve basis
- Project completion estimated
  - October 31, 2018





# Interested Agencies

- Monte Vista Water District
- Rancho California Water District
- Mesa Water District
- Fontana Water Company
- City of Chino Hills
- Cucamonga Valley Water District
- City of Ontario
- City of Upland
- City of Chino
- Western Municipal Water District
- Jurupa Community Services District
- City of Corona
- City of Norco
- City of Riverside
- Eastern Municipal Water District
- City of Hemet
- City of San Bernardino
- West Valley Water District
- City of Anaheim
- Yorba Linda Water District
- Irvine Ranch Water District
- East Orange County Water District



# Status Update

| Agencies               | Task 1: Agency Outreach & Data Consultation | Task 2A: Technical Approach | SubTask 2A: Water Meter Account to Water Meter Service Area Matching Services (METERS) | SubTask 2B: Account Classification Services (NAICS) |
|------------------------|---|-----------------------------|--|---|
| Rancho California WD   | Complete                                    | Agreement                   | Complete   | Complete  |
| Monte Vista WD         | Complete                                    | Agreement                   | Complete   | Complete  |
| Mesa WD                | Complete                                    | Agreement                   | Complete   | Complete  |
| Western MWD            | Complete                                    | Agreement                   | Complete   | Complete  |
| City of Hemet          | Complete                                    | Agreement                   | Complete   | Complete  |
| East Valley WD         | Complete                                    | Agreement                   | Complete   | Complete  |
| Chino City WD          | Complete                                    | Agreement                   | Complete   | Complete  |
| Jurupa CSD             | Complete                                    | Agreement                   | Final Review   | Complete  |
| City of Riverside      | Complete                                    | Agreement                   | Final Review   | Complete  |
| Yorba Linda WD         | Complete                                    | Agreement                   | Final Review   | Complete  |
| San Bernardino City WD | Complete                                    | Agreement                   | Final Review   | Complete  |
| Fontana WD             | Complete                                    | Agreement                   | Final Review   | Complete  |
| Cucamonga Valley WD    | Complete                                    | Agreement                   | Final Review   | Complete  |
| West Valley WD         | Complete                                    | Agreement                   | Final Review   | Complete  |
| Chino Hills City WD    | Complete                                    | Agreement                   | Final Review   | Complete  |
| Irvine Ranch WD        | Complete                                    | Agreement                   | In Process   | Complete  |
| Eastern MWD            | Complete                                    | Agreement                   | In Process   | Complete  |
| Upland City WD         | Complete                                    | In Process                  | In Process   | Complete  |
| Anaheim City WD        | Complete                                    | Contacted                   | Waiting  | Complete  |
| Norco City WD          | Complete                                    | Contacted                   | Waiting  | Complete  |
| Corona City WD         | Complete                                    | Contacted                   | Waiting  | Complete  |
| Ontario City WD        | Complete                                    | Contacted                   | Waiting  | Complete  |



# Questions?



# Conservation-Based Water Rates Update



Ian Achimore  
Senior Watershed Manager  
Santa Ana Watershed Project Authority  
March 28, 2019

## East Valley Water District



Prop 218 Hearing:  
March 25, 2015  
Has Implemented rates:  
June 2015

## Chino Hills



Prop 218 Hearing:  
May 8, 2018  
Has Implemented rates:  
October 2018

## Chino



Prop 218 Hearing:  
June 19, 2018  
Implement rates:  
May 2019

## Hemet



Prop 218 Hearing:  
Summer 2019  
Implement rates:  
2019

# City of Chino

- Rates adopted June 2018
- Tyler Munis Billing Software Issues
  - Software also used by Chino Hills
  - Once issue is resolved, they will roll out structure to their customers
- Billing software: In Chino's case, not an issue of **funding** but of the **time** needed to resolve all glitches



# City of Hemet



- Rates study draft complete
- Experienced delays on finalizing study due to development of other major priorities:
  - Well refurbishment
  - New customer meter installation
- Recently city management leadership has changed
- Staff from the public works department are working with the new management to finalize the schedule for bringing the rate structure to the City Council



# Questions