



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY
11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

NOTICE OF REGULAR MEETING OF THE PROJECT AGREEMENT 22 COMMITTEE

Interregional Landscape Water Demand Reduction Program

Committee Members:

- Halla Razak, General Manager, Inland Empire Utilities Agency
- Doug Headrick, General Manager, San Bernardino Valley Municipal Water District
- Paul D. Jones, General Manager, Eastern Municipal Water District, Chair
- Michael Markus, General Manager, Orange County Water District, Vice Chair
- Craig Miller, General Manager, Western Municipal Water District

THURSDAY, JANUARY 25, 2018 – 8:00 A.M.

AGENDA

1. CALL TO ORDER (Paul D. Jones, Chair)

2. PUBLIC COMMENTS

Members of the public may address the Committee on items within the jurisdiction of the Committee; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

3. WELCOME NEW COMMITTEE MEMBERS

- Craig Miller, General Manager, Western Municipal Water District
- Halla Razak, General Manager, Inland Empire Utilities Agency

4. APPROVAL OF MEETING MINUTES: NOVEMBER 16, 2017 3

Recommendation: Approve as posted.

5. COMMITTEE DISCUSSION ITEMS

A. EMERGENCY DROUGHT GRANT PROGRAM OVERVIEW FOR NEW PA22 COMMITTEE MEMBERS (PA22#2018.1) 7

Presenter: Ian Achimore

Recommendation: Receive and file.

B. EMERGENCY DROUGHT GRANT PROGRAM SCHEDULE AND BUDGET UPDATE (PA22#2018.2) 11

Presenter: Ian Achimore

Recommendation: Receive and file.

C. EMERGENCY DROUGHT GRANT PROGRAM COST SAVINGS (PA22#2018.3) 13

Presenter: Ian Achimore

Recommendation: Provide feedback on use of grant cost savings.

D. DRAFT REPORT FOR THE WEB-BASED INFORMATION TOOL (PA22#2018.4) 29

Presenter: Rick Whetsel and EagleView

Recommendation: Receive and file.

E. METROPOLITAN WATER DISTRICT'S INNOVATIVE CONSERVATION PROGRAM (ICP)

Presenter: Bill McDonnell

Recommendation: Receive and file.

6. FUTURE AGENDA ITEMS

7. ADJOURNMENT

PLEASE NOTE:

Americans with Disabilities Act: Meeting rooms are wheelchair accessible. If you require any special disability related accommodations to participate in this meeting, please contact (951) 354-4220 or kberry@sawpa.org. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Thursday, January 18, 2018, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted in SAWPA's office at 11615 Sterling Avenue, Riverside, California.

/s/

Kelly Berry, CMC

2018 Project Agreement 22 Committee Regular Meetings

Fourth Thursday of Every Month

(Note: All meetings begin at 8:00 a.m., unless otherwise noticed, and are held at SAWPA.)

January 1/25/18 Regular Committee Meeting	February 2/22/18 Regular Committee Meeting
March 3/22/18 Regular Committee Meeting	April 4/26/18 Regular Committee Meeting
May 5/24/18 Regular Committee Meeting	June 6/28/18 Regular Committee Meeting
July 7/26/18 Regular Committee Meeting	August 8/23/18 Regular Committee Meeting
September 9/27/18 Regular Committee Meeting	October 10/25/18 Regular Committee Meeting
November 11/15/18* Regular Committee Meeting*	December 12/27/18 Regular Committee Meeting

*Meeting date adjusted due to conflicting holiday.



PROJECT AGREEMENT 22 COMMITTEE
Interregional Landscape Water Demand Reduction Program
REGULAR MEETING MINUTES
NOVEMBER 16, 2017

COMMITTEE MEMBERS PRESENT

Joseph P. Grindstaff, General Manager, Inland Empire Utilities Agency
Paul D. Jones, General Manager, Eastern Municipal Water District [Chair]
Michael Markus, General Manager, Orange County Water District [Vice Chair]
John Rossi, General Manager, Western Municipal Water District (8:05 a.m.)

COMMITTEE MEMBERS ABSENT

Doug Headrick, General Manager, San Bernardino Valley Municipal Water District

STAFF PRESENT

Dean Unger, Ian Achimore, Larry McKenney, Karen Williams, Rick Whetsel, Zyanya Blancas

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

The meeting was called to order at 8:03 a.m. by Chair Jones at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

2. PUBLIC COMMENTS

There were no public comments.

3. APPROVAL OF MEETING MINUTES: OCTOBER 26, 2017

MOVED, approve the October 26, 2017 meeting minutes.

Result:	Adopted (Unanimously; 3-0)
Motion/Second:	Markus/Grindstaff
Ayes	Grindstaff, Jones, Markus
Nays:	None
Abstentions:	None
Absent:	Rossi, Headrick

4. COMMITTEE DISCUSSION ITEMS

A. SMARTSCAPE PROGRAM SUB-GRANTEE AGREEMENT WITH ORANGE COUNTY COASTKEEPER AND ROLES FOR SAWPA AND THE SAWPA MEMBER AGENCIES (PA22#2017.23)

Ian Achimore provided a PowerPoint presentation on the Smartscape Program (Program) Sub-grantee Agreement with Orange County Coastkeeper and Roles for SAWPA and the SAWPA Member Agencies.

John Rossi arrived at 8:05 a.m., at the commencement of Agenda Item 4.A.

The Program was developed as a partnership between SAWPA member agencies and the Orange County Coastkeeper (OCCK) in 2015 during the SARCCUP development. It supports water customers that have transitioned from turf grass to drought tolerant landscaping through site visits, written training materials, and workshops/trainings. Staff prepared a Sub-Grantee agreement that allows OCCK to implement the Program in the Santa Ana River Watershed service areas of Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), San Bernardino Valley Municipal Water District (SBVMWD), and Western Municipal Water District (WMWD).

The Program is described as a subtask in the PA23 Grant Agreement under the Water Use Efficiency Task, which is being administered by the PA22 Committee. The total cost for implementation of the Program is \$437,400, to be funded from participant fees and the Proposition 84 Integrated Regional Water Management 2015 Grant.

A Roles and Responsibilities Memorandum was prepared to codify the duties of SAWPA and the four SAWPA member agencies. SAWPA will manage the Program by collecting and reviewing reporting documents. SAWPA member agencies will manage the Program by collecting detailed tracking list, documentation of tasks performed, and draft deliverables.

SAWPA received an initial invoice from OCCK for reimbursement of preparation expenses in the amount of \$14,054, which SAWPA staff recommended for approval for payment from participant fees and grant funds for the Project. The SARCCUP Advisory Workgroup proposed to use funds from the SAWPA Project Management line item for these preparation costs. SAWPA staff indicated that removing funds from that project administration line item may result in staff coming back to the Committee for further funding into that account.

It was the consensus of the Committee to approve the utilization of funds from the SAWPA Project Management line item for OCCK's initial invoice, with the understanding that SAWPA staff may come back in the future to request further funds for SAWPA Project Management line item.

Garry Brown, Executive Director and CEO of OCCK and Inland Empire Waterkeeper, indicated that his team will present themselves to clients as the Inland Empire Waterkeeper.

MOVED, That the OWOW Steering Committee:

1. Execute the Sub-Grantee Agreement with Orange County Coastkeeper and approve the Roles and Responsibilities Memorandum; and
2. Authorize Payment of pre-contract preparation expenses, \$14,054, incurred between Jan to Aug 2017 by Orange County Coastkeeper in developing the scope of work and agreements for the Smartscape program under SARCCUP using funds from the SAWPA Project Management funds budget line.

Result:	Adopted (Unanimously; 4-0)
Motion/Second:	Grindstaff/Markus
Ayes	Grindstaff, Jones, Markus, Rossi
Nays:	None
Abstentions:	None
Absent:	Headrick

B. EMERGENCY DROUGHT GRANT PROGRAM SCHEDULE AND BUDGET UPDATE (PA22#2017.24)

Ian Achimore provided an oral overview of the memo provided in the agenda packet.

Status of Program Spending (As of September 2017)				
Grant Amount	Required Funding Match	Additional Cost Share	Total Project Costs	Percent Grant Billed
\$12,860,110	\$7,051,533	\$3,593,467	\$23,505,110	43%

Achimore stated that agencies are not invoicing for all their costs although they are implementing their projects; therefore, the Percent Grant Billed Percentage is lower than what was expected at the current phase of the Program. He specified that all, except Eastern Valley Water District, have not billed for the second phase of their contract. Chair Jones asked Achimore what is the percent completion relative to percent grant billed? Achimore declared an estimated amount of 73%.

Chair Jones called for a motion to receive and file Agenda Item No. 4.B. Committee member Rossi moved the motion; Committee member Grindstaff seconded the motion.

MOVED, to receive and file the Emergency Drought Grant Program Schedule and Budget Update (PA22#2017.24).

Result: **Adopted (Unanimously; 4-0)**
Motion/Second: Rossi/Grindstaff
Ayes: Grindstaff, Jones, Markus, Rossi
Nays: None
Abstentions: None
Absent: Headrick

C. PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT DROUGHT GRANT AMENDMENT UPDATE (PA22#2017.25)

Ian Achimore provided a brief oral update on the Proposition 84 Integrated Regional Water Management Drought Grant Amendment (Grant Amendment) Update.

On August 24, 2017, SAWPA staff submitted their requested for a Grant Amendment to the Department of Water Resources (DWR). The Grant Amendment moves funding between Budget Categories and Projects. It also lengthens the schedule from June 30, 2018 to June 30, 2019. DWR has indicated their support for the Grant Amendment and has provided a written approval of the requested schedule extension. Staff has subsequently requested the schedule to be extended even further to December 31, 2019, but DWR staff has not indicated their support. Staff expects DWR's approval of the Grant Amendment by December 2017.

Chair Jones called for a motion to receive and file Agenda Item No. 4.C. Committee member Grindstaff moved the motion; Committee member Rossi seconded the motion.

MOVED, to receive and file the Proposition 84 Integrated Regional Water Management Drought Grant Amendment Update (PA22#2017.25).

Result:	Adopted (Unanimously; 4-0)
Motion/Second:	Grindstaff/Rossi
Ayes	Grindstaff, Jones, Markus, Rossi
Nays:	None
Abstentions:	None
Absent:	Headrick

5. FUTURE AGENDA ITEMS

- Staff was directed to provide an overview of the Program specifically to update the two new General Managers that will attend the next PA22 Committee meeting.
- It was requested that a representative of the Metropolitan Water District of Southern California attend a future PA22 Committee meeting to provide an update of their Programs.

Chair Jones directed staff to send out a Notice of Cancellation for the December 28, 2017 PA22 Committee meeting. The next PA22 Committee meeting is scheduled for January 25, 2018.

6. ADJOURNMENT

There being no further business for review, Chair Jones adjourned the meeting at 8:37 a.m.

Approved at a Regular Meeting of the Project Agreement 22 Committee on Thursday, January 25, 2018.

Paul D. Jones II, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board

PA 22 COMMITTEE MEMORANDUM NO. 2018.1

DATE: January 25, 2018

TO: SAWPA Project Agreement 22 Committee

SUBJECT: Emergency Drought Grant Program Overview for New PA 22 Committee Members

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

Receive and file.

DISCUSSION

The Project Agreement (PA) 22 Committee has been working to implement the \$23,505,110 Emergency Drought Grant Program (Program) which is being funded by a \$12,860,110 Proposition 84 Integrated Regional Water Management (IRWM) 2014 Drought Grant (Drought Grant) and local cost share from the SAWPA member agencies, Municipal Water District of Orange County (MWDOC), Rancho California Water District (RCWD) and Metropolitan Water District of Southern California (MWDSC). The Program is a multi-regional effort that includes the Santa Ana River Watershed Integrated Regional Water Management (IRWM) and Upper Santa Margarita Watershed IRWM areas.

A presentation explaining the Program, the schedule and budget will be provided during the January 25, 2018 PA 22 Committee meeting.

The Program includes several components (also known as tasks). The Drought Grant Agreement, executed by the Department of Water Resources (DWR) and SAWPA in July 2015, separates these components into two “Projects” as shown below:

Project 1: Conservation Based Reporting Tools and Rate Structure Implementation

Component	Description	SAWPA Lead	Retail Agency Partners	Consultants
Aerial Imagery	Map the amount of living vegetation in the watershed	Dean Unger	Various agencies have received aerial imagery from SAWPA	-ESRI -Geophex -Resource Strategies - Statistical Research
Conservation-Based Water Rates	Incentive program where interested retail water agencies who have partnered under contract with SAWPA receive financial incentives	Ian Achimore	-Chino -Chino Hills -Cucamonga Valley WD - East Valley WD -Garden Grove -Hemet -Rialto	-CV Strategies -Ken Baerenklau -Goal Productions

	to study and adopt the rate structure		-San Jacinto -Tustin	
Meter Geocoding and Business Type Classification	Match water meter accounts to meter service areas for interested retail agencies	Rick Whetsel	Agencies are in the process of signing up.	Miller Spatial
Web-Based Information Tool	Allows interested retail water agencies to send customized messages to their customers based off of their water use	Rick Whetsel	-Brea -Fullerton -Loma Linda -Newport Beach -Ontario -Rialto -Tustin -Eastern MWD -Monte Vista WD -West Valley WD -Yorba Linda WD	-OmniEarth (acquired by EagleView) -Dropcountr

Project 2: High Visibility Turf Removal and Retrofit

Component	Description	SAWPA Lead	Retail Agency Partners	Implementation Agencies
High Visibility Turf Removal and Retrofit	Turf removal rebate program that provides an additional \$1 per square foot from the grant	Ian Achimore	Various retailers, as well as HOAs and other public agencies	-EMWD -IEUA -OCWD/MDOC -RCWD -SBVMWD -WMWD -MWDSC

BACKGROUND

The PA 22 Committee was established by the SAWPA Commission on October 17, 2014 to make policy decisions regarding water use efficiency and the implementation of water use efficiency programs. The PA 22 Committee is composed of the five SAWPA member agencies and represented by the general managers of each agency. The PA 22 Committee’s primary focus to date has been on implementing the Program.

A second phase of the PA 22 Committee will focus on implementing other components not included in the Program; the new components comprise of the water use efficiency tasks included in the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP). The SARCCUP components

will continue support for implementation of conservation-based rate structures with additional retail water agencies and implementation of drought tolerant landscaping maintenance support program with SARCCUP partner, Orange County Coastkeeper.

CRITICAL SUCCESS FACTORS

The following OWOW critical success factors are addressed by this action:

1. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
2. Data and information needed for decision-making is available to all.

RESOURCE IMPACTS

Funding for the managing the Project Agreement 22 Committee discussion items will come from the Proposition 84 IRWM Drought Grant shown in the labor categories within the FYE 2018 fiscal year in the Committee's two year budget.

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PA 22 COMMITTEE MEMORANDUM NO. 2018.2

DATE: January 25, 2018
TO: SAWPA Project Agreement 22 Committee
SUBJECT: Emergency Drought Grant Program Schedule and Budget Update
PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

Receive and file.

DISCUSSION

The following information provides a high level overview of the scheduled completion dates of each of the Emergency Drought Grant Program’s components, and the status of Program’s spending in comparison to the overall budget in the DWR Grant Agreement.

Schedule Completion Dates by Component:

Project 1 Conservation Based Reporting Tools and Rate Structure Implementation

- Aerial Mapping: February 2018 for cloud based imagery; Completed imagery mapping July 2017.
- Conservation Based Rates: January 2019
- Meter Geocoding & Business Classification: December 2018
- Web-Based Information Tool: June 2018

Project 2: High Visibility Turf Removal and Retrofit

- Turf Removal: December 2018

Note that dates above that are beyond December 2017 assume the DWR approves the amendment request provided to them in August 2017.

Status of Program Spending (As of November 30, 2017 invoices to SAWPA):

	Grant	Required Funding Match*	Total
In Grant Agreement	\$ 12,860,110	\$ 7,051,533	\$ 19,911,643
Invoiced (\$)	\$5,870,730	\$ 5,943,834	\$11,814,564
Invoiced (%)	46%	84%	59%

*Additional cost share not included; will be determined during Program finalization.

CRITICAL SUCCESS FACTORS

1. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
2. Data and information needed for decision-making is available to all.

RESOURCE IMPACTS

Funding for the Project Agreement 22 updates will come from the Proposition 84 IRWM Drought Grant shown in the labor categories within the FYE 2018 fiscal year in the Committee’s two year budget.

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PA 22 COMMITTEE MEMORANDUM NO. 2018.3

DATE: January 25, 2018

TO: SAWPA Project Agreement 22 Committee

SUBJECT: Emergency Drought Grant Program Cost Savings

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

Provide feedback on use of grant savings.

DISCUSSION

As discussed in previous PA 22 Committee meetings, savings from the Aerial Imagery and Web-Based Information Tool components have provided cost savings to the grant. To utilize those cost savings, the PA 22 Committee approved an expansion of the Emergency Drought Grant Program with implementing more turf removal, the creation of the cloud based aerial imagery platform with consultant ESRI, and the creation of the Meter Geocoding and Business Type Classification component. When creating the cloud based aerial imagery platform, a funding ceiling of \$100,000 for ESRI was approved by the PA 22 Committee in June 2017. When creating the new Meter Geocoding and Business Type Classification component, the related contract with Miller Spatial Services for \$300,000 (with the option of expanding it for \$50,000) was approved in August 2017. As of this drafting of this memorandum, if all retail water agencies who have expressed interest to SAWPA or Miller Spatial Services sign up for the new component, it will cost the grant \$400,000.

As discussed at the November 2017 meeting, three retail water agencies¹ have decided not to adopt conservation-based water rates. These actions will save the grant at least \$322,545 because the agencies will not have access to the second phase of their SAWPA contract (a value of \$107,515 per retailer). Based on spending projections and past spending documented through November 2017, the grant will have a savings of approximately \$245,000.

This estimate of grant savings makes several assumptions for each of the Program's components. The major assumptions include:

1. The Aerial Imagery component:
 - a. The task to provide cloud based services, as described in the contracts with consultant ESRI, will not be expanded².
2. Meter Geocoding and Business Type Classification component
 - a. All retail water agencies who have expressed interest to SAWPA or Miller Spatial Services sign up for the component, costing the grant \$400,000.
3. Conservation-Based Rates component:
 - a. Each of the five remaining retail water agencies³ will adopt conservation-based rates.

¹ Retail water agencies that decided not to adopt conservation-based rates include Cucamonga Valley Water District and the cities of Garden Grove and San Jacinto.

² Expansion of the cloud based services can include the addition of other data layers besides the landscape measurements, issuing individual ESRI licenses to new users, and/or lengthening the term of the ESRI contracts.

- b. CV Strategies will utilize their entire \$25,000 contract.
 - c. Each of the three retail water agencies who have not adopted conservation-based rates will invoice for their full first phase allotment of \$107,515.
- 4. Web-Based Information Tool component:
 - a. EagleView will invoice SAWPA approximately \$1,000,000 instead of their their full \$1,500,000 contract due to completing implementation with just the remaining eleven retail agencies.
- 5. Turf Removal component:
 - a. SAWPA member agencies, the Municipal Water District of Orange County and Rancho California Water District will invoice for their full grant allocation as shown in their SAWPA contracts.
 - b. Some or all of those agencies will utilize the \$83,605 contingency that was added to the component per Committee memo 2017.14. Since some turf projects are incomplete, the contingency was included in case individual turf removal projects had final costs that exceeded their pre-implementation estimates.
- 6. SAWPA Funding:
 - a. SAWPA staff will utilize the \$868,393 projected in Committee memo 2017.14 for the purposes of PA 22 Committee and advisory workgroup management, implementing the five components and grant administration.

SAWPA staff has discussed various alternatives for using the projected grant savings with the advisory workgroup at their January 8 meeting and the SAWPA member agency general managers at their January 9 meeting. These include:

- Conservation-Based Rates Component:
 - Providing additional funding incentives to all the remaining retail water agencies.
 - Providing additional funding incentives to the remaining retail water agencies with an allocation based on high percentage of their service area is designated as disadvantaged communities..
- Turf Removal:
 - Expanding the existing component by providing additional funds for existing project types such as HOA and public agency turf removal.
- Sustainable Landscape Program⁴ (Not part of Emergency Drought Grant Program)
 - Provide funding to SAWPA and the 15 to 20 Commercial, Industrial and Institutional customers throughout the Santa Ana River Watershed who have registered for turf removal on their properties. This program would deviate from the original intent of the existing grant by now including “commercial” development turf removal and would further require a DWR grant amendment.

³ Remaining retail water agencies include the cities of Rialto, Tustin, Hemet, Chino, and Chino Hills.

⁴ The Sustainable Landscape Program is an evolving partnership in discussion between SAWPA, the Pacific Institute and CA Forward. It has been presented to the SAWPA member agency general managers and their staff, but has not been presented to the SAWPA Commission. A presentation describing the program is attached.

SAWPA staff is investigating these options in more detail and will have more information to present during the January 25, 2018 PA 22 Committee meeting.

CRITICAL SUCCESS FACTORS

The following OWOW critical success factors are addressed by this action:

1. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
2. Data and information needed for decision-making is available to all.

RESOURCE IMPACTS

Funding for the managing the Project Agreement 22 Committee discussion items will come from the Proposition 84 IRWM Drought Grant shown in the labor categories within the FYE 2018 fiscal year in the Committee's two year budget.

Attachment:

1. Presentation on the Sustainable Landscape Program

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Southern California Collective Action Projects Kick-Off Meeting

December 19, 2017

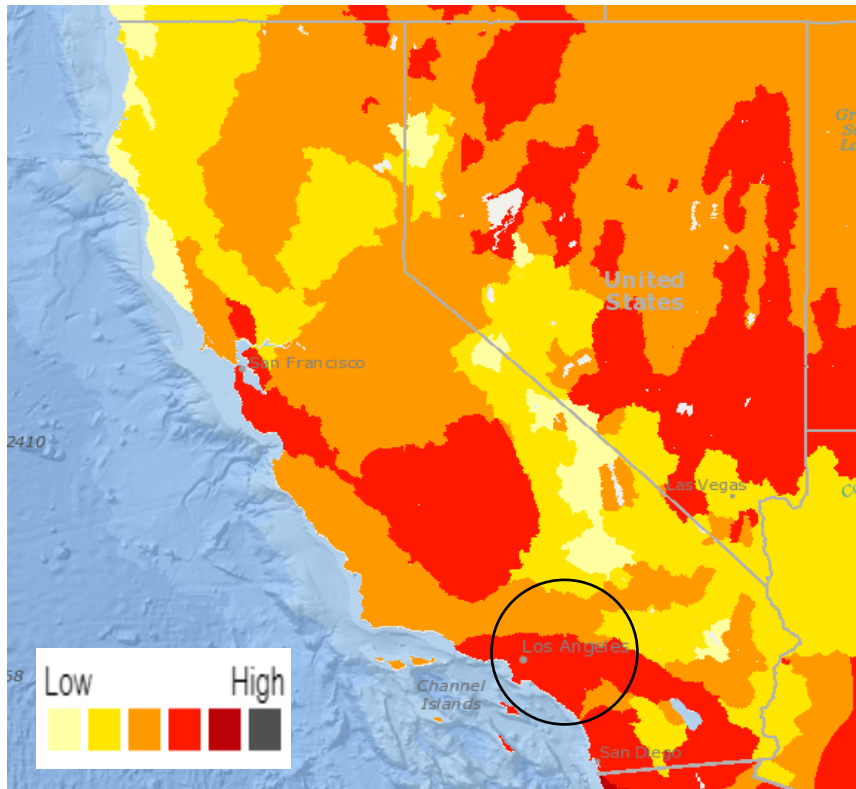
8AM – 9AM: Sustainable Landscapes

9AM – 10AM: Context-Based Water Targets



The CEO **Water** Mandate

Why Southern California?



Source: WRI Aqueduct Water Risk Analyzer

CALIFORNIA WATER ACTION COLLABORATIVE



Sustainable Landscapes: Agenda



- Project Intent
- Value Proposition
- Project Background
 - Context
 - Key Partners
- Project Logistics
 - Timeline
 - Activities
 - Funding
- Next Steps
- Questions

Sustainable Landscapes: Project Intent

This project is a collaboration with the Southern California business community to motivate the installation of landscapes on their properties that provide multiple benefits, such as enhancing stormwater capture, improving water quality, decreasing water waste, and reducing greenhouse gas emissions.



With climate change altering the timing and volume of rainfall, climate-resilient urban landscapes and water supply strategies are critical – particularly for those who depend on imported water like Southern California.

Our vision is to install, and measure the impacts of, sustainable landscapes on commercial and industrial properties to demonstrate how these interventions could contribute to water security and climate resilience in California if scaled.

Sustainable Landscapes: Value Proposition

Companies have much to gain from joining us in this innovative initiative.

- Contribute to climate resiliency for California
 - The State Water Board and the US EPA have identified urban LID and “green infrastructure” as key components of climate resilience
- Stay ahead of regulations
 - The State Water Board is incorporating low-impact development (LID) strategies into stormwater regulations; some regional boards (like LA) have already done so
- Visibly demonstrate commitment to sustainability
- Other benefits that will be explored and quantified in the project:
 - Water savings
 - Energy savings
 - Reduced flood risk
 - Reduced maintenance costs

Sustainable Landscapes: Project Background

What is a “Sustainable Landscape”?

“Green Infrastructure”

“Low Impact Development (LID)”

- 1) Bioretention & Rain Gardens
- 2) Rooftop Gardens
- 3) Sidewalk Storage
- 4) Vegetated Swales, Buffers & Strips; Tree Preservation
- 5) Roof Leader Disconnection
- 6) Rain Barrels and Cisterns
- 7) Permeable Pavers
- 8) Soil Amendments
- 9) Impervious Surface Reduction & Disconnection
- 10) Pollution Prevention & good Housekeeping

List from [State Water Board](#)



Sustainable Landscapes: Project Background

We have seen a lot of landscape conversions happening in residential yards and public spaces in cities over the past few years in California, but we see commercial/industrial (CI) properties as an area of untapped potential.



Sustainable Landscapes: Project Background

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Sustainable Landscapes: Key Organizations



Sustainable Landscapes: Project Logistics

Phase	Description	Spatial Scope	Company Involvement
1	<p>Interview companies to learn about why they have, or have not, implemented landscape changes. For companies who have, questions will focus on the motivation and ROI of those interventions, as well as hurdles they had to overcome.</p> <p>Geospatial analysis of the basin to identify areas appropriate for groundwater recharge and stormwater capture.</p>	<p>Interviews will be conducted with any interested companies in the Southern California region.</p> <p>Geospatial analysis will focus on the Santa Ana watershed only.</p>	<p>Be interviewed by project team. Share landscape plans, maintenance costs, outdoor water use data, etc.</p>
2	<p>Combine geospatial analysis with site assessments to develop a menu of sustainable landscape options for each participating facility.</p>	<p>Santa Ana watershed, with possibility to expand contingent on funding.</p>	<p>Have property assessed by a landscape designer, consider menu of options available.</p>
3	<p>Convert to a sustainable landscape.</p>	<p>Santa Ana watershed, with possibility to expand contingent on funding.</p>	<p>Select sustainable landscape design, implement conversion.</p>
4	<p>Ongoing monitoring of the new landscape and tracking of the related benefits accrued.</p>	<p>Santa Ana watershed, with possibility to expand contingent on funding.</p>	<p>Continued data sharing on water use, energy use, maintenance costs, etc.</p>

Sustainable Landscapes: Project Timeline

Phase	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Beyond 2018
1 <i>Initial analysis</i>						
2 <i>Landscape assessment</i>						
3 <i>Landscape conversion</i>						
4 <i>Ongoing monitoring</i>						

Sustainable Landscapes: Next Steps

- Send name and email of primary contact(s) for project to Cora at ckammeyer@pacinst.org
- Schedule interviews for Q1 2018
- Data sharing – more detail on this come January
- Funding and price points

Happy Holidays!

PA 22 COMMITTEE MEMORANDUM NO. 2018.4

DATE: January 25, 2018
TO: SAWPA Project Agreement 22 Committee
SUBJECT: Web-Based Water Consumption Reporting and Customer Engagement Project

RECOMMENDATION

Receive and file this status report on the OmniEarth, Inc./DropCountr Web-Based Water Consumption Reporting and Customer Engagement Project.

DISCUSSION

EagleView (formerly OmniEarth) staff was invited to present to the PA 22 Committee an update on the Web-Based Water Consumption Reporting and Customer Engagement Project. This presentation will provide a status report on the project expected to be completed in June 2018 and will highlight the following:

- Update on each of the agencies still actively participating in the program
- Discussion of the benefits achieved to date
- Review of the responses provided by participating retail agencies to a Lessons Learned Survey conducted by EagleView

Background

In September 2015, SAWPA contracted with the team of OmniEarth and Dropcountr to implement the Web-Based Water Consumption Reporting and Customer Engagement Project. This project, funded through the Proposition 84 Emergency Drought Grant, provides hands-on consultant support to retail agencies to estimate an indoor and outdoor water budget for each of their residential customers, identify those users with the greatest potential to save and communicate individualized conservation recommendations to customers. This targeted solution will allow retail agencies to optimize the effectiveness of their outreach while reducing the amount spent and monitor progress towards conservation goals to reduce water consumption.

Through extensive outreach conducted by SAWPA and the team of OmniEarth and Dropcountr twelve retail agencies have executed contracts with OmniEarth, to participate in the project. These include:

City of Brea	Monte Vista Water	City of Tustin
Eastern Municipal	District	West Valley Water
Water District	City of New Port Beach	District
City of Fullerton	City of Ontario	Yorba Linda Water
City Loma Linda	City of Rialto	District

CRITICAL SUCCESS FACTORS

The following OWOW critical success factors are addressed by this action:

Implement or construct SAWPA programs and projects OWOW Plan assigned by SAWPA Commission - SAWPA Project Agreement 22 Committee administration, WUE tasks, budget based

water rate support, aerial mapping and area measurement tasks, WUE outreach tools, SARCCUP WUE tasks.

RESOURCE IMPACTS

AI funding for the Web-Based Water Consumption Reporting and Customer Engagement Project is provided by the Proposition 84 Emergency Drought Grant.