Afternoon Session Outline

1:00 - 2:30  "One Water, One Watershed:" Integrated Regional Water Management 101
            SAWPA, Group Exercise

2:30 - 2:45  Networking Break

2:45 - 3:45  Taking Action: Connecting Jurisdictional Needs and Watershed Management
            Group Exercise

3:45 - 4:00  Closing Group Reflections
            Group Discussion
“One Water, One Watershed”: Integrated Regional Water Management 101

Danielle Dolan
Water Program Director

Watershed Ambassador Program
September 2019

Santa Ana River Watershed Ambassador Program for Local Policymakers
Workshop One: Getting to Know Your Watershed

Organized by:

Certified by:

Local Government Commission
Leaders for Livable Communities

SAWPA
In Concept:
Integrated planning and management on the watershed scale...
In Practice: Integrated Regional Water Management the planning & funding program...
How interconnected are we?

- Discreetly choose two individuals in the room as your points of reference.
  - Do not let them know who they are.
  - Do not let anyone else know who they are.
How interconnected are we?

- Discreetly choose two individuals in the room as your points of reference.
  - Do not let them know who they are.
  - Do not let anyone else know who they are.
- Discreetly move to a point equidistant from your two reference individuals.
  - Don’t give away any information!
Back to your seats, thinking about...

- Complexity of systems
- Interdependency of elements
- Inherent delay of reaction
Systems Thinking
Systems Thinking Can Lead to New Outcomes

Traditional Thinking

You wonder how you can stop feeling so tired every day.

**NOT A SYSTEMS THINKER**

- Decide to drink more coffee to increase energy.

**A SYSTEMS THINKER**

- List all factors that are involved with your tiredness.
- Diagram how drinking coffee affects your energy as well as sleep.
- Identify that coffee interferes with your sleep and that makes you more tired.
- Decide to stop drinking caffeine.

Systems Thinking
Habits of a Systems Thinker

- Seeking to understand the big picture
- Seeing patterns/trends in systems
- Recognizing how a system’s structure causes its behavior
- Identifying cause and effect relationships
- Surfacing and testing assumptions
- Finding where unintended consequences might arise
- Finding leverage points to change a system
- Resisting making quick conclusions
Social-Ecological Systems

- **Social-ecological systems** - linked systems of people and nature
- Humans are part of nature
- Delineation between social and ecological systems is artificial and arbitrary

Sustainable Development Update 1(8), 2008
MAN above all else . . .
EGO

ECO

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Small Scale: Feedback Loops

Problem: Why am I tired all the time?

- Going to sleep late
- Being tired in the morning
- Getting to school late
- Tired so more stuff to do after school (such as finish class work)

When one factor changes (increases or decreases), how does it impact another related factor?

A → B → C → D → A
Building the System: Causal Maps

You wonder how you can stop feeling so tired every day...

- Drinking coffee
- Feeling tired everyday
Mapping the System...
What is a common water problem in your community?
First, take a few minutes on your own to consider the following questions.

Complete this worksheet on your own first before working together as a group.

**Mapping a System**

What is a common water problem in your community?

What are the causes of this issue?

How can we address this problem in the short-term?

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Group Work: Mapping the System

Write the problem in the center of the easel pad.

List these factors around the center of your piece of paper.

Leave space.
Draw arrows between factors that seem related.

Draw your arrows. *(they can go both ways!)*

Add “−” and “+” to show relationships between factors.
Analyzing the System...

- How does your systems map compare with the initial thoughts you wrote down?
- What will be the greatest challenges?
- What leverage points / opportunities exist?
  - Who are the key organizations and individuals responsible for decision-making and leveraging change on this topic?
  - How might your plan interrelate with other issues? Regions? Sectors?
“One Water:”
A Prelude to IRWM
Traditionally, we thought of water as “good” or “bad” - beneficial or harmful.

This divide is echoed in the infrastructure we built (think back to the social-ecological system).
• Pipes and Pumps
• Peaked roofs, paved schoolgrounds
• Concrete streams
• Left us aliens on the landscape
We are now taking steps to redesign our infrastructure to manage “one water.”
IRWM and OWOW: What You Need to Know
IRWM/OWOW is a funding mechanism to facilitate the new way of thinking and collaboration.
What is IRWM and how does it work?
SAWPA administers the IRWM program through OWOW
Create Anew
A shared vision of a healthy productive watershed

Collaboration
Across Boundaries
Citizens of the watershed, finding multi-jurisdictional solutions

Adopt Systems Approach
Problems are interrelated, seek synergies, create catalysts
OWOW Plan Update 2018

- 28 month effort
- 100+ authors
- 100+ collaborative meetings
- Six goals
- 100+ recommended management and policy strategies
- 400 pages (including appendices)
Stakeholders gathered to build upon the work of OWOW Plan, and OWOW 2.0 Plan

What are the shared vision, goals and objectives across the entire watershed?

Now, what are our strengths, opportunities, and challenges?

To achieve our vision, our goals, what should we do?

How do we allocate available resources to our most critical needs?

What can be achieved if we are successful?

How can we pay for and track the successes of our efforts?
The Orange County IRWM Plan

http://ocpw.maps.arcgis.com/apps/MapSeries/index.html?appid=352d3def5e2b4ee39f8f89f4511143fe
The Disadvantaged Communities Involvement (DCI) Program

But first - quick note on the term “disadvantaged community:”

It is a state-defined term - not an identity.
Avoid pronouncing “DAC” as “dack.”

Alternate terms:
• underrepresented
• overburdened
• structurally disempowered
The Disadvantaged Communities Involvement Program

**Project Partner**
- CSU Fullerton
- CSU San Bernardino
- California Rural Water Agency
- Local Government Commission
- SAWPA and CivicSpark

**Diagram**
- Education & Engagement
- Strengths & Needs Assessment
- Project Development
Santa Ana River
Watershed Ambassador Program
for Local Policymakers
Networking Break
Reconvene at 2:45
Taking Action: Connecting Jurisdictional Needs and Watershed Management

Emily Finnegan
Water Project Associate

Watershed Ambassador Program
September 2019
What is the role of local government in meeting our local, regional, and state water challenges?
What We Learned

**Strengths**
- Resilient communities
- Open public space
- Diversity

**Needs**
- Coordination & Communication
- Housing & Affordability

“There are so many messengers when it comes to water [...] People don’t know who to turn to.”

“We not only have our pollution to deal with [...] but we deal with everybody else's air pollution. When it rains, we then get the acid rain that eats through concrete, kills our trees, and gets into our vegetation, and gets into mothers’ milk.”

“If [the water] is underground, we ignore it.”
You Are Representatives of the Watershed
Key Actors in Affecting Systemic Change

[Logos of SAWPA, California Rural Water Association, Local Government Commission, UC Irvine, California State University Fullerton, and California State University San Bernardino]
Reviewing “Connections” and “Disconnections”...

**Connections** → Similar experiences and/or alignments in perspective

**Disconnections** → Experiential distinctions; different understandings of the issue
In Your Groups...

1. Select one “Connection” or “Disconnection” within the theme. How does this issue impact your agency?

2. Who in your agency is responsible for addressing this issue (departments, specific staff, etc.)?

2. What other agencies, jurisdictions, departments, organizations, or staff members may be equipped to help address this issue?

2. List 1-2 immediate next steps you could take to engage these individuals on this topic.
What is the role of local government in meeting our local, regional, and state water challenges?

How ready is your government to meet this challenge?

What are common themes?
What were some of the differences?
SAWPA DCI Resources

TRANSLATION SERVICES

On-call translation services are now available for public sector and nonprofit partners in the Santa Ana River Watershed.

Services cover translation of water-related public meetings* and documents.

Languages in the watershed include, but are not limited to: Spanish, Vietnamese, Korean, Chinese, Tagalog, and American Sign Language.

Could you use fully funded interns?

Does your water-related project support members of disadvantaged communities?

Join the Community Water Internship.

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SAWPA Technical Assistance Funding

Technical Assistance

Of the $6.3 million awarded to the DCI grant program, $2.9 million have been set aside for the provision of Technical Assistance (TA). The purpose of these monies is to support the development of projects and programs that address the needs of disadvantaged and underrepresented communities.

The TAC meets monthly to oversee the implementation of the DCI grant and, starting in the summer of 2019, to review and approve technical assistance projects throughout the watershed. These projects seek to encompass and address the opportunities and challenges outlined in the Community Water Ethnography Report and SAWPA’s OWOW Plan Update 2018. A set of Criteria for TA allocation have been approved and can be viewed on the Criteria page.

Voting Members

Voting members of the TAC include one representative from each of the SAWPA DCI program partners:

- California State University, San Bernardino
- [University of California, Irvine]* TBD
- California Rural Water Association
- Local Government Commission
LGC Funding Navigation Tool & TA

Welcome to the Local Government Commission's funding guidance page. Select from the project types below to view some of the most prominent, up-to-date resources. Contact us for customized funding assistance to pursue these and other sources of funding.

- Active Transportation
- Drinking Water Supply & Quality
- Local Street Repair
- Parks
- Public Transit & Shared Mobility
- Wastewater Management
LGC Report: Equitable Water & Land-Use Integration
Closing Remarks

Danielle Dolan
Water Program Director
Reflections

Share:
• One thing you learned,
• One thing you’re hopeful for,
• One thing you’ll bring back to your team.
Feedback

• Who else needs to be at these workshops?

• What should we consider for the future workshops?
Santa Ana Watershed Ambassador Program

September 2019: Understanding Your Watershed

January 2020: Collaborative Planning in the Face of Uncertainty

April 2020: Communicating the Value of Water to Your Constituents
Watershed Ambassador Certification

REGISTER NOW!