

Workshop:
*Enhancing Interagency Collaboration for
Bay Area Water Reuse*



B A C W A
BAY AREA
CLEAN WATER
AGENCIES

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Interagency Collaboration Workshop Team



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Former Manager, Water Quality Standards and Assessment Section, Region IX EPA*



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Eric Rosenblum PE
Water Resource Consultant

Workshop Objectives

- Apply the framework developed through the National Water Reuse Action Plan to water reuse opportunities in the Bay Area.
- Encourage focused discussion among Bay Area partners about their incentives and obstacles to developing recycled water projects.
- Help Bay Area agencies work together to **accelerate the speed and scale of water reuse projects** in the face of climate change.

Workshop Approach

- Recognize strategies of existing Bay Area water reuse partnerships.
- Compare Bay Area programs to case studies of other US regions.
- Provide a framework for enhancing interagency collaboration.
- Acknowledge different drivers among water, wastewater agencies.
- Align agency political, economic, and regulatory issues and incentives
- Facilitate small group discussion among agency partners.

USEPA National Water Reuse Action Plan

- **Released February 2020** *“to advance consideration of water reuse to ensure the security, sustainability, and resilience of our nation’s water resources.”*
- **Action Item 2.16:** *“Support Local and Regional Reuse Projects by Identifying Challenges, Opportunities and Models for Interagency Collaboration”*



5 Multi-Agency Case Studies



Potomac Aquifer Recharge Oversight Committee



**Occoquan Watershed
Monitoring Laboratory**
Director

**Non-Voting
Members**



One local government
representative from
groundwater dependent
locality



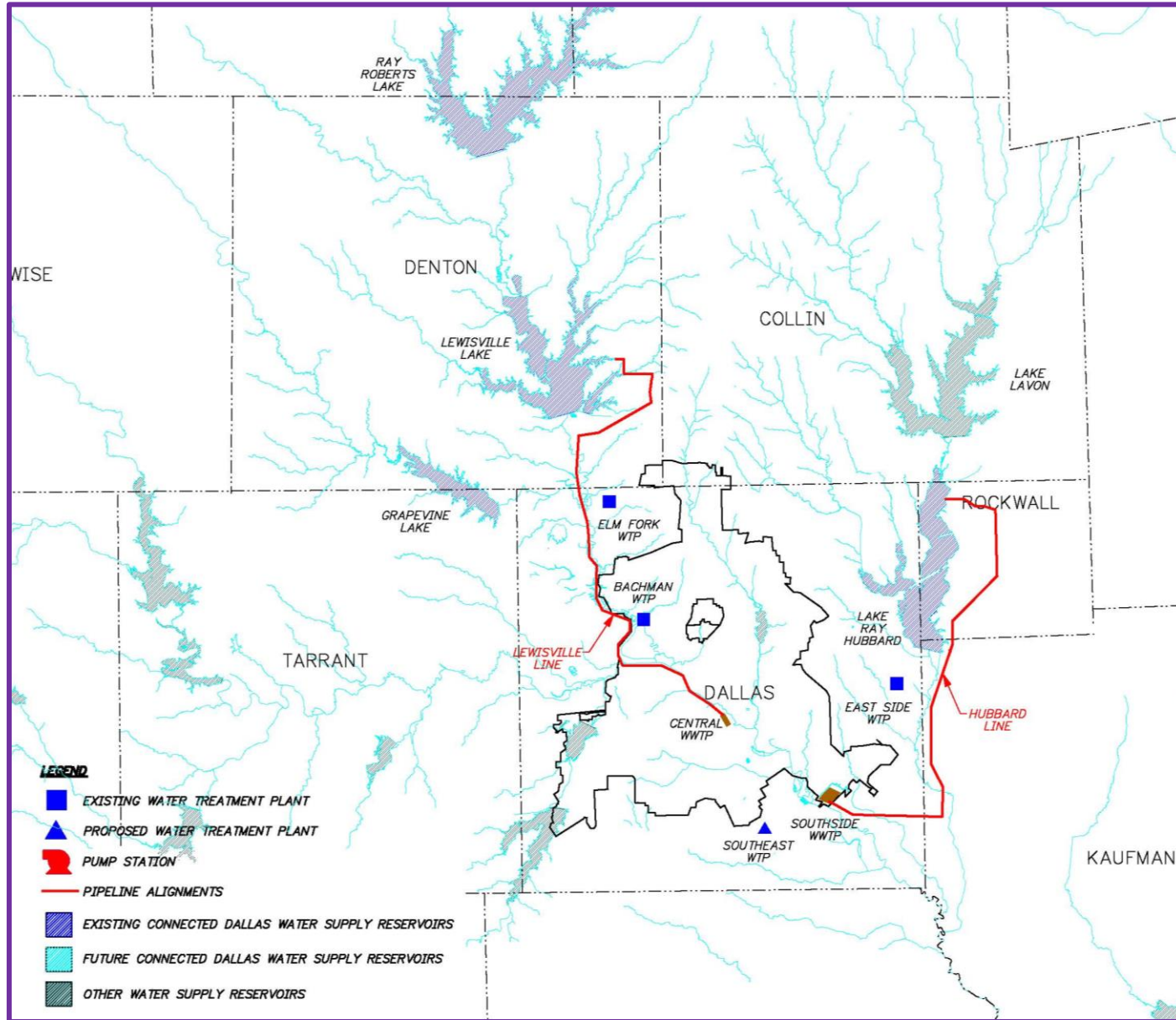
One practicing
physician within
HRSD service area

**Potomac Aquifer Recharge Monitoring
Laboratory**

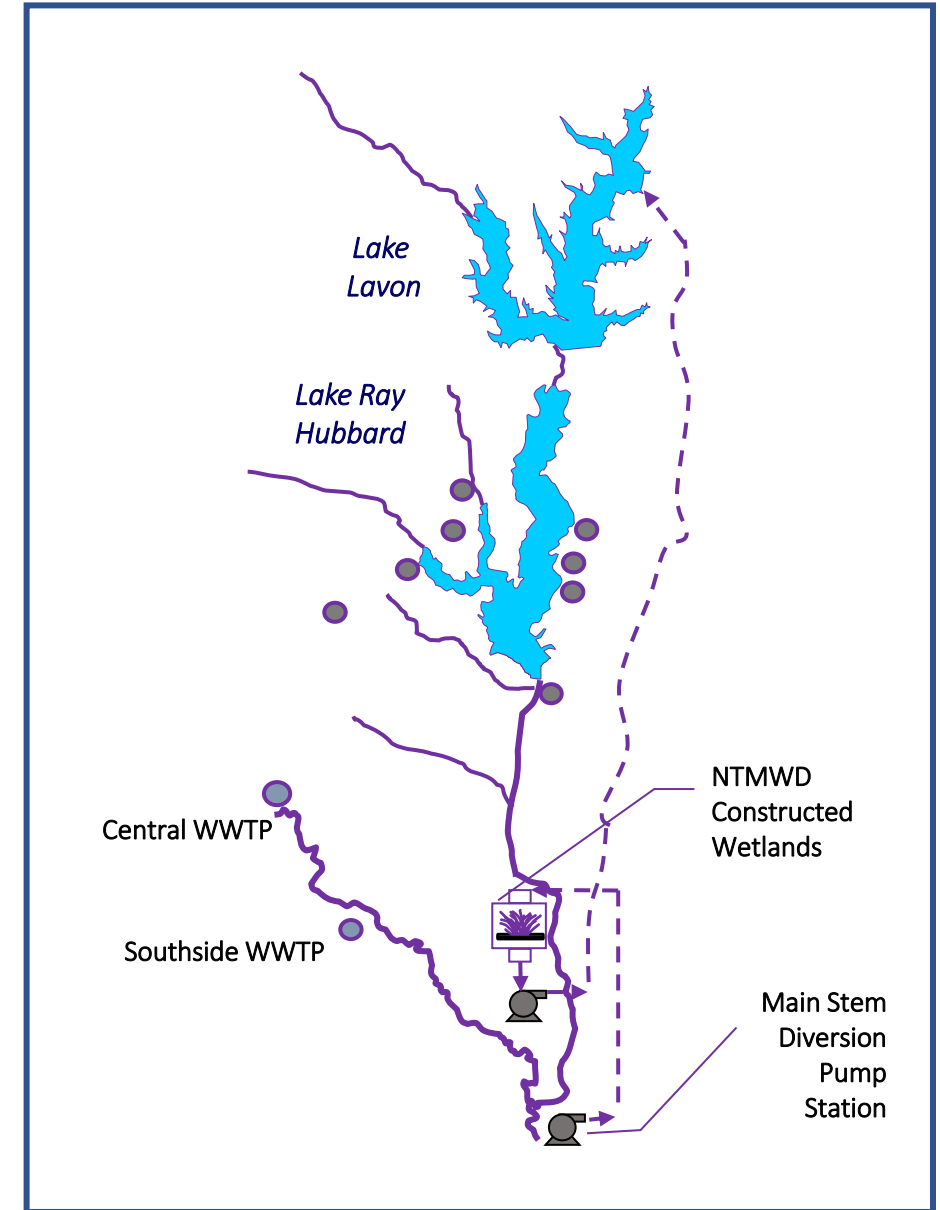


Co-Directors

2000 Recycled Implementation Plan



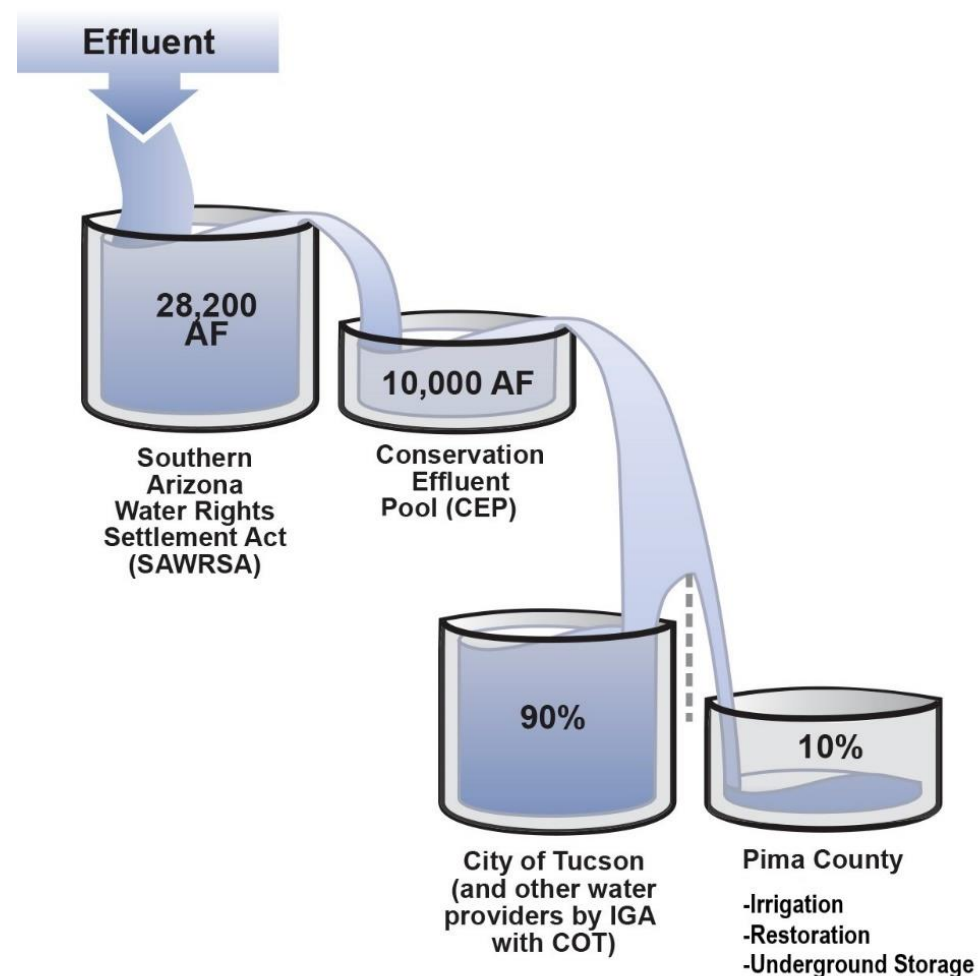
"Swap" Agreement



Water sharing agreements in Pima County

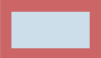





Effluent shared through several intergovernmental agreements between:

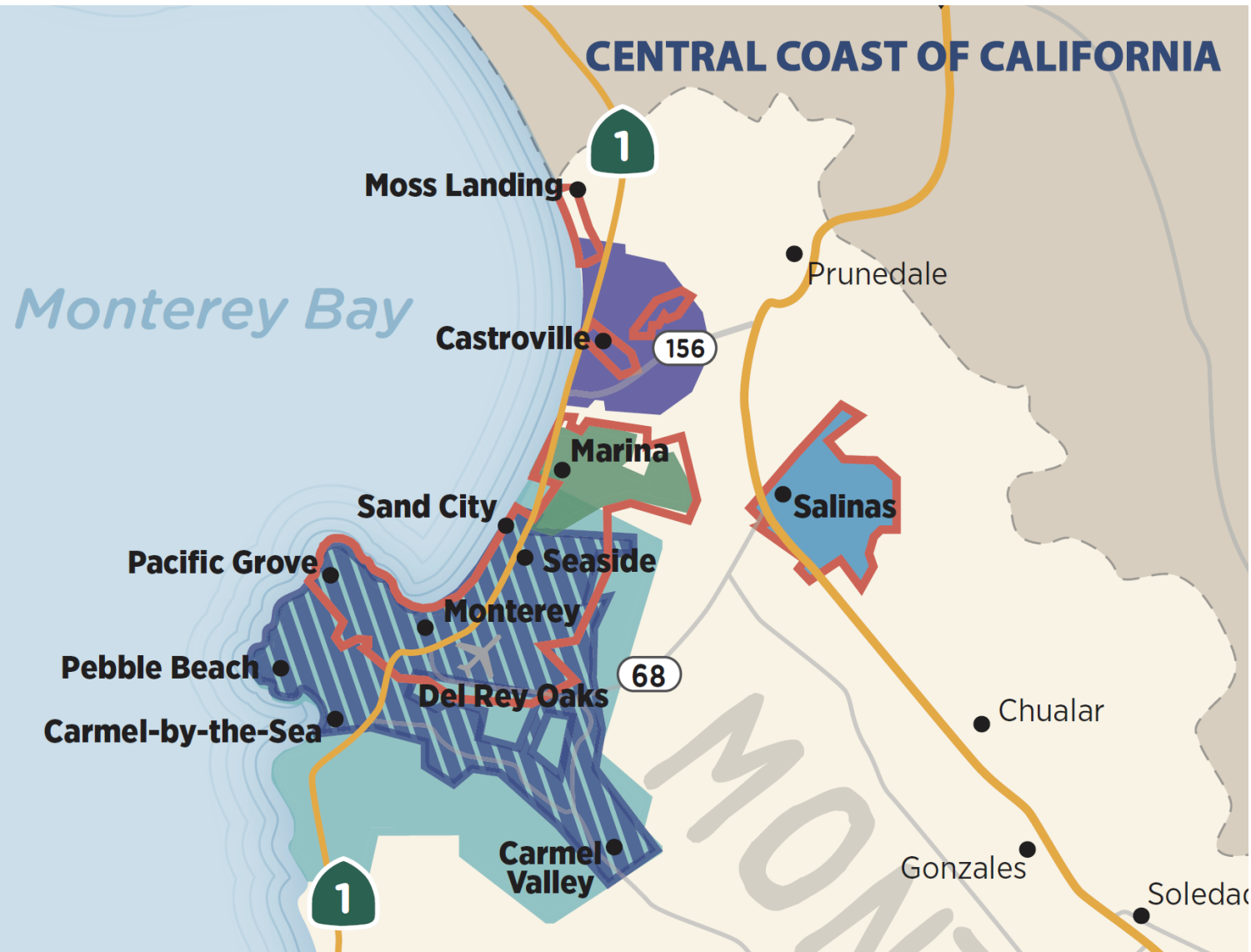
- City of Tucson
- Pima County
- Sovereign Tribes





PURE WATER MONTEREY PARTNERS

 Monterey One Water		
Wastewater and Water Recycling	Public	Connections: 60,000
 Monterey County Water Resources Agency		
Water Resource Management	Public	Zone 2B: 12,000 acres
 Marina Coast Water District		
Wastewater Collection and Water Purveyor	Public	Connections: 9,700
 City of Salinas		
Municipality / Stormwater Partner	Public	Population: 161,000
 Monterey Peninsula Water Management District		
Water Resource Management	Public	Population: 112,000
 California American Water		
Water Purveyor	Private	Connections: 40,000



Southern California Regional Connections

- City of Los Angeles
 - Los Angeles DWP
 - LA Sanitation
- Water Replenishment District of Southern California
- Metropolitan Water District
- LA County Sanitation District



AWT—advanced water treatment, JWPCP—Joint Water Pollution Control Plant, MWD—Metropolitan Water District

The program covers a large geographic area and includes elements such as a new advanced water treatment facility, 60-mile pipeline, and pump stations.

Governance Lessons: Change Demands Collaboration

- Community **needs evolve more quickly than the institutions** created to serve them
- To reuse water, utilities may need to develop relationships that **stretch their institutional mandates** .
- Collaboration involves reassessing organizational purpose, structure, and goals.



Regulatory Lessons: Regulations can drive sustainability

- Review the **regulatory landscape**
- Engage regulators in the vision, not just the permit
- **Strategic regulations** can be your friend; strategic regulators keep their eyes on the results



Economic Lessons: Take advantage of economies of scale and scope

- Agencies with **overlapping service areas** realize that customers pay their bills out of “separate pockets in the same pair of pants.”
- Utilities can combine responsibilities to capture, treat, and reuse water more efficiently and achieve “**economy of scope**”
- Agencies can **recognize community benefits** and avoided costs when projects span jurisdictional boundaries



Management Lessons: Take time to build trust

- **Mutual recognition** of individual agency benefits and constraints—as well as the greater good.
- **Pilot projects** can help managers **build trust** to promote shared responsibility.
- **Improve formal communication with informal relationships:**
“Let’s do lunch!”



Leadership Lessons: Balance short-term, long-term needs

Successful leaders:

- Meet the **immediate needs** of their ratepayers
- Provide services whose **long-term value** extends beyond their boundaries.
- **Communicate the benefits** of long-term, regional planning to their constituents



IWA World Water Conference and Exhibition September 2022 (Copenhagen, Denmark)

World Water Congress & Exhibition 2022

11 – 15 September 2022 | Copenhagen, Denmark



TODAY'S PRESENTERS



- Shannon Spurlock, Senior Researcher—Public Policy & Practice Uptake, Pacific Institute (United States)
- Eric Rosenblum, Principal, Water Resource Consulting (United States)
- Hans-Martin Friis Møller, CEO, Kalundborg Forsyning (Denmark)
- Mads Leth, CEO, VCS Denmark (Denmark)

IWA Biennial Water Reclamation and Reuse Conference January 2023 (Chennai, India)

13th IWA International Conference on
Water Reclamation and Reuse
January 15 – 19, 2023 | ITC Grand Chola, Chennai, India



Collaboration Workshop: The Key to Successful Water Reuse Projects

Multi-agency Water Reuse Programs: Lessons for Successful Collaboration

- Eric Rosenblum PE, Water Resource Consultant (USA)
- Shannon Spurlock, Pacific Institute (USA)

Overcoming the Challenges of Growth and Climate Change

TODAY'S PRESENTERS



Shannon Spurlock—Senior Researcher for Public Policy & Practice Uptake, Pacific Institute (United States)

Eric Rosenblum—Principal, Water Resource Consulting (United States)



Prof. Ligy Philip—Nita and K.G. Ganapathi Chair Professor, Department of Civil Engineering, Indian Institute of Technology Madras

Pierre van Rensburg—Strategic Executive, Urban and Transport Planning, City of Windhoek



Dr. Akiça Bahri—Professor, National Agricultural Institute of Tunisia; former Minister of Agriculture, Water Resources and Fisheries

Overcoming the Challenges of Growth and Climate Change

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Workshop Insights

- Utilities all over the world need to work together, and many are actively seeking partnerships
- **Climate change adaptation requires local, regional and national institutions to coordinate both policy and practice**
- Collaboration connects leaders and communities—“grass roots and grass tops”—for integrated water management
- Every successful example of collaboration features at least one notable leader

Potential participating associations

- WRAP Team
- BACWA
- BAWSCA
- BARR (Valley Water, SFPUC)
- Alameda County LAFCO
- EPA Region IX
- SF Bay RWQCB