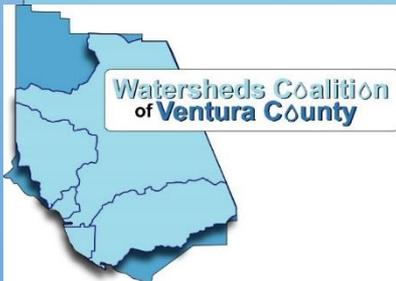




COUNTDOWN TO SUSTAINABILITY
VENTURA COUNTY'S PROGRESS TOWARD SGMA IMPLEMENTATION

SILVER LININGS

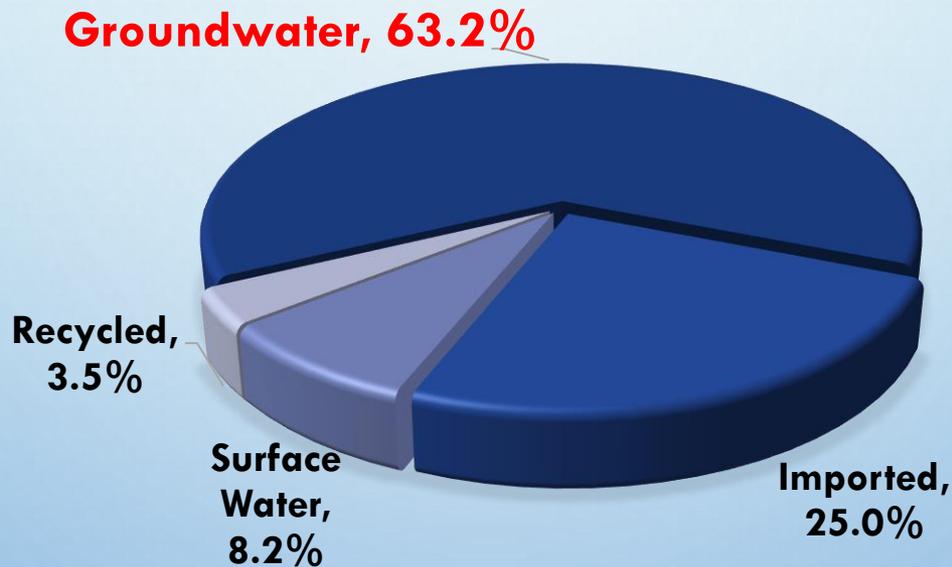
November 15, 2017
Lynn Rodriguez



TOPICS

- ◆ Intro
- ◆ Highlights of Groundwater in our Region
- ◆ Integrated Regional Water Management (IRWM)
 - ◆ Process
 - ◆ Projects
 - ◆ Funding
- ◆ Water Supply Augmentation
- ◆ Future Funding Opportunities
- ◆ Tools and Resources

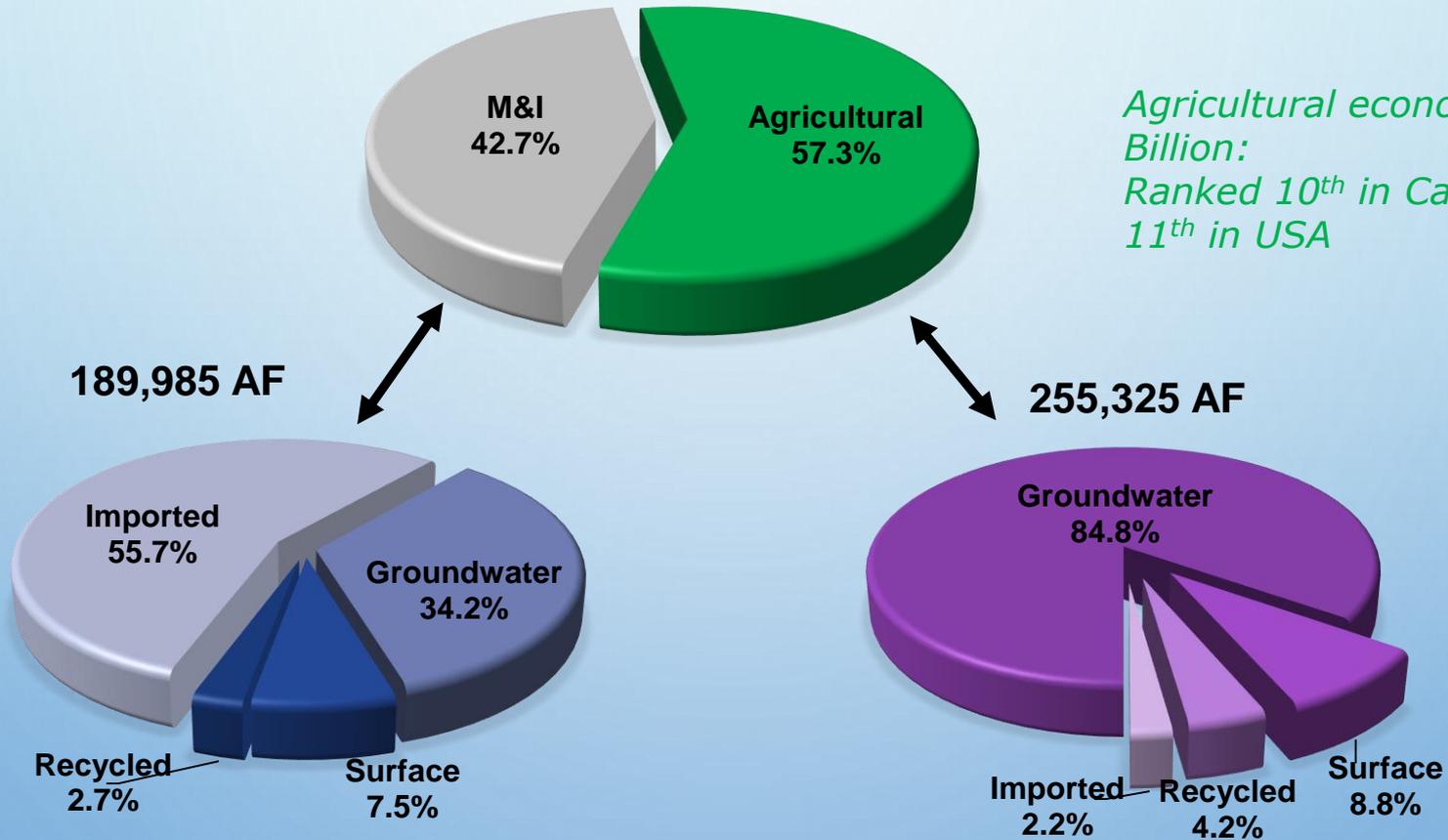
WATER SUPPLIES IN VENTURA COUNTY



Source: County of Ventura 2013
Water Supply and Demand: Hydrometrics

2013 DEMAND = 445,310 ACRE-FEET

M&I AND AGRICULTURAL WATER SOURCES 2013



*Agricultural economy: \$2.2 Billion:
Ranked 10th in California,
11th in USA*

Source: County of Ventura 2013
Water Supply and Demand: Hydrometrics

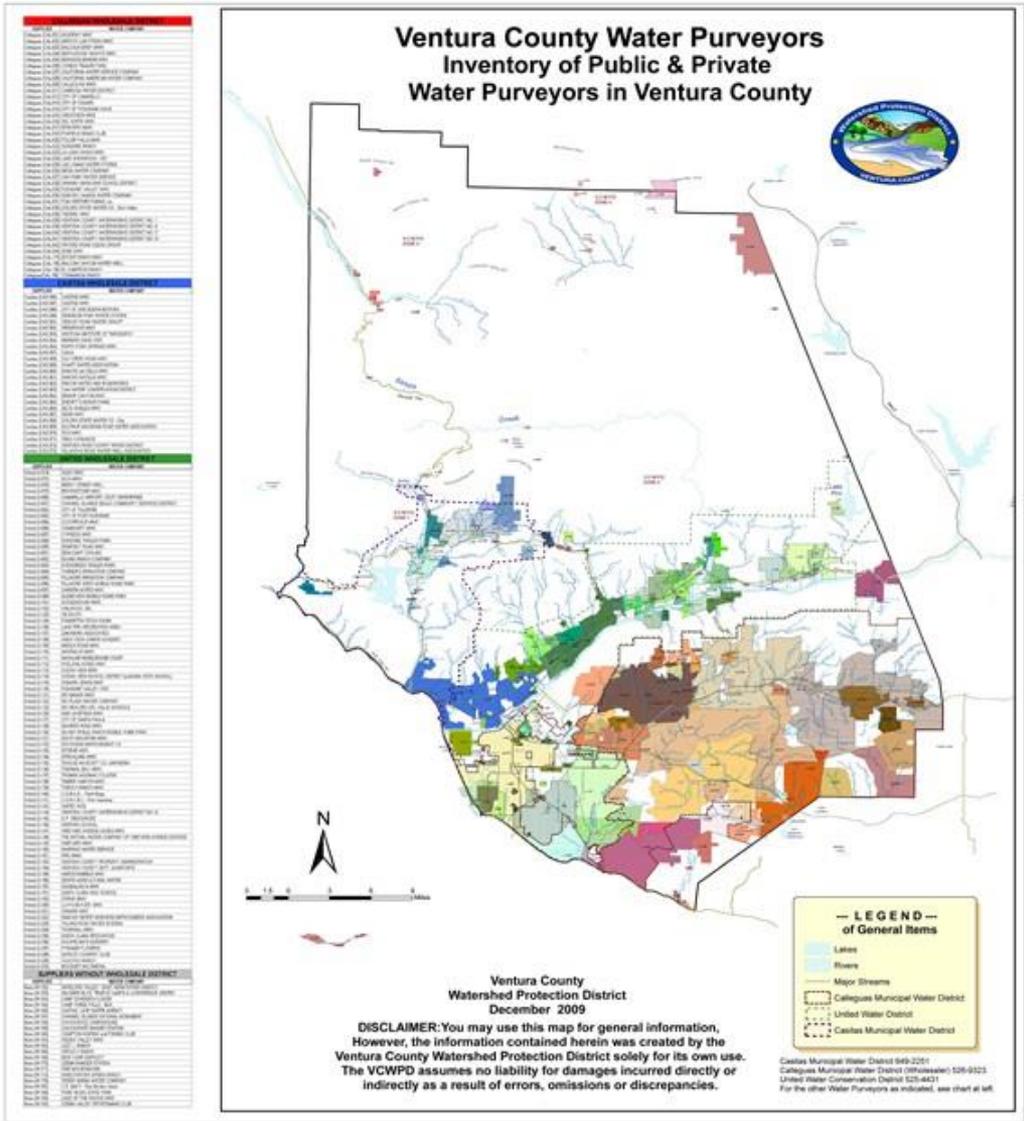


Figure 3-6

Wholesale Water Districts and Water Purveyors
WCVV IRWM Region

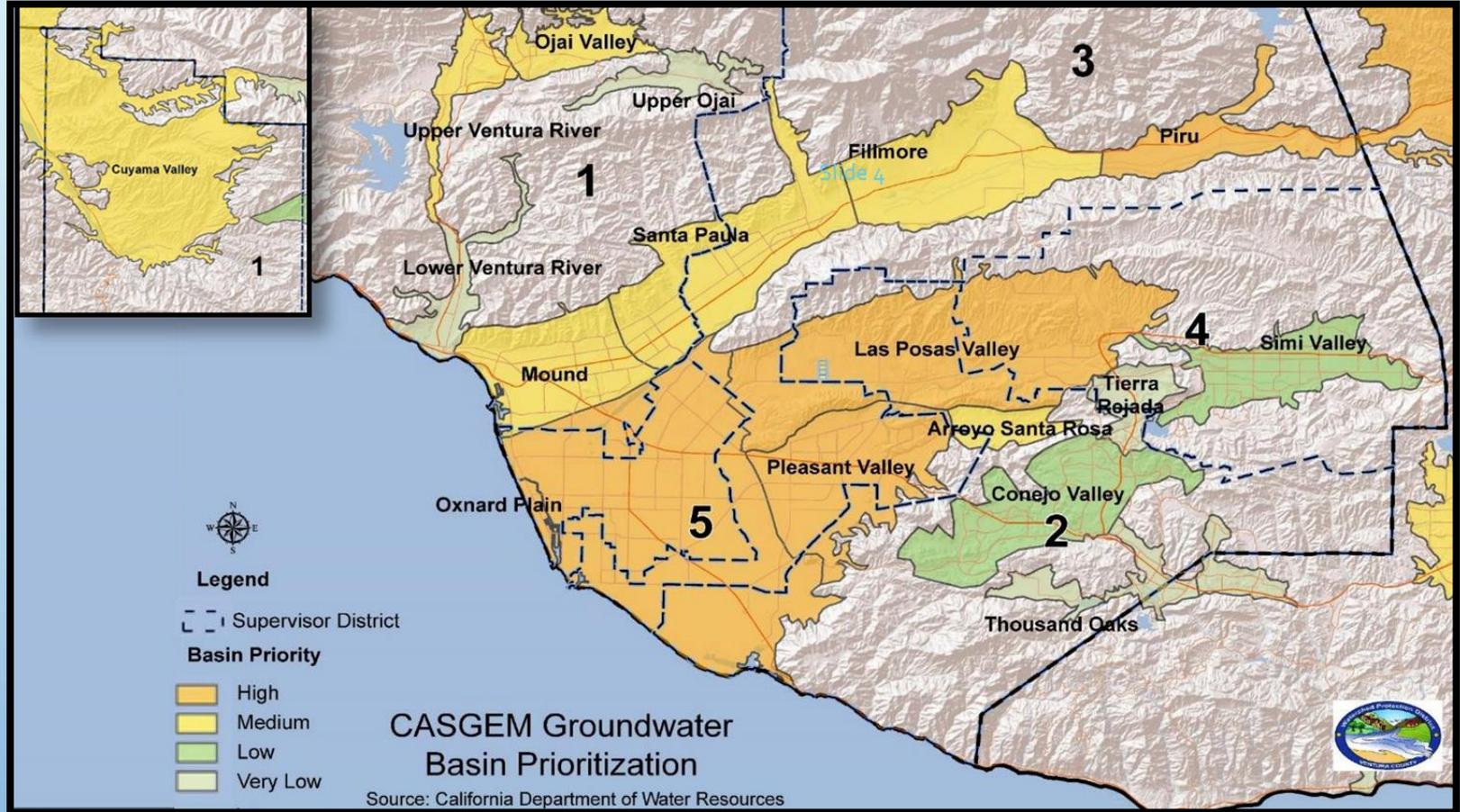


More than 160 Total Water Purveyors

- 3 Wholesale Water Districts
- **122 Mutual Water Companies** (mostly groundwater)
- Dozens of retail water providers including special districts, cities and investor owned utilities

Watersheds Coalition
of Ventura County

Priority Groundwater Basins in Ventura County



Basin priority	High	Med	High and Med	Critically Overdrafted
Ventura	5 (11.6%)	7 (8.3%)	12 (9.4%)	3 (14.3%)
Statewide	43	84	127	21

GSAs BY WATERSHED

Calleguas Creek Watershed

- Arroyo Santa Rosa GSA
- Fox Canyon GMA – Las Posas (East, West and South) Basins

Santa Clara River Watershed

- Fox Canyon GMA – Oxnard Plain and Pleasant Valley Basins
- Mound GSA
- Fillmore and Piru Basins GSA
- Santa Paula Adjudicated Groundwater Basin

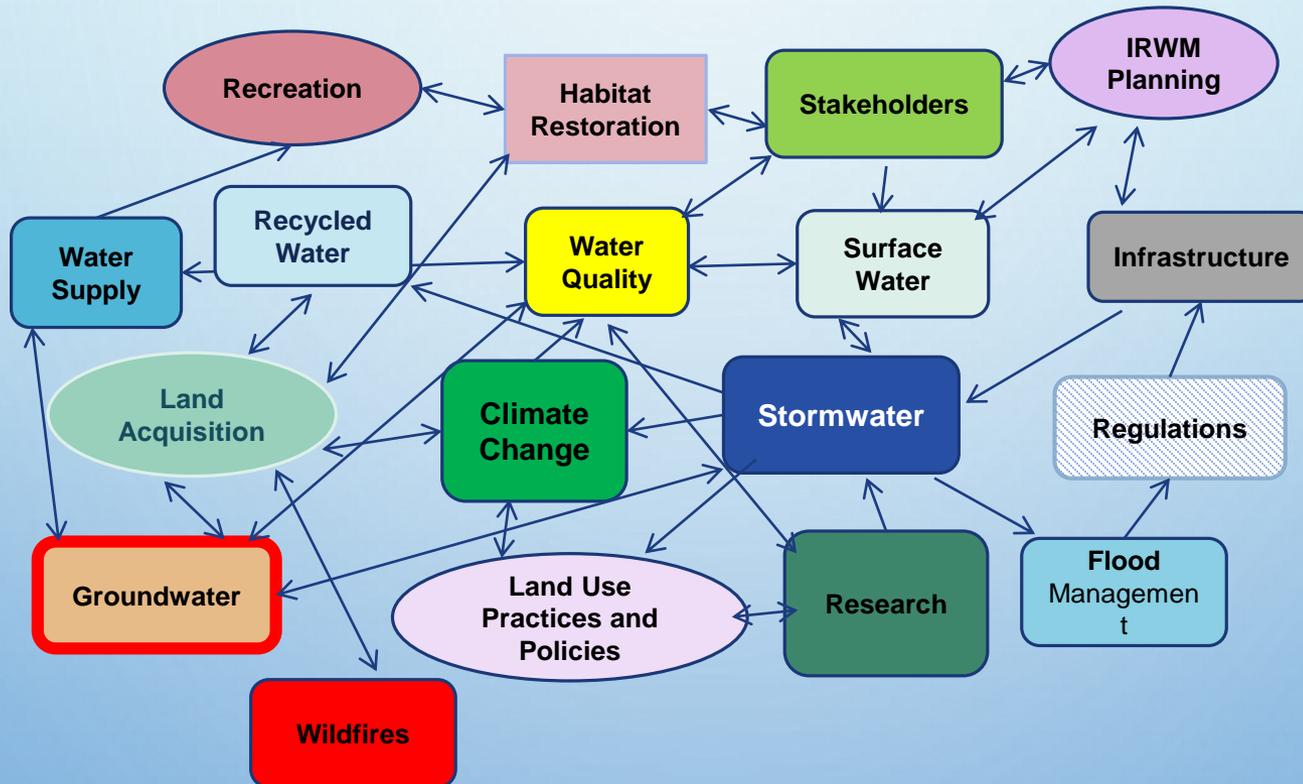
Ventura River Watershed

- Ojai Basin GMA
- Upper Ventura River GSA

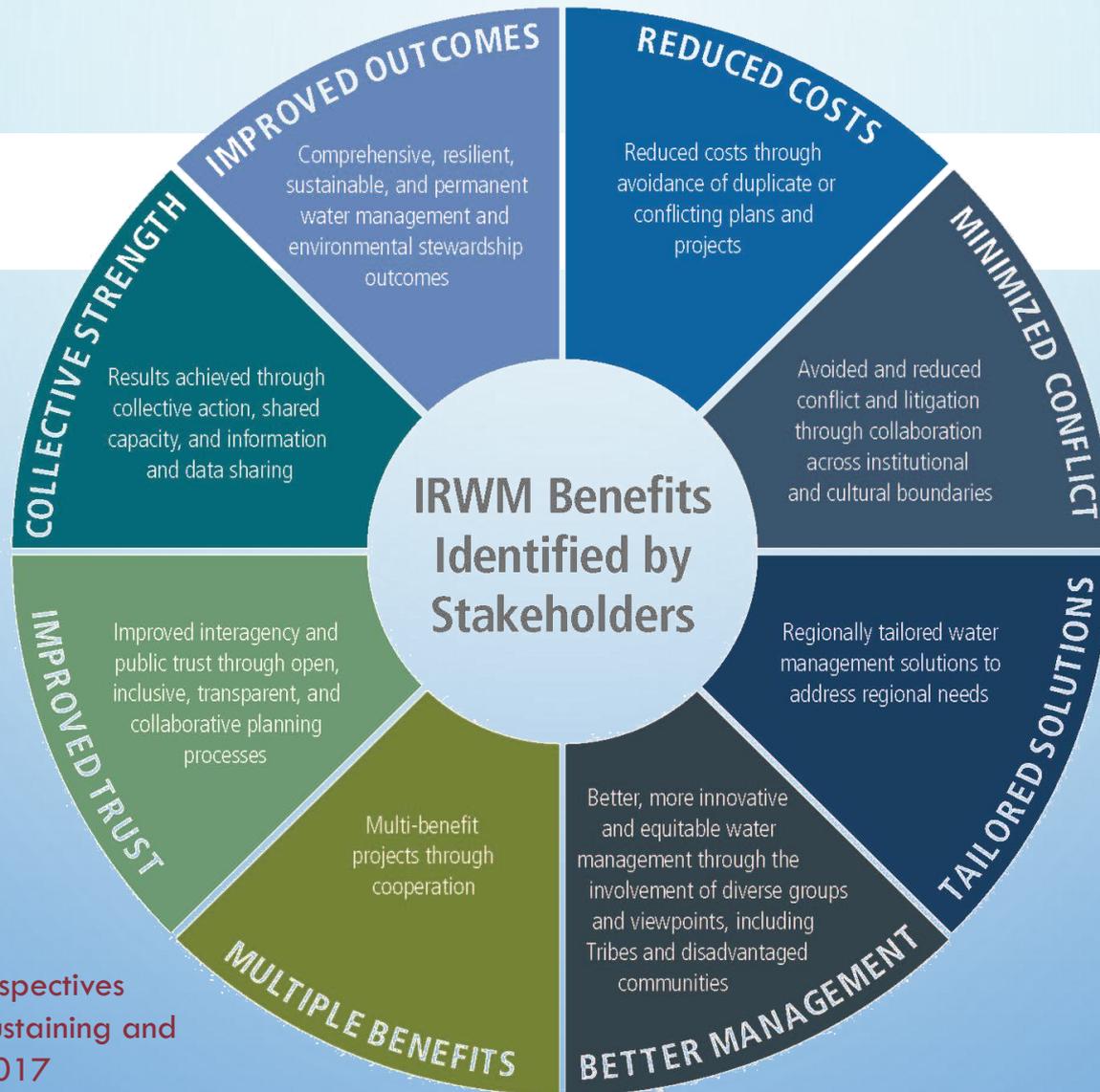
WHAT IS IRWM?

- ◆ Collaborative effort to manage all aspects of water resources in a region
- ◆ Crosses jurisdictional, watershed, and political boundaries
- ◆ Involves multiple agencies, stakeholders, individuals, and groups
- ◆ Attempts to address issues and differing perspectives through mutually beneficial, integrated solutions

INTEGRATED REGIONAL WATER MANAGEMENT: CONNECTIONS



IRWM BENEFITS



Source: Stakeholder Perspectives
Recommendations for Sustaining and
Strengthening IRWM; 2017



WCVC IRWM PROGRAM

Diverse and Inclusive Stakeholder Engagement

Watershed and Countywide Scale Planning, Programs and Projects

Locally Funded

Collaborative Governance Structure

Consensus-Based Decision Making

Integrated Multi-Benefit Projects for Regional Sustainability

Addressing Disadvantaged and Underserved Communities

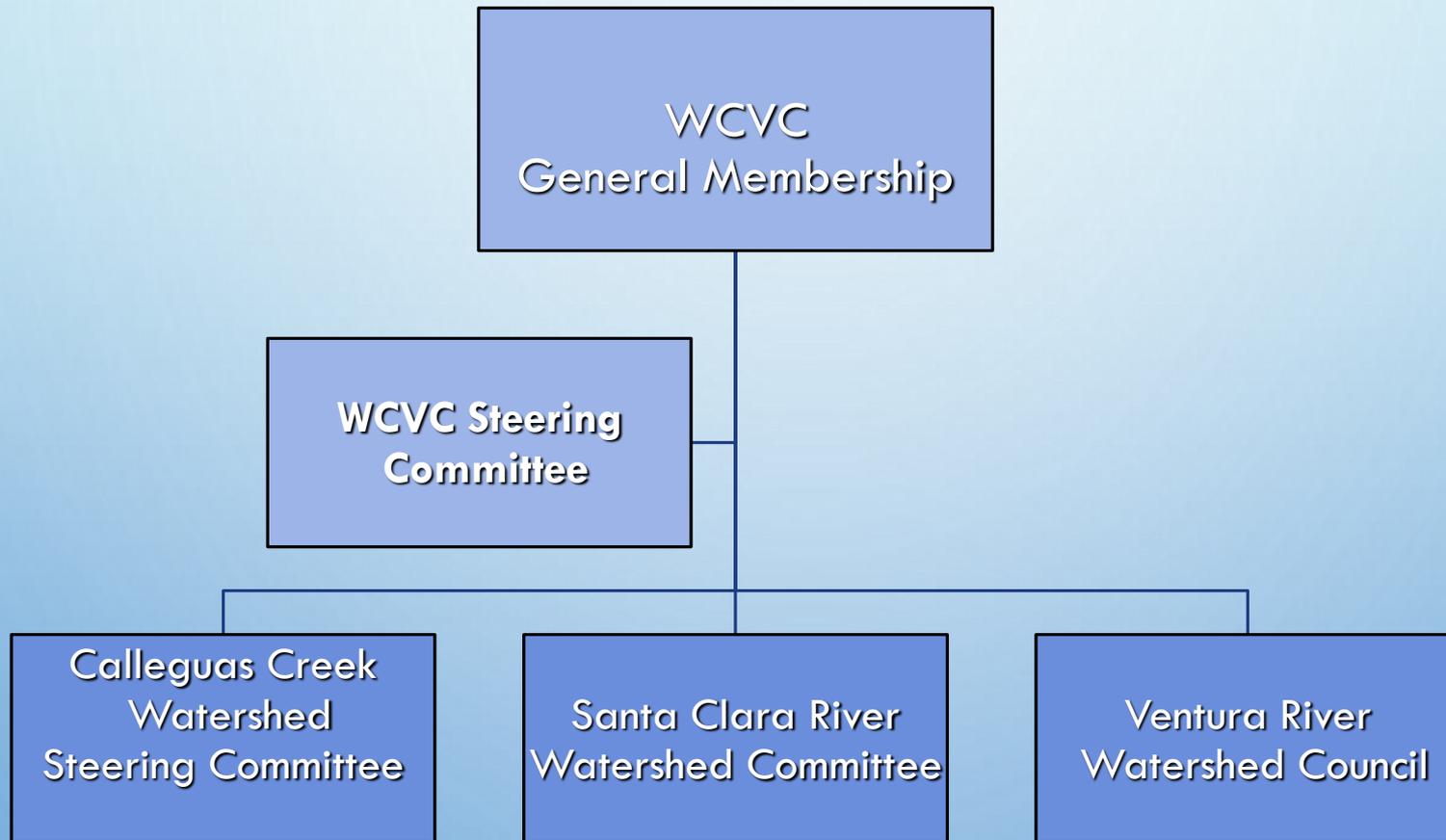
Successfully Investing State and Local Funding in Long Term Solutions

STAKEHOLDER ENGAGEMENT

- County Of Ventura
- Cities
- Wholesale Water Agencies
- Sanitation Districts
- Water Purveyors
- Native American Tribes
- Flood Management Entities
- State And Federal Agencies
- Environmental Groups
- Other Non-profits
- Land Use Planners
- Farm Bureau
- Other Special Districts
- Resource Conservation District

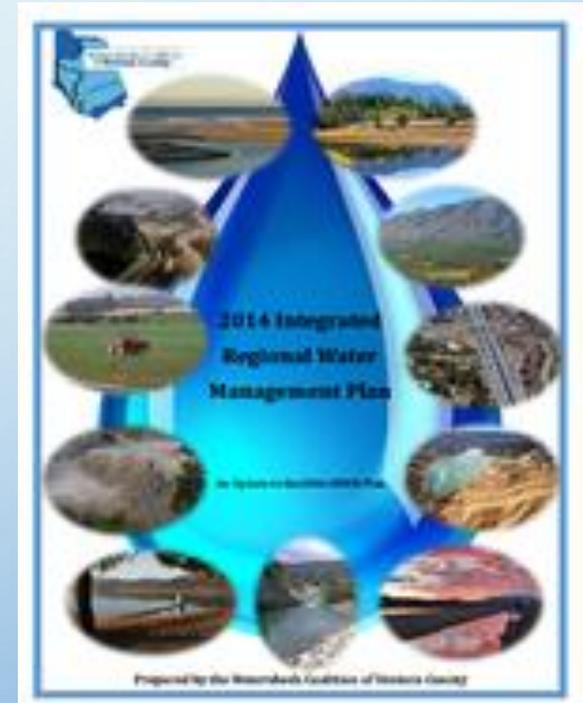


WCVC GOVERNANCE STRUCTURE



IRWM PLAN GOALS

- ◆ Reduce dependence on imported water and protect, conserve and augment water supplies
- ◆ Protect and improve water quality
- ◆ Protect people, property and the environment from adverse flooding impacts
- ◆ Protect and restore habitat and ecosystems in watersheds
- ◆ Provide water-related recreational, public access, stewardship, engagement and educational opportunities
- ◆ Prepare for and adapt to climate change



WCVC IRWM PROGRAM ACHIEVEMENTS

- Local IRWM Program Established in 2004 – Ventura County Boundaries
- 12 years of planning; 2 IRWM Plans developed
- Successful governance structure and collaboration – Watershed Focus
- 37 Projects (Received 100% of what we applied for)
 - \$81 million in IRWM Implementation Grants (Prop. 50 and 84)
 - \$1.2 million in planning grants (Prop. 50 and 84)
 - \$150.3 million in local matching funds
 - **\$231.3 million in total investments in IRWM projects**
- Four focused studies funded by Planning Grants (Prop. 84)
 - Regional Groundwater Flow Model Update – Phase 1
 - Biodigester Feasibility Study; Ventura River Watershed
 - Lower Santa Clara River Watershed - Salt And Nutrient Management Plan
 - Las Posas Conjunctive Use Study, Phase 2

37 PROJECTS FUNDED THROUGH IRWM



SNAPSHOT OF GROUNDWATER BENEFIT PROJECTS

- ◆ Regional Ag Water Use Efficiency Project
- ◆ Desalters And Salinity Management Pipeline
- ◆ Retrofits For Groundwater Recharge
- ◆ Septic to Sewer Conversion
- ◆ Wastewater Treatment Plant Upgrades – Recycled Water
- ◆ Invasive Species (Arundo) Removal
- ◆ Regional Landscape Water Use Efficiency
- ◆ Low impact development/stormwater capture and recharge
- ◆ Stormwater capture/recharge



FUTURE OF IRWM

Ongoing Local Effort

- Local funding
- Maintain stakeholder process/governance
- 2018 Update to IRWM Plan
- Ongoing implementation of IRWM Plan

Collaboration with State

- Program and project funding
- Recognition of IRWM as a model of successful water resource management
- California Water Action Plan
- California Water Plan Update 2018

Regulatory Alignment

- Increased predictability
- Alternative paths to compliance
- Reduced costs of compliance
- Leverage local models of success
- IRWM/SGMA coordination

Project Development and Future Funding

- Identify large-scale regional projects
- Prop. 1 IRWM Grant
- SB 5 funds (if approved)
- Local investments

WATER SUPPLY ENHANCEMENT

Diversified Water Portfolio

- New State Water Inter-tie
- Recycled Water – including direct and in-direct potable reuse
- Stormwater Capture/Recharge
- Water Use Efficiency Improvements
- Invasive Species Removal
- Surface and Groundwater Quality Improvement
- Desalination?
- Conjunctive Use
- Climate Resilience

FUNDING OPPORTUNITIES

- ◆ State and Federal Grants (current and future) – Prop. 1
- ◆ Low-Interest Loans
- ◆ Groundwater Assessment Fees (once GSP developed)
- ◆ Local Matching Funds/Contributions

PROPOSITION 1

- Approved By Voters In 2014
- Multiple Funding Programs, Including IRWM
- Administered By Multiple State Entities
- Most Grants Require 50% Match
- IRWM Funding administered by Department of Water Resources
- \$810 Million For IRWM; \$98 Million For Our Funding Area (to be released in two rounds in 2018 and 2020)
- 20% earmarked for projects serving disadvantaged and underserved communities

TOOLS AND OTHER OPPORTUNITIES

- ◆ Participation in IRWM – Watershed Committees
- ◆ Collaboration between WCVC and GSAs
- ◆ Ongoing regional planning – IRWM Plan, County General Plan Update, Stormwater Resource Plan
- ◆ Ongoing local planning - Urban Water Management Plans, recycled water plans, water master plans, city general plans
- ◆ WCVC Website - gateway to resources
http://www.ventura.org/wcvc/groundwater_info.htm
 - ◆ GSA profiles
 - ◆ Resources (portals, reports, agencies) to help with SGMA activities

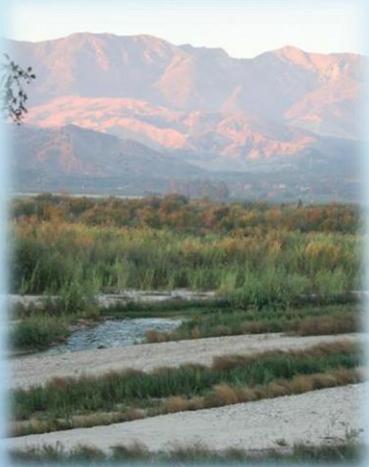


*IF YOU WISH TO GO QUICKLY, GO ALONE.
IF YOU WISH TO GO FAR, GO TOGETHER.*

-- AFRICAN PROVERB

PHOTO: TAKEN BY DAVID J. PHILLIP/AP – AUGUST 27, 2017 ~ HOUSTON, TEXAS

FOR MORE INFORMATION



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(805) 654-2455

www.watershedscoalition.org

http://www.ventura.org/wcvc/groundwater_info.htm

