



SCV
WATER

Water Resilience Initiative

Water Resources and Watershed Committee
January 13, 2021
Item 2.3

Water Resilience Initiative: Today's Briefing

- Initiate dialogue regarding water supply resiliency investments and watershed stewardship
- Review current related activities
- Explain drivers behind initiative
- Review initial ideas for strategies and approaches
- Outline future Committee discussions
- Hear Committee's input and questions

SCV Water Historical Perspective

- Pre-1960's: Agricultural Development
- 1960's-1980: Transition to Urbanization
- 1990-2020: Adaption and Growth
- 2020-2030: Generational Investment in Resiliency and Environmental Stewardship



What is Water Resilience?

- A reliable water supply that can adapt and respond to changes such as:
 - More extreme droughts and floods
 - Rising temperatures
 - Changing regulatory requirements
 - Natural disasters/risks and other challenges.
- Actions to ensure safe and resilient water supplies, and healthy waterways for our communities, economy and environment.

Multiple Planning Efforts Underway

SCV WATER PLANNING EFFORTS & PROJECTS

Water for Today & Tomorrow



Groundwater
Sustainability Plan



Urban Water
Management Plan



Water Shortage
Contingency Plan



Recycled
Water Planning



Rate Case
Planning



PFAS



Drivers for Water Resilience Initiative

- SCV Water Strategic Plan
- Santa Clara River Stewardship Objectives
- California Water Resiliency Portfolio
- Managing Uncertainties/Risks in Changing Environment
- Investments in Projects/Programs
- Protect and Enhance Environmental Qualities
- Advance Water Use Efficiency



Environmental & Watershed Commitment

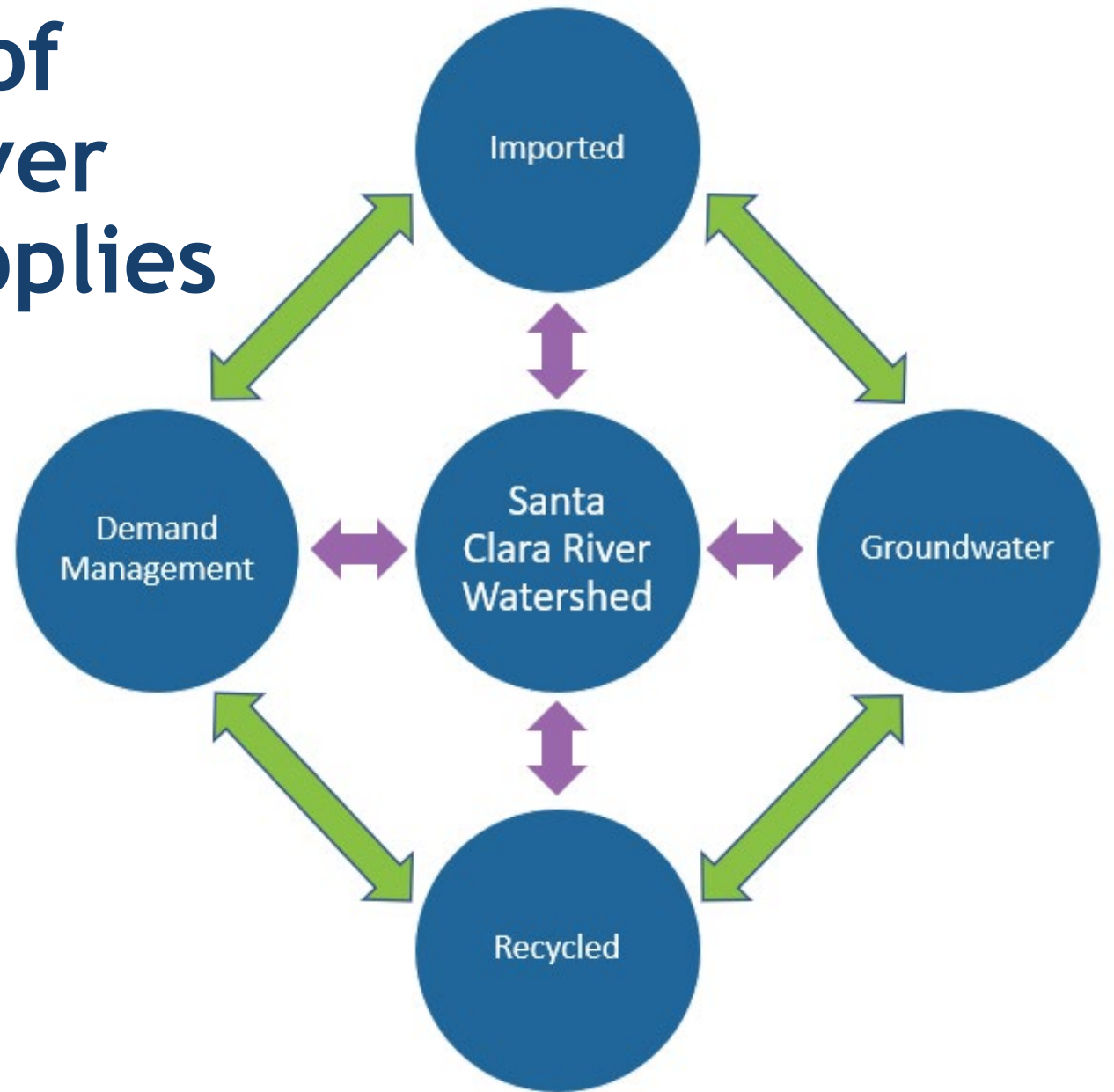
- SCV Water is a unified agency committed to a balanced approach integrating:
 - Best-in-class water resource management through efficient, sustainable, and cost-effective improvements in acquisition, treatment and distribution of surface and ground water
 - Environmental systems and resource protection in the Santa Clara River watershed
 - Water supplies and environment to ensure drinking water meets all water quality requirements

Watershed Planning Perspective

- Protect and enhance environmental and recreational values of river system
- Adaptive management with multiple benefits
- Water resources portfolio and ecological processes as a “system”
- Policies informed by community values



Interconnectivity of the Santa Clara River and SCV Water Supplies



Uncertainties Affecting Water Supply Reliability

- Policies at the federal, state and local levels
- Regulatory compliance
- Population growth
- Water use efficiency
- Groundwater Sustainability Plan (GSP) implementation
- Environmental vulnerabilities related to extreme weather, greater drought intensity, watershed hydrology changes, and water supply modifications

Upcoming Decisions on Investments in Reliability

- Imported Water
 - Delta Conveyance
- Local Water
 - Potential Groundwater Operating Plan Revisions
 - Recycled Water
 - Demand Management/Conservation
- Dry Year Supplies
 - Sites Reservoir
 - Antelope Valley-East Kern Water Agency (AVEK) Water Bank
 - Aquaterra Water Bank (McMullin GSA in Fresno County)
 - Saugus Groundwater

Upcoming Recommendations for Consideration

- Build knowledge base to support strong decision making framework through technical studies and new modeling
 - New infrastructure
 - Recycled water increase
 - Optimize local groundwater use and storage optimization
 - Watershed and river systems protection
- Expand stakeholder and community outreach and engagement

Next Steps

- **February**
 - Continue dialogue with Committee
 - Present proposed work plan and budget estimates
 - Solicit input and questions
- **March**
 - Continue dialogue with Committee
 - Based on feedback and advanced analysis, present revised work plan
 - Solicit input and questions
- **April**
 - Present final work plan for approval
 - Incorporate plan and budget into FY 2021/22 and FY 2022/23 budgets
 - Identify elements and costs for next 5 years

