

# INTEGRATED REGIONAL WATER MANAGEMENT & THE WATER RESILIENCE PORTFOLIO

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## SO CAL WATER DIALOGUE

FEBRUARY 26, 2020



# INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)

*Integrated Regional Water Management (IRWM) is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions.*



# INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)

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- Involves collaborative, integrated planning that concurrently achieves social, environmental, and economic objectives
- Achieves cost-effective water management solutions at a regional scale
- Framework for prioritizing and implementing projects/programs to meet regional goals and needs
- Delivers a high rate of return for state investment
- Ensures involvement of under-represented voices (e.g. DAC)
- Delivers tangible and intangible results
- Voluntary program; covers 99% of state population, and 87% land area



# SOUTH OC IRWM PLANNING



**Multi-sector collaboration includes 22 Member Agencies, State Agencies, Federal Agencies, Non-Profits, Academics, Transportation Entities, Groundwater, and Flood and Parks representatives**



# SOUTH OC IRWM PLANNING

## Natural Resources

Benefit aquatic and riparian ecosystems with consideration for climate change on water availability; benefit terrestrial ecosystems; benefit air, climate and energy resources with consideration for reducing GHG emissions; research, evaluation, monitoring, planning, recreation and education

## Water Quality

Control anthropogenic pollutants over developed area of WMA; control anthropogenic dry weather flows; control wet weather flows to meet NPDES MS4 Permit criteria, with consideration for climate change impacts to flow regimes; improve water quality regulatory framework, knowledge and/or awareness of issues

## Water Supply Reliability & Efficiency

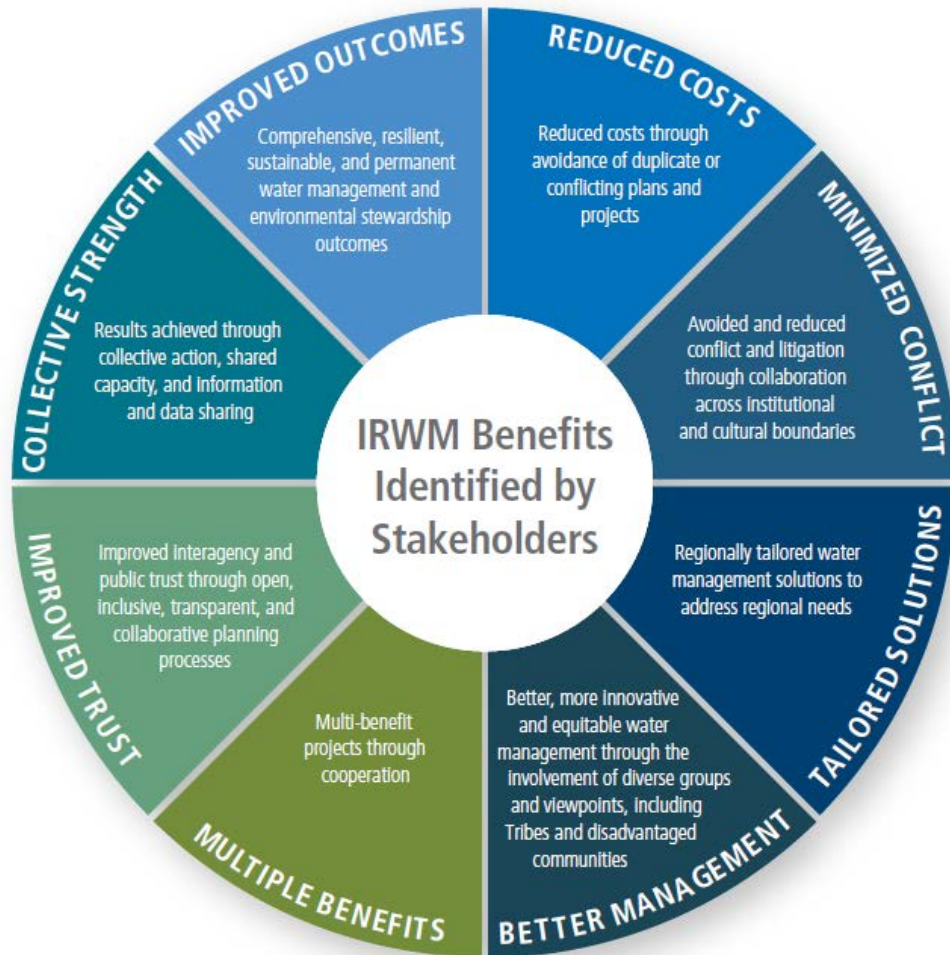
Increase potable and non-potable supplies; improve reliability of supplies with consideration for climate change on local and external sources; reduce consumption from outdoor/indoor uses and through water utility operations; research, evaluation, planning & education

## Flood Risk Management

Improvement of conveyance, remove property from FEMA 100-yr floodplain, consider climate change on flow regimes; reduce scour and erosion; preserve or return floodplains as open space; planning, studies and research to acquire data for planning and identification of potential climate change impacts

**Integrated Water Resource Management & Project Priorities to Maximize Benefits to the Region**

# WATER RESILIENCY PORTFOLIO & ROUNDTABLE OF REGIONS



The Roundtable of Regions is a consortium of representatives from IRWM Regions around the state. The Roundtable provides a forum for IRWM practitioners to discuss diverse interests, and to share successes and challenges. It also provides a forum for collaborating and providing input to the State on the IRWM Program.





# WATER RESILIENCY PORTFOLIO & ROUNDTABLE OF REGIONS

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- Roundtable provided comments during the initial development phase of the Draft Portfolio, and in response to the draft:
  - Support for IRWM approach included as an option/building block for regional planning (Recommendation 20)
  - State agency and regulatory alignment is crucial – identified areas to best support multi-benefit projects
  - Establish a “Climate Resilience Forum” of representatives from applicable State agencies with oversight from Natural Resource Agency to provide central leadership to resolve institutional issues challenging multi-benefit projects (regulatory alignment)
  - IRWM Plans are comprehensive, developed through consensus, and form basis for a voluntary, cooperative project-focused framework



# WATER RESILIENCY PORTFOLIO & ROUNDTABLE OF REGIONS

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- **Roundtable provided comments during the initial development phase of the Draft Portfolio, and in response to the draft:**
  - Assistance needed to better support Regions where IRWMs face challenges, incl. lack of funding, distance to travel, lack of resources/capacity for planning, competition for limited funding
  - Baseline funding from General Funds, not bond funding – up to \$250,000 per IRWM Region for supporting regional planning
  - Education and awareness by the public of the value multi-benefit, locally-driven planning should be supported
  - IRWM Plans' climate change vulnerability assessments should be referenced, and considered as a planning tools





# ROUNDTABLE & SUSTAINING THE PRACTICE OF IRWM

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- Working collectively to meet intentions of Draft Water Resilience Portfolio, supportive of multi-benefit projects
- Partnering with state agencies to advise on areas where IRWM is not as well resourced, where technical assistance is needed, and to support stakeholder engagement required for the Draft Portfolio to be successful
- Building upon the prior success in developing regional projects (ration of almost 4:1 local to state investment)



# CONTACT INFORMATION

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