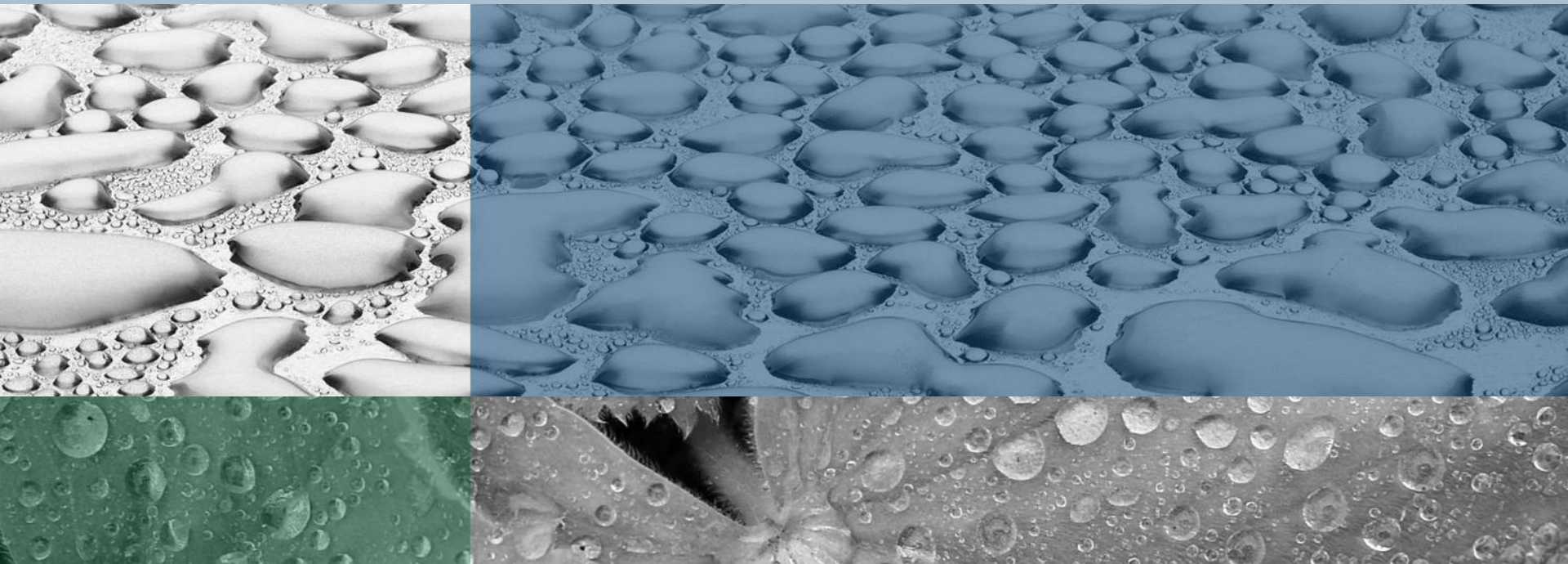


San Diego IRWMP
Joint Public Workshop &
Regional Advisory Committee Meeting #38



August 1, 2012



Agenda

RAC Meeting #38

- Welcome & Introductions
- Grant Administration
- Prop 84-Round 2 Grant
- San Diego IRWM Plan Update
- City of San Diego Recycled Water Study
- Next Meeting – October 3, 2012
- Public Comments

Public Workshop

- Welcome
- IRWM Plan Overview
- Region Description Chapter
- Resource Management Strategies Chapter
- Next Meeting – October 3, 2012



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Introducing: Alexandra Brooke Hutsel





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Prop 50 Grant Administration

Contract Status:

- Contract amendment requests submitted to DWR
 - Irrigation Hardware Giveaway, Cash for Plants (Project 2)
 - Padre Dam Reclamation Facility Expansion Project (Project 4)
 - South San Diego Water Supply Strategy (Project 13)
- Contract amendment requests in SDCWA processing
 - Grant Funding Redistribution
 - Recycled Water Distribution, Parklands Retrofit & indirect Potable Reuse (Project 6)
 - El Capitan Reservoir Watershed Acquisition and Restoration Program (Project 8)
 - Northern San Diego County Invasive Non-native Species Control (Project 9)
 - Integrated Landscape & Agricultural Efficiency Program (Project 1)

Financials:

- \$8.5M in costs submitted to DWR for reimbursement
- \$7.4M paid by DWR; \$101K in SDCWA processing for LPS disbursement
- Remaining Prop 50 grant budget is about \$16.5M



Prop 84-Round 1 Grant Administration

Contract Status:

- DWR and SDCWA meeting held in July 2012 – to resolve outstanding financial and other contract issues
- Latest draft contract was sent to SDCWA on July 23rd with language changes
- Draft contract in SDCWA's legal review

Next Steps:

- DWR to finalize contract for SDCWA signature
- SDCWA to provide draft LPS agreements to project partners



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Prop 84-Round 2 Grant Opportunity

Anticipated Schedule

	2012						2013		
Task	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Call for Project Concepts (Aug 1 - Aug 24)									
Priorities & Metrics Workgroup Review of Project Concepts									
Strategic Integration Workshop (Sept 12)									
Call for New Projects-OPTI (Sept 1 - Oct 19)									
Extended Call to Finalize Project Information-OPTI (Oct 22-Nov 2)									
Targeted Outreach to Announce Round 2 - DAC, Tribal, Watersheds									
RWMG Drafts Straw Man Project Selection Process									
RAC Recommendation for Project Selection Process (Oct 3)									
RWMG Review and Analysis of Submitted Projects									
Project Selection Workgroup Convened to Recommend Project List									
RAC to Approve Recommended Project List (Dec 5)									
SDCWA Board Approval of Grant Application Submittal									
Consultant, LPSs, and RWMG Develop Grant Application									
Anticipated Round 2 Application Deadline									



Prop 84-Round 2 Grant Opportunity

- **Call for Project Concepts: August 1 – August 24**
 - Invites local project sponsors to briefly describe their project concepts and identify potential integration opportunities
- **Strategic Integration Workshop: September 12**
 - Gathers local project sponsors to talk about their project concepts, network to enhance integration, and increase their competitiveness for Round 2 funding
- **Call for Projects: September 1 – October 18**
 - Solicits new projects for consideration of Round 2 funding



Prop 84-Round 2 Grant Opportunity

- Integration means actions affecting the management of water:
 - **Partnerships** – Establishing partnerships between different organizations can be cost effective by sharing data, resources, and infrastructure
 - **Resource Management** – Employing multiple water management strategies within a single project can effectively address a variety of issues
 - **Beneficial Uses** – Project solutions can be implemented to support several different beneficial uses
 - **Geography** – Implementing watershed- or regional-scale projects can benefit from economies of scale
 - **Hydrology** – Addressing multiple watershed functions within the hydrologic cycle can resolve conflicts between beneficial uses



Agenda

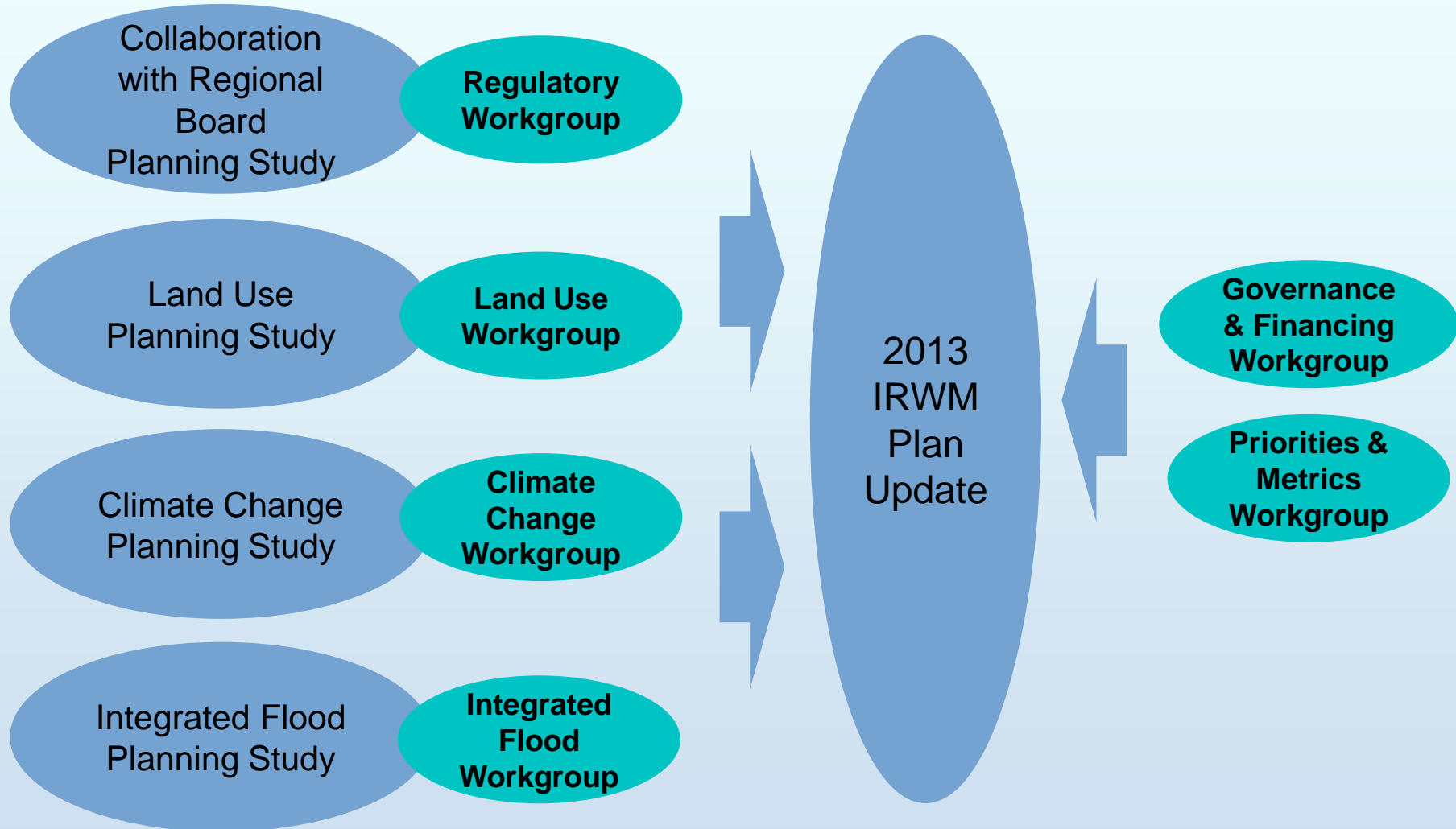
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IRWM Plan Update Workgroups





Governance & Financing Workgroup

- Workgroup tasked to develop a RAC Charter to:
 - Align more closely RAC composition and structure with expanding IRWM objectives and priorities
 - Formalize rules and guidelines for the RAC as an advisory body to the RWMG on key issues related to IRWM planning and funding applications
 - Facilitate broader stakeholder participation
- Robust discussion of financing options for the IRWM Program and projects
- Final workgroup meeting held on June 19



Governance & Financing Workgroup

Enhanced alignment of RAC composition and structure with IRWM program objectives and priorities

- Members representing a public agency, non-profit organizations, professional associations or academia
- Geographically diverse
- Representing multiple stakeholders
- Balance between public agencies and non-profits

Regional Water Management Group (3)

1. City of San Diego
2. County of San Diego
3. San Diego County Water Authority

Water Supply (5)

1. Retail
2. Retail
3. Retail
4. Retail
5. Retail

Water Quality (4)

1. Stormwater Management
2. Stormwater Management
3. Wastewater/Recycled Water
4. Wastewater/Recycled Water

Natural Resources and Watersheds (6)

1. Protection and Restoration (NGO)
2. Protection and Restoration (NGO)
3. Protection and Restoration (NGO)
4. Protection and Restoration (NGO)
5. Protection and Restoration (NGO)
6. State Coastal Conservancy

At Large (10)

Sustainability
Urban DAC
Rural DAC
Flood Management
Military Community
Agriculture
Tribal
Chamber of Commerce
SANDAG
Academia

Total voting members: 28**Non-Voting Members (4)**

Regional Water Quality Control Board (staff)
U.S. Bureau of Reclamation
Tri-County FACC (Upper Santa Margarita)
Tri-County FACC (South Orange County)

Regional Water Management Group (3)

1. City of San Diego
2. County of San Diego
3. San Diego County Water Authority

Water Supply (5)

Retail (North County- Inland)
Retail (North County- Coastal)
Retail (East County)
Retail (South County)
Retail (At Large)

Water Quality (6)

1. Stormwater Management (North County)
2. Stormwater Management (South/East County)
3. Water Quality (NGO)
4. Water Quality (NGO)
5. Wastewater/Recycled Water (Metro JPA)
6. Wastewater/Recycled Water (Non-Metro JPA)

Natural Resources and Watersheds (5)

1. Protection and Restoration (NGO)
2. Protection and Restoration (NGO)
3. Water Conservation (NGO)
4. Recreation
5. Coastal Ecosystems (Bays, Estuaries, Lagoons)

DAC/Environmental Justice (2)

1. Urban DAC
2. Rural DAC

Other Members (7)

1. Flood Management
2. Business Community
3. Agriculture
4. Tribal
5. At Large*
6. At Large*
7. At Large*

Total voting members: 28**Non-Voting Members (6)**

1. Regional Water Quality Control Board (staff)
2. U.S. Bureau of Reclamation
3. Tri-County FACC (Upper Santa Margarita)
4. Tri-County FACC (South Orange County)
5. Military
6. State Coastal Conservancy



Governance & Financing Workgroup

Proposed RAC Membership Categories

- **RWMG (3)**
 - City of San Diego
 - County of San Diego
 - San Diego County Water Authority
- **Water Supply (5)**
 - Retail (North County Inland)
 - Retail (North County Coastal)
 - Retail (East County)
 - Retail (South County)
 - Retail (At Large)
- **Water Quality (6)**
 - Stormwater Management (North)
 - Stormwater Management (South/East)
 - Water Quality (NGO)
 - Water Quality (NGO)
 - Wastewater/Recycled (Metro JPA)
 - Wastewater/Recycled (Non-Metro JPA)
- **DAC/ EJ (2)**
 - Urban DACs
 - Rural DACs
- **Natural Resources and Watersheds (5)**
 - Water Conservation (NGO)
 - Protection and Restoration (NGO)
 - Protection and Restoration (NGO)
 - Recreation
 - Coastal (Bays, Estuaries, Lagoons)
- **Other Members (7)**
 - Flood Management
 - Business Community
 - Agriculture
 - Tribal
 - Land Use Planning
 - At Large
 - At Large
- **Non-Voting**
 - Regional Water Quality Control Board
 - U.S. Bureau of Reclamation
 - Military Community
 - Tri-County FACC (Upper Santa Margarita)
 - Tri-County FACC (South Orange County)
 - State Coastal Conservancy



Governance & Financing Workgroup

Rules and Guidelines – RAC Charter topics:

- RAC role
- Meetings
- Member/alternate selection and replacement
- Member/alternate responsibilities
- Chair and Vice Chair roles
- Decision process – consensus-based, voting procedures
- Workgroups - broader membership, decision process
- Public comments



Governance & Financing Workgroup

Facilitate broader stakeholder participation:

- RAC was originally selected in 2006 by the RWMG; additional members have been added since then
- RWMG has been contacted by other stakeholders inquiring how/when new RAC members are selected
- Workgroup was tasked with establishing a process to allow new members to periodically join the RAC
 - Goal is to ensure that all stakeholders have an equal opportunity to serve on the RAC, including stakeholders that have never served before.
- Proposal: 4-year terms



Governance & Financing Workgroup

Proposed Approach:

- Half of existing RAC members (except RWMG seats) would be selected to remain in place for the next two years (2013-2014). This process would occur at random.
- Remaining RAC seats would be opened to a formal application process whereby all interested parties are encouraged to apply for a four-year term.
- Selection would be made by a Workgroup comprised of 9 RAC members continuing with a 2-year term.



Governance & Financing Workgroup

Proposed Schedule for Re-Establishing the RAC

- **October 3, 2012 (RAC meeting):** Half of the existing RAC would be chosen at random to remain on the RAC through 2014.
- **November 1-December 4, 2012:** RWMG would solicit applications from all interested IRWM stakeholders, including those former RAC members not selected for a 2-year term. A RAC Membership Workgroup would be established at this time by those RAC members selected for 2-year terms.
- **December 5, 2012 (RAC meeting):** RAC would review proposed RAC Membership Workgroup, and forward recommendation to RWMG.
- **December 2012:** Workgroup would meet to review applications, and make recommendation to RWMG. RWMG would review recommendation and ensure it complies with the RAC Charter.
- **January 1, 2013:** New RAC membership would become effective. Newly appointed RAC members would serve a 4-year term.



Governance & Financing Workgroup

Next steps - Discussion



Priorities & Plan Metrics Workgroup

- 4th Workgroup meeting held on July 18th
- Focused on:
 - Brainstorming integration strategies for Proposition 84 Implementation Grant funding – Rounds 2 and 3
 - Reviewing draft targets, metrics, and data for achieving updated IRWM objectives
 - Next RAC/Workshop in October, we will review the Workgroup outcomes in more depth – today we are considering two new objectives:
 - Integration
 - Climate Change



Priorities & Plan Metrics Workgroup

- Outcomes of Workgroup Meeting #4:
 1. Approach for project integration:
 - “Call for Concepts”: August 1– August 24
 - Interested parties to submit Project Concept Form or Project Partner Form
 - Hold additional Workgroup meeting to review the project concepts and discuss integration opportunities
 - Host a Strategic Integration Workshop: September 12
 - Focus will be discussing project concepts, integration opportunities, and services or abilities that groups may contribute to IRWM projects
 - “Call for Projects”: September 1 – October 18



Priorities & Plan Metrics Workgroup

- Outcomes of Workgroup Meeting #4:
 - 2. Approach for Objectives, Metrics, Targets:
 - **Objectives:** specific, observable outcomes
 - **Targets:** measurable and tangible actions to achieve the objectives
 - **Metrics:** measurements that can be used to evaluate the action – may be quantitative or qualitative

Example - Objective E: Construct, operate, and maintain a reliable infrastructure system

- **Target 1 for Objective E:** Develop facilities and manage supplies to ensure adequate emergency and carry-over deliveries
- **Metrics for Target 1:**
 - » AFY of emergency and carry-over supply
 - » % of reservoir storage capacity used
 - » increase in operational flexibility



Regulatory Workgroup

PURPOSE:

- To support the IRWM Plan Update by identifying collaboration opportunities between the San Diego IRWM program and the San Diego RWQCB toward achieving the mutual goal of protecting water quality in the Region

SCHEDULE:

- 4 meetings so far, 1 more planned in Aug/Sept



Regulatory Workgroup

KEY RECENT ACTIVITIES:

- Identified 28 potential issues of interest with three key outcomes:
 - Support science-based Basin Plan water quality objectives
 - Support science-based 303(d) listings
 - Support restoration and mitigation



Regulatory Workgroup

PRIORITIES IN BASIN PLANNING – HIGHLIGHTS:

- Scientifically update relations between beneficial uses and water quality objectives
- Update water quality objectives to address seasonal or flow-based water quality protection needs
- Promote indirect potable reuse

EXAMPLE IMPLEMENTATION OPPORTUNITIES:

- Develop outcome-based objectives that scientifically relate water quality objectives to beneficial use protection needs



Regulatory Workgroup

PRIORITIES IN 303(D) TMDLs – HIGHLIGHTS:

- Ensure 303(d) listings are based on science and robust data
- Evaluate 303(d) listing of imported water reservoirs

EXAMPLE IMPLEMENTATION OPPORTUNITIES:

- Increase stakeholder participation in 303(d) and TMDL processes
- Improve data and analysis of typical flows and seasonal conditions prior to TMDL development



Regulatory Workgroup

PRIORITIES IN RESTORATION AND MITIGATION – HIGHLIGHTS:

- Improve efficiency in regulatory oversight for channel maintenance and restoration
- Prioritize regional restoration needs and opportunities

EXAMPLE IMPLEMENTATION OPPORTUNITIES:

- Establish regional coordination with multiple agencies to permit channel maintenance and restoration projects
- Develop jointly a prioritized list of restoration needs and opportunities

Regulatory Workgroup

What the IRWM Program Can Offer

- Vision and Advocacy
- Expertise
- Project Funding
- Stakeholder Coordination



Priority Issues of Interest to IRWM & RWQCB

- Support science-based Basin Plan water quality objectives
- Support science-based 303(d) listings
- Support restoration and mitigation

Regulatory Workgroup

		Support Science-Based Basin Plan Assessments
What the IRWM Program Offers	Vision & Advocacy	<ul style="list-style-type: none">• Identify priority needs to support IRWM and RWQCB goals
	Expertise	<ul style="list-style-type: none">• Organize information exchanges• Organize expert science panel or Work Group
	Project Funding	Implement IRWM policies that encourage funding of: <ul style="list-style-type: none">• Thresholds impacts research• Data collection and assessment• Development of site-specific water quality objectives• Evaluation of Basin Plan implementation policies
	Stakeholder Coordination	<ul style="list-style-type: none">• Utilize existing IRWM structure for stakeholder input• Organize public workshops



Regulatory Workgroup

NEXT STEPS

- Complete list of implementation opportunities matching the IRWM assets to key outcomes of interest with IRWM goals & RWQCB priorities
- Discuss action plan
- Develop draft Workgroup Report



Land Use Planning Workgroup

- Final workshop will be held on August 21st
- Workshop Time and Location:
SDG&E Energy Innovation Center
4760 Clairemont Mesa Boulevard
August 21, 2012 - 1:30-4:30 p.m.
- Purpose of workshop:
 - Present the review draft Planning Study and recommendations
 - Provide participants with the opportunity to provide additional input



Flood Management Workgroup

- 1st workshop held on June 26th
- Focused on:
 - Characterizing common flood problems and sources
 - Identifying key flood locations and issues
 - Discussing existing flood control master plans
 - Discussing existing needs, priorities, and constraints for implementing flood hazard mitigation



Climate Change Workgroup

- 1st Workgroup meeting held on June 28th
- Focused on:
 - Understanding IRWM climate change requirements
 - Providing input on climate change information pertinent to the San Diego IRWM Region
 - Identifying and prioritizing water-related vulnerabilities to climate change



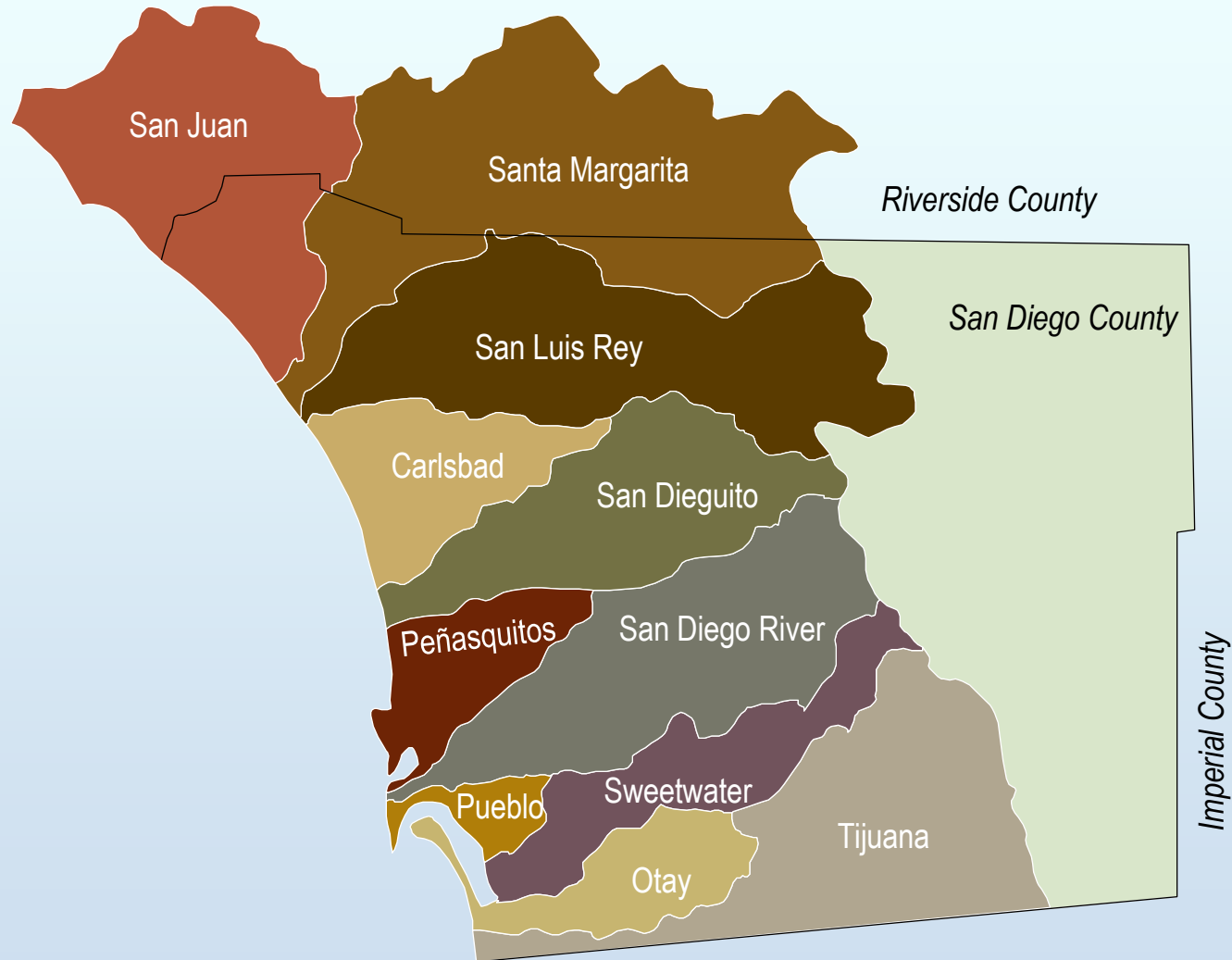
Climate Change Workgroup

- 2nd Workgroup meeting held on July 26th
- Focused on:
 - Discussing results of the climate change vulnerability prioritization exercise from Workgroup Meeting #1
 - Finalizing regional climate change vulnerabilities
 - Discussing importance of time-frame
 - Identifying and beginning prioritization of management strategies

Regional Climate Change Vulnerabilities

Priority Level	Category and Vulnerability Issue
Very High	<ul style="list-style-type: none"> Water Supply: Decrease in imported supply
High	<ul style="list-style-type: none"> Water Supply: Sensitivity due to higher drought potential Water Quality: Increased constituent concentrations Flooding: Increases in flash flooding and inundation (extreme weather) Ecosystem/Habitat: Decrease in available necessary habitat Sea Level Rise: Inundation of storm drains and sewer systems Ecosystem/Habitat: Decrease in ecosystem services
Medium	<ul style="list-style-type: none"> Water Demand: Crop demand would increase Water Demand: Industrial demand would increase Water Supply: Decrease in groundwater supply Water Quality: Increase in treatment cost Sea Level Rise: Damage to coastal recreation / tourism due to inundation
Low	<ul style="list-style-type: none"> Water Supply: Lack of groundwater storage to buffer drought Water Supply: Limited ability to conserve further Water Quality: Increased eutrophication Flooding: Increases in inland flooding Ecosystem/Habitat: Increased impacts to coastal species
Very Low	<ul style="list-style-type: none"> Water Supply: Limited ability to meet summer demand Water Supply: Invasive species can reduce supply available Water Quality: Decrease in recreational opportunity Sea Level Rise: Decrease in land Sea Level Rise: Damage to ecosystem/habitat Ecosystem/habitat: Decrease in environmental flows Hydropower: Decrease in hydropower potential

San Diego IRWM Region Watersheds



Watershed Workshops





Watershed Workshops

- Purpose:
 - Hold public workshops at the watershed scale to identify water management issues
- Schedule and Locations:
 - **San Juan, Santa Margarita, San Luis Rey:** September 25th, City of Escondido, 10:00 – 11:30 a.m.
 - **Carlsbad, San Dieguito:** September 25th, City of Escondido, 1:00-2:30 p.m.
 - **San Diego River, Peñasquitos:** September 21st, Mission Valley Library, 3:00-4:30 p.m.
 - **Pueblo, Sweetwater, Otay, Tijuana:** September 27th, City of Chula Vista, 12:00-1:30 p.m.



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Public Workshop

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Next RAC Meeting

- October 3, 2012 will be another joint public workshop and RAC meeting on the Plan Update
 - RAC Meeting #39: 9:00 – 10:20 a.m.
 - Public Workshop: 10:30 a.m. – 12:00 p.m.

2012 Meeting Schedule

- October 3, 2012
- December 5, 2012



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What is IRWM Planning?

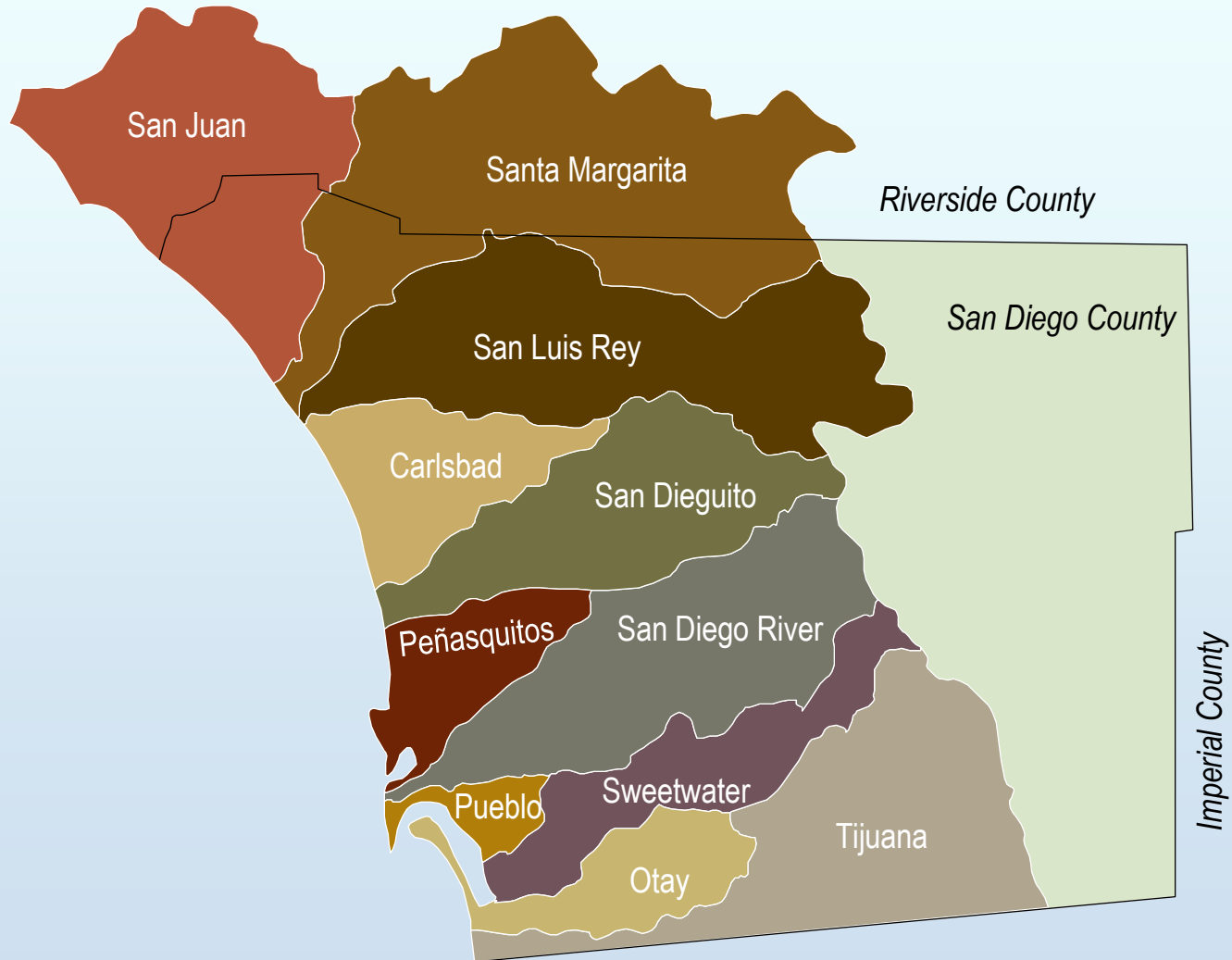
- A regional approach for addressing water management issues
- A mechanism for stakeholders to work together to effectively implement water management projects
 - Regional Advisory Committee (32 entities)
 - Tri-County Funding Area Coordinating Committee (3 neighboring regions)



Original State Goals for IRWM



San Diego IRWM Region





Vision/Goals of 2007 IRWM Plan

- Vision:

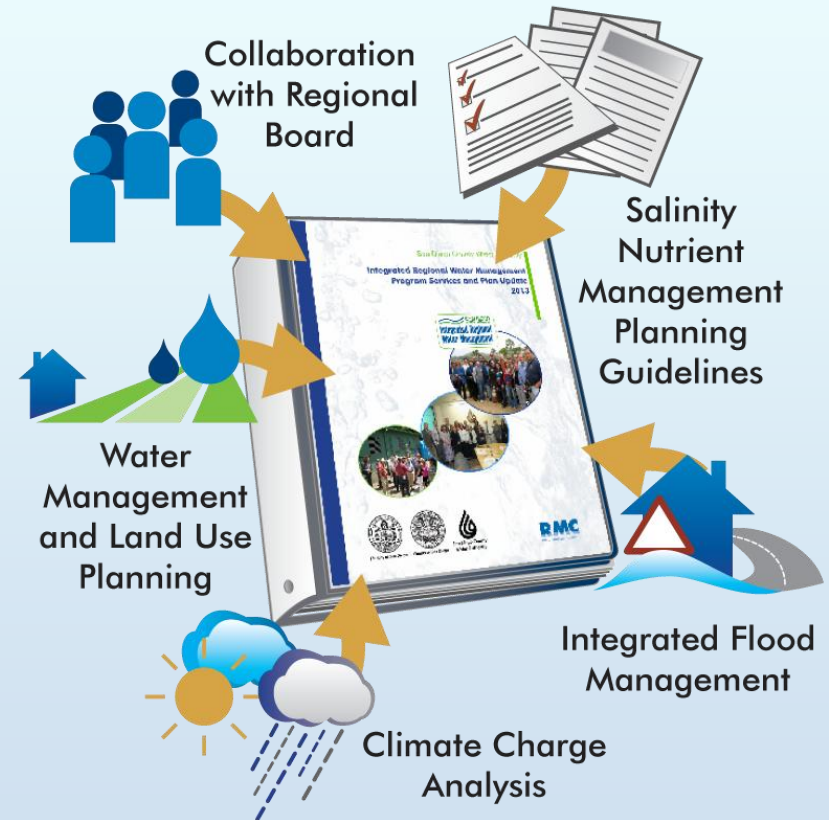
An integrated, balanced, and consensus-based approach to ensuring the long-term sustainability of San Diego's water supply, water quality, and natural resources.

- Goals:

1. Optimize water supply reliability
2. Protect and enhance water quality
3. Provide stewardship of natural resources
4. Coordinate and integrate water resource management

IRWM Plan Update

- Update 2007 IRWM Plan with existing plans, planning studies, and stakeholder input
- Integrate program objectives established by the RWMG
- Meet 2010 and 2012 DWR IRWM Plan Requirements





DWR IRWM Plan Requirements

Table 2 - IRWM Plan Standards

<ul style="list-style-type: none">• Governance• Region Description• Objectives• Resource Management Strategies (RMS)• Integration• Project Review Process• Impact and Benefit• Plan Performance and Monitoring	<ul style="list-style-type: none">• Data Management• Finance• Technical Analysis• Relation to Local Water Planning• Region to Local Land Use Planning• Stakeholder Involvement• Coordination• Climate Change
---	---

Plan standards ensure IRWM Plans include specific content; region has flexibility in how issues are addressed

Anticipated Workshops for Plan Update

Workshop 1:
Region Description & RMS

**Thank you for
participating
today!!**

Workshop 2:
Vision, Objectives, & Targets

Workshop 3:
Governance & Coordination

Workshop 4:
Data Management & Implementation

Workshop 5:
Draft IRWM Plan Update



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Region Description Chapter

Purpose of Workshop Discussion:

- Discuss proposed approach to Region Description chapter
 - Added, subtracted, revised sections
- Discuss sources for proposed information
- Confirm chapter outline is complete



Region Description Chapter

2007 IRWM Plan

- Defining Boundaries for the Region
 - Appropriateness of the Region
 - Future IRWM Plan Boundary Considerations

IRWM Plan Update

- Update with boundary justification from the 2009 RAP
- Include information on neighboring and/or overlapping IRWM efforts
 - Partnership with Tri-County FACC



Region Description Chapter

2007 IRWM Plan

- Regional Overview
 - Population
 - Social /Cultural Make-up
 - Disadvantaged Communities
 - Housing
 - Land Use
 - Regional Economy
 - Climate and Precipitation
 - Global Climate Change

IRWM Plan Update

- Same overall approach
- Update with 2010 UWMPs, SANDAG, County General Plan Update, 2010 Census data, etc
- Update climate change section based on outcomes from Climate Change Workgroup



Region Description Chapter

2007 IRWM Plan

- Watersheds
 - Size
 - Hydrology (general)
 - Issues (general)
 - Jurisdictions (general)

IRWM Plan Update

- Significantly expand watershed descriptions:
 - Hydrology
 - Water Systems
 - Internal Boundaries and Land Uses
 - Water Quality
 - Stormwater and Flood Management
 - Natural Resources
 - Climate Change Impacts
 - Management Issues / Conflicts



Region Description Chapter

2007 IRWM Plan

- Surface Water Resources/
Groundwater Resources:
 - Designated Beneficial Uses
 - Streamflow/Aquifer Capacity
 - Coastal Waters
 - Water Quality Standards
 - Section 303(d) Listed
Waters (surface only)
 - Regional Constituents of
Concern

IRWM Plan Update

- Split Water Systems and
Water Quality into 2 sections
- Water Systems:
 - Water Supply:
 - Imported Water
 - Surface Water
 - Recycled Water – NEW
 - Groundwater
 - Desalinated Water – NEW
 - Conservation – NEW
 - Wastewater – NEW
 - Stormwater and Flood – NEW



Region Description Chapter

2007 IRWM Plan

- Surface Water and Groundwater Resources:
 - Designated Beneficial Uses
 - Streamflow/Aquifer Capacity
 - Coastal Waters
 - Water Quality Standards
 - Section 303(d) Listed Waters (surface only)
 - Regional Constituents of Concern

IRWM Plan Update

- Split Water Systems and Water Quality into 2 sections
- Water Quality:
 - Water Supply:
 - Imported Water
 - Surface Water
 - Recycled Water – NEW
 - Groundwater
 - Desalinated Water – NEW
 - Conservation – NEW
 - Wastewater – NEW
 - Stormwater and Flood – NEW



Region Description Chapter

2007 IRWM Plan

- Water Supply Infrastructure
 - Imported Water System
 - Water Supplies (source by agency)
 - Regional Water Supply Infrastructure
 - Emergency Storage Program
 - Wastewater/Recycled Water
 - Water Supply Outside of Water Authority Service Area

IRWM Plan Update

- Combine with Water Systems section
- Less emphasis on infrastructure, focus on water resources and supply



Region Description Chapter

2007 IRWM Plan

- Agencies and Jurisdictions
 - Land Use Jurisdictions
 - Water Supply Agencies
 - Wastewater Agencies
 - Stormwater Agencies
 - Flood Control Agencies
 - Environmental Management Organizations

IRWM Plan Update

- Same overall approach
- Clarify how jurisdictional boundaries overlap and jurisdictions collaborate within the region



Region Description Chapter

2007 IRWM Plan

- Water Demand and Supply Diversification
 - Demand Forecasts
 - Water Supply Diversification

IRWM Plan Update

- Water Supply and Demand
 - 20-year planning horizon sourced from 2010 UWMPs
 - New sections on environmental water needs and climate change



Region Description Chapter

2007 IRWM Plan

- Environmental Resources:
 - Habitat Resources
 - Vegetation Communities
 - Wildlife and Endangered Species
 - Aquatic, Estuarine, and Marine Habitats
 - Invasive Species

IRWM Plan Update

- Same overall approach
- Re-name to Natural Resources



Region Description Chapter

2007 IRWM Plan

- Recreational Resources:
 - Recreational beaches
 - Coastal preserves
 - Water-based recreational areas

IRWM Plan Update

- Include recreation under Land Use (Regional Overview section)
 - Describe as a distinct land use
- Connect to applicable beneficial uses described in Water Quality section



Region Description Chapter

2007 IRWM Plan

- Not applicable, new sections

IRWM Plan Update

- Major Water Related Issues and Conflicts
 - Overview based on 2009 RAP, stakeholder meetings, and watershed-specific issues identified in Workshops
- Climate Change
 - New standalone section describing Climate Change legislation and context



Agenda

RAC Meeting #38

- Welcome & Introductions
- Grant Administration
- Prop 84-Round 2 Grant
- San Diego IRWM Plan Update
- City of San Diego Recycled Water Study
- Next Meeting – October 3, 2012
- Public Comments

Public Workshop

- Welcome
- IRWM Plan Overview
- Region Description Chapter
- Resource Management Strategies Chapter
- Next Meeting – October 3, 2012



Resource Management Strategies

Purpose of Workshop Discussion:

- Discuss proposed approach for Resource Management Strategies (RMS) chapter
- Confirm list of RMS used in San Diego region
- Brainstorm examples of RMS in use
- Confirm chapter outline is complete



Resource Management Strategies

- Resource Management Strategies (RMS)
definition:
 - A project, program, or policy that helps local agencies and governments manage their water, and related resources
- An IRWM Plan must consider each RMS listed in the 2009 California Water Plan



Resource Management Strategies

- **Reduce Water Demand**
 - Agricultural Water Use Efficiency
 - Urban Water Use Efficiency
 - *Crop Idling for Water Transfers*
 - *Irrigated Land Retirement*
 - *Rainfed Agriculture*
- **Improve Operational Efficiency and Transfers**
 - Conveyance – Delta
 - Conveyance – Regional/Local
 - System Reoperation
 - Water Transfers
 - *Waterbag Transport/Storage*
- **Improve Water Quality**
 - Drinking Water Treatment/Distribution
 - Groundwater/Aquifer Remediation
 - Matching Quality to Use
 - Pollution Prevention
 - *Salt and Salinity Management*
 - Urban Runoff Management
- **Increase Water Supply**
 - Conjunctive Management & Groundwater Storage
 - Desalination
 - Precipitation Enhancement*
 - Recycled Municipal Water
 - Surface Storage – CALFED*
 - Surface Storage – Regional/Local
 - *Atmospheric Pressure Desalination*
 - *Fog Collection*
- **Improve Flood Management**
 - Flood Risk Management
- **Practice Resources Stewardship**
 - Agricultural Lands Stewardship
 - Economic Incentives
 - Ecosystem Restoration
 - *Forest Management*
 - Land Use Planning and Management
 - Recharge Area Protection
 - Water-Dependent Recreation
 - Watershed Management



Resource Management Strategies

- RMS not considered in the 2007 IRWM Plan:
 - Precipitation Enhancement
 - CALFED Surface Storage
- RMS new in the 2009 CWP:
 - Crop Idling for Water Transfers
 - Irrigated Land Retirement
 - Rainfed Agriculture
 - Waterbag Transport/Storage Technology
 - Dewvaporation or Atmospheric Pressure Desalination
 - Fog Collection
 - Salt and Salinity Management
 - Forest Management



Resource Management Strategies

2007 IRWM Plan

- Based on the 2005 CWP
- Water Management Strategies
 - Overview
 - RMS Selected for Inclusion in IRWM Plan
 - RMS in Water Management Projects
 - Applicability to the Region's Hydrologic Units

IRWM Plan Update

- Based on 2009 CWP
- Same overall approach
- Provide 1-2 case studies describing each RMS in use within the region



Resource Management Strategies

2007 IRWM Plan

- Describe each RMS with bulleted list of potential uses

IRWM Plan Update

- Describe each RMS with bulleted list of potential uses
- Provide 1-2 case studies describing the RMS in use within the region

**Activity:
Brainstorm
RMS case
studies for use
in the IRWM
Plan Update**



Agenda

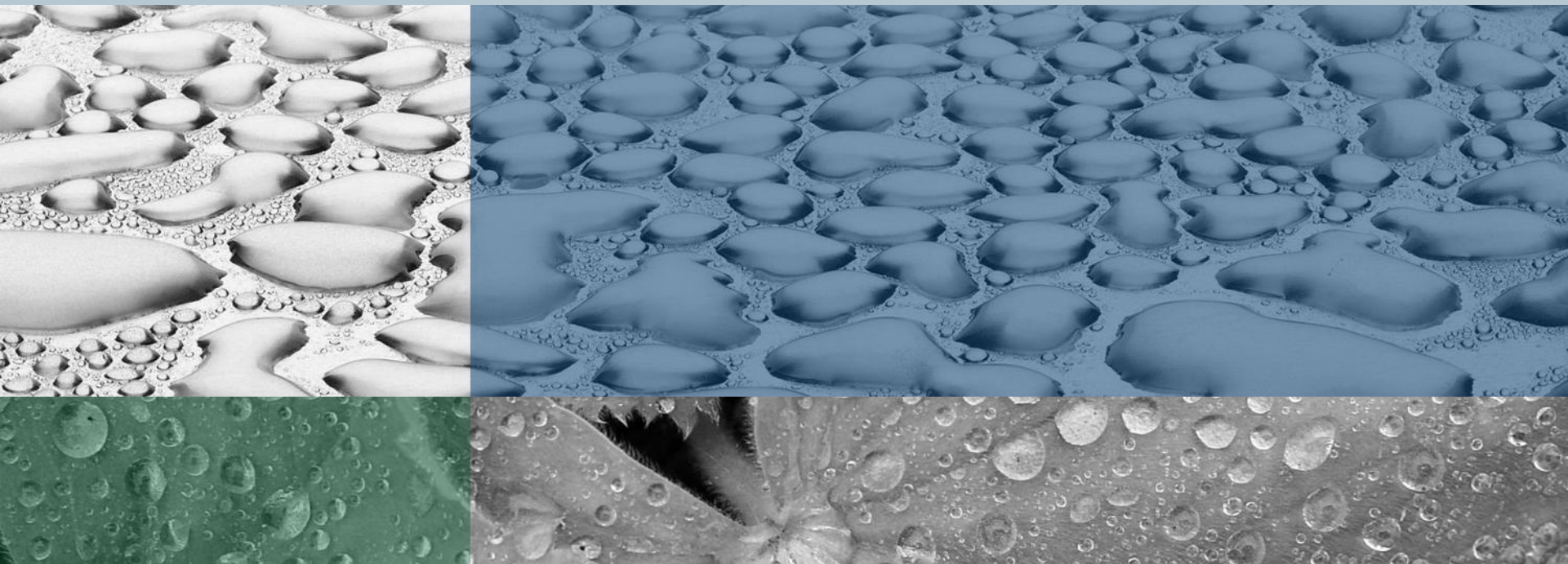
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San Diego IRWMP
Joint Public Workshop &
Regional Advisory Committee Meeting #38



August 1, 2012