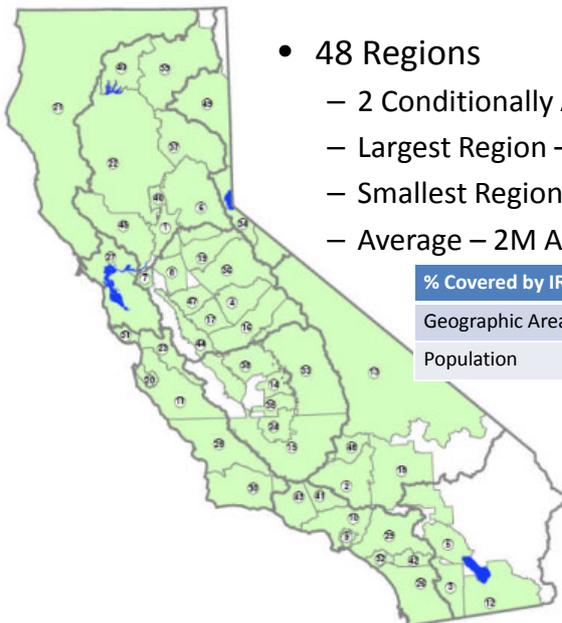


# Integrated Regional Water Management Grant program

Restoring Water Quality & Aquatic Ecosystems  
February 9, 2012  
Sacramento



## IRWM Region Statistics



- 48 Regions
  - 2 Conditionally Accepted
  - Largest Region – 12.5M Acres
  - Smallest Region – 170,000
  - Average – 2M Acres

% Covered by IRWM Region	2005	2009	2011
Geographic Area	54	83	87
Population	95	97	99

## An IRWM Region is...

- Not based solely on jurisdictional boundaries
  - Also not solely based on watershed boundaries
  - May encompass multiple watersheds
- Defined by water management issues and stakeholder composition
- Configured to achieve the function of diversifying and strengthening the regional water management portfolio

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## An IRWM Plan...

- Identifies broadly-supported goals, objectives, strategies, actions, projects & programs
- Addresses long-term water supply needs
- Protects/enhances water quality & environmental/habitat resources

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## IRWM Plan Standards

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Governance</li> <li>2. Description of Region</li> <li>3. Objectives</li> <li><b>4. Resource Management Strategies</b></li> <li>5. Integration</li> <li>6. Project Selection Process</li> <li>7. Impacts &amp; Benefits</li> <li>8. Plan Performance &amp; Monitoring</li> </ol> | <ol style="list-style-type: none"> <li>9. Data Management</li> <li>10. Finance</li> <li>11. Technical Analysis</li> <li>12. Relation to Local Water Planning</li> <li><b>13. Relation to Local Land Use Planning</b></li> <li>14. Stakeholder Involvement</li> <li>15. Coordination</li> <li>16. Climate Change</li> </ol> |
|---|--|

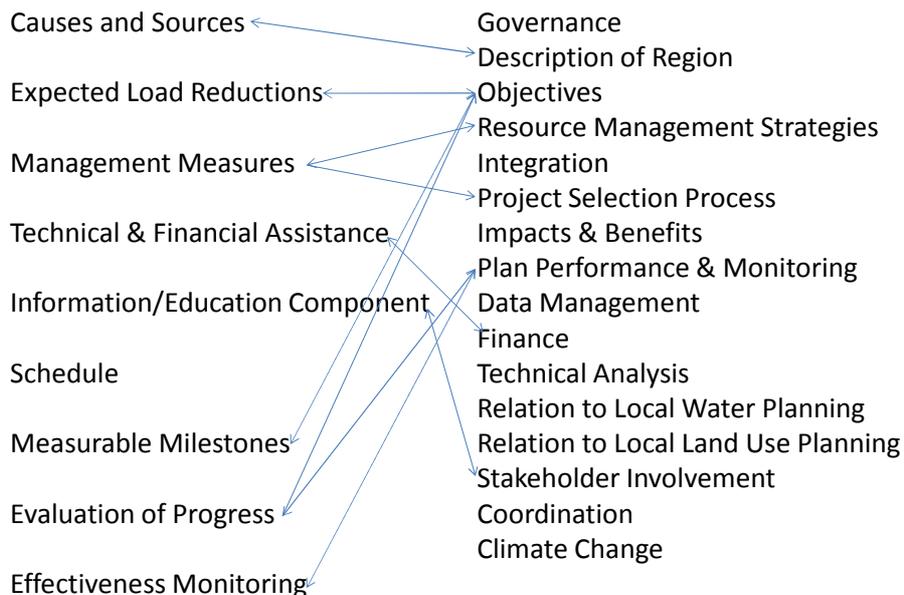
### Resource Management Strategies

<p><b>Reduce Water Demand</b> Ag &amp; Urban Water Use Efficiency</p>	<p><b>Improve Flood Management</b> Flood Risk Management</p>		
<p><b>Practice Resource Stewardship</b>                      Ag Lands Stewardship                      Economic Incentives                      Ecosystem Restoration                      Forest Management                      Recharge Area Protection                      Water-dependent Recreation  <b>Watershed Management</b></p>	<p><b>Improve Water Quality</b>                      Drinking Water Treatment &amp; Distribution                      Groundwater Remediation/Aquifer Remediation                      Matching Water Quality to Use                      Pollution Prevention                      Salt &amp; Salinity Management                      Urban Runoff Management</p>		
<p><b>Increase Water Supply</b>                      Conjunctive Use &amp; Groundwater Storage                      Desalination                      Precipitation Enhancement                      Recycled Municipal Water                      Surface Storage – CALFED &amp; Regional/local</p>	<p><b>Improve Operational Efficiency &amp; Transfers</b>                      Conveyance – Delta &amp; Regional/Local                      System Reoperation                      Water Transfers</p>		
<p><b>Other Strategies</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">                     Crop Idling for Water Transfers                      Fog Collection                      Rainfed Agriculture                 </td> <td style="width: 50%; border: none;">                     Dewvaporation/Atmospheric Pressure Desalination                      Irrigated Land Retirement                      Waterbag Transport/Storage Technology                 </td> </tr> </table>		Crop Idling for Water Transfers Fog Collection Rainfed Agriculture	Dewvaporation/Atmospheric Pressure Desalination Irrigated Land Retirement Waterbag Transport/Storage Technology
Crop Idling for Water Transfers Fog Collection Rainfed Agriculture	Dewvaporation/Atmospheric Pressure Desalination Irrigated Land Retirement Waterbag Transport/Storage Technology		

## Relation to Local Water Planning

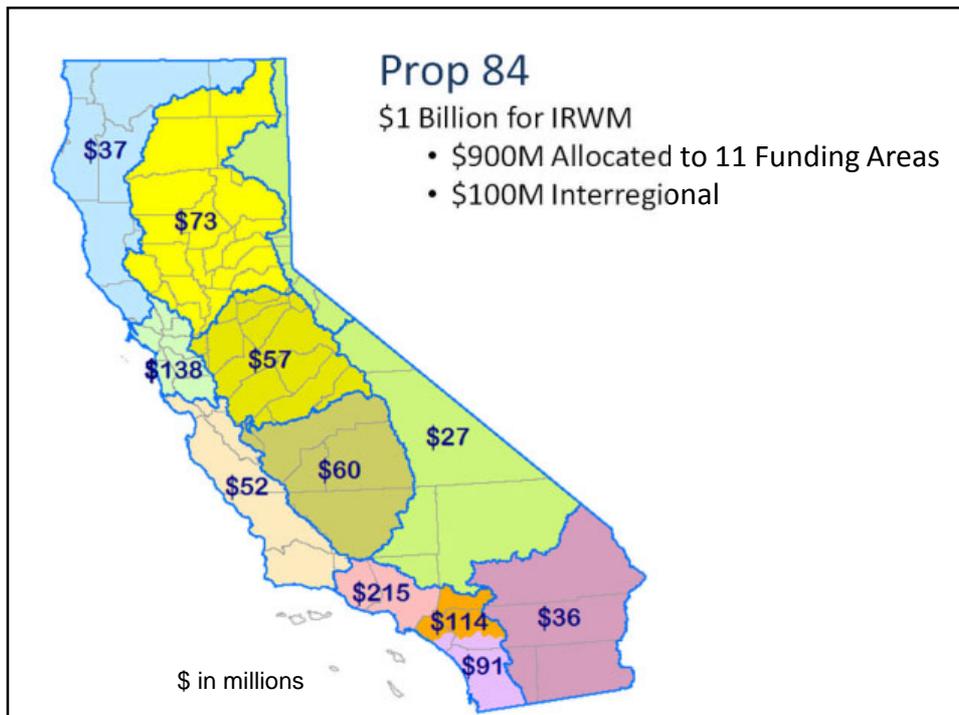
- Standard
  - List of local water plans
  - How the IRWM Plan relates to planning documents & programs
  - Dynamics between IRWM & local planning documents
- Example Local Plans/Programs
  - Groundwater Management
  - Urban Water Management
  - Water Supply Assessments
  - Agricultural Water Management
  - City & County General Plans
  - Flood Protection
  - **Watershed Management**
  - Multipurpose Program Planning
  - Low Impact Development
  - Stormwater Resource Management
  - Salt & Salinity Management
  - Emergency Response/Disaster

## Comparison



## Prop 84 provides funding for

- Projects that:  
“...assists local public agencies to meet long term water needs of the state including the delivery of safe drinking water and the protection of water quality and the environment.”
- Projects must:
  - Implement an IRWM Plan
  - Be consistent with an adopted IRWM Plan or its functional equivalent
  - Provide multiple benefits



## Eligible Project Elements

- Water supply reliability, water conservation and water use efficiency
- Storm water capture, storage, clean-up, treatment, and management
- Removal of invasive non-native species, **the creation and enhancement of wetlands**, and the acquisition, protection, and restoration of open space and watershed lands
- **Non-point source pollution reduction**, management and monitoring
- Groundwater recharge and management projects
- Contaminant and salt removal through reclamation, desalting, and other treatment technologies and conveyance of reclaimed water for distribution to users
- Water banking, exchange, reclamation and **improvement of water quality**
- Planning and implementation of multipurpose flood management programs
- **Watershed protection and management**
- Drinking water treatment and distribution
- **Ecosystem and fisheries restoration and protection**

## Program Preferences

- Regional projects or programs
- Effective integration of water management programs and projects within a:
  - CWP Hydrologic Region
  - RWQCB region or subdivision
  - Other region or sub-region identified by DWR
- Effective resolution of significant water-related conflicts within or between regions
- Contribute to the attainment of one or more of the CALFED Bay-Delta Program objectives
- Address critical water supply or water quality needs for disadvantaged communities within the region
- Effective integration of water management with land use planning
- Address statewide priorities

## Statewide Priorities

- Drought Preparedness
- Use and Reuse Water More Efficiently
- Climate Change Response Actions
- **Expand Environmental Stewardship**
- Practice Integrated Flood Management
- **Protect Surface Water & Groundwater Quality**
- Improve Tribal Water and Natural Resources
- Ensure Equitable Distribution of Benefits

## Expand Environmental Stewardship

- Proposals that contain projects that:
  - Practice, promote, improve, and expand environmental stewardship to protect and enhance the environment by **improving watersheds**, floodplains, and instream functions and **to sustain water and flood management ecosystems**

## Protect Surface Water & Groundwater Quality

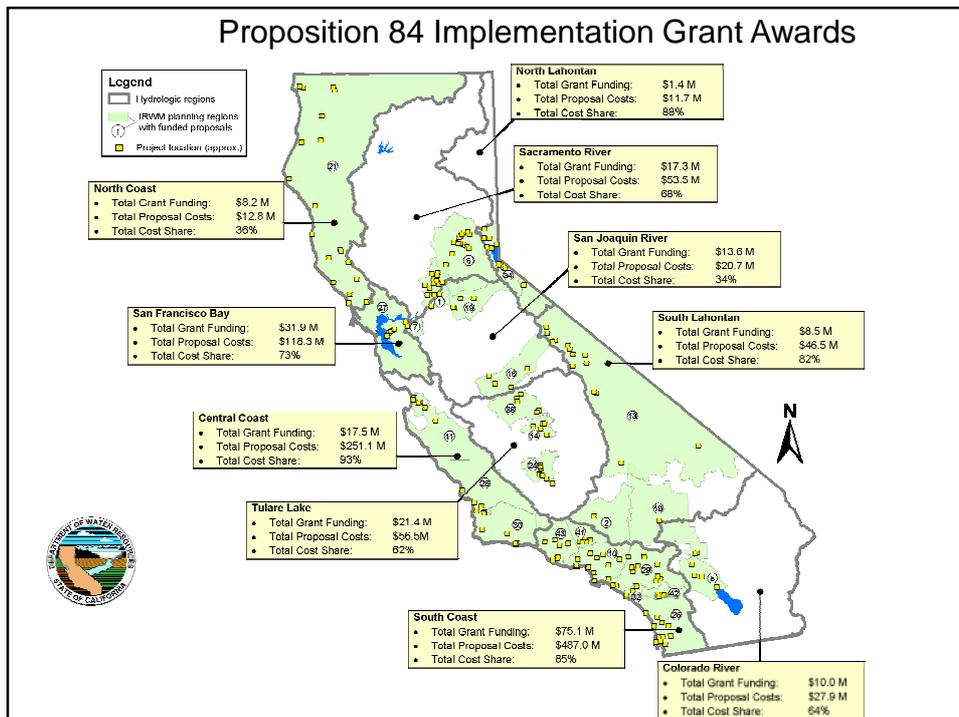
- Proposals that include:
  - Protecting and restoring surface water and groundwater quality to **safeguard public and environmental health and secure water supplies for beneficial uses**
  - Salt/nutrient management planning as a components of an IRWM Plan

## Grant Program Desired Outcomes

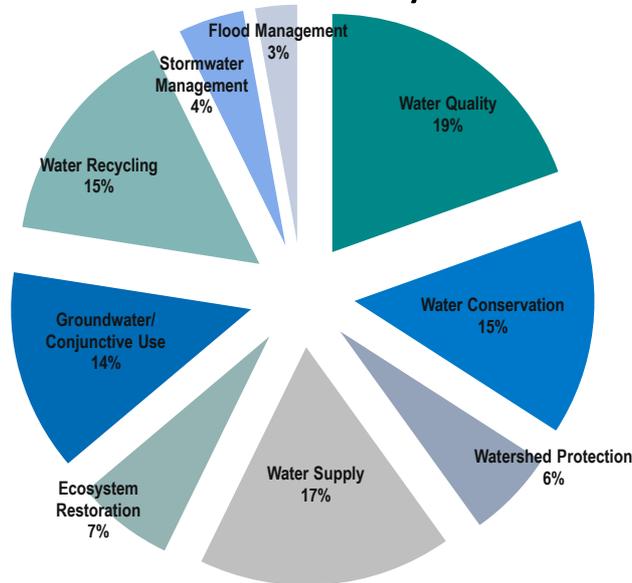
- Sustainable water management
- All IRWM Plans updated to 2010 standards
- More collaborative water management
- Improved integration of projects
- IRWM Plans consider Climate Change vulnerability
- Project selection considers mitigation of greenhouse gas emissions

# Recent Accomplishments

- IRWM Planning Grant Solicitation
  - Awarded \$21M to 30 Regions; Total Costs = \$32M
- IRWM Implementation Grant Solicitation
  - Awarded \$205M to 25 Regions; total costs = \$986M; funding ~ 200 projects



## Proposition 84 IRWM Implementation Round 1 Primary Benefit



### Resources:

<http://www.water.ca.gov/irwm/>  
[dwr\\_irwm@water.ca.gov](mailto:dwr_irwm@water.ca.gov)

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