

Draft IRWM Plan Objectives and Targets for Achieving Them – March 2, 2007

IRWM Plan Objective	DRAFT Targets for Achieving Objectives	Explanation
A. Develop and promote integrated approaches and regional approaches to water management planning	1. Define the role of watersheds in water management planning as part of the 2008 completion of the long-term institutional structure.	Establishing a long-term institutional structure is a required element of this effort. From discussions to date, the long-term role of watersheds in that structure is unclear. This target would focus on resolving both of issues within three years.
	2. Complete by 2011 an updated analysis of water management planning gaps, conflicts, and deficiencies.	Initial completion of the IRWM Plan will identify numerous existing planning gaps or deficits, but a truly comprehensive analysis is beyond our present means. This target would continue that review over the next five years to provide a more in-depth analysis as a basis for the next 5-year iteration of the Plan.
	3. Initiate individual water management plans as needed to support existing and updated IRWM objectives and strategies.	Existing gaps and deficits should be addressed now through planning grants and other avenues. Examples of identified gaps include a lack of comprehensive regional coverage for watershed management plans and groundwater management plans. In other instances (land use and flood management), plans exist, but are not well coordinated.
B. Maximize stakeholder/community involvement and stewardship	1. Develop by 2009 a regional IRWM website to provide centralized public access to water management data and information.	A website is an obvious element of an overall outreach / public involvement strategy. We currently have a dedicated IRWM page as part of the Project Clean Water site. This target could be met by expanding the content of the existing site or through a new standalone site.
	2. Develop by 2008 and implement by 2010 regional approaches to water management education.	This target could be achieved by working through several existing efforts. For instance, the regional Stormwater Copermittees must develop a Regional Residential Outreach Program by January 2008. This plan will incorporate both urban runoff management and water conservation measures. The CWA is also leading a regional forum for coordinating regional water conservation efforts.
	3. Conduct water management outreach and solicit input from 2% of Region's population each year, including underserved and disadvantaged communities.	Working through forums such as those mentioned above, existing outreach messages and approaches could be modified to emphasize integration issues.
	4. Provide "hands-on" stewardship opportunities in the region's watersheds to 1% of Region's population each year, including underserved and disadvantaged communities.	Working through forums such as those mentioned above, existing outreach messages and approaches could be modified to emphasize integration issues.

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C. Effectively obtain, manage, and assess water resource data and information	1. Develop standards for the integration and assessment of water management data and information by 2010.	A considerable amount of monitoring and other program data could potentially be centralized and/or integrated to allow more holistic assessment and management for the region. Standards development is a requisite first step.
	2. Provide centralized public access to key water management data sets by 2010.	This would probably include a combination of centralizing selected data and providing contact info. The Common Ground project for San Diego Bay is a good example of an integrative and centralized approach.
D. Develop and maintain a diverse mix of water resources	1. Increase water conservation savings to a minimum of 79,960 acre-feet / year by 2010 and 108,400 acre-feet / year by 2030 (53% increase by 2030).	Targets are based on water resources goals included in the SDCWA 2005 Urban Water Management Plan and were developed by SDCWA in conjunction with its member agencies.
	2. Develop seawater desalination capability of 56,000 acre-feet / year within the region by 2015	Targets are included in the SDCWA 2005 Urban Water Management Plan.
	3. Increase recycled water use to 35,911 acre-feet / year by 2010 and 54,413 acre-feet / year by 2030 (72% increase by 2030).	Targets are based on water resources goals included in the SDCWA 2005 Urban Water Management Plan and were provided by the SDCWA member agencies.
	4. Increase groundwater supply within SDCWA service area to 47,175 acre-feet/year by 2010 and 52,575 acre-feet/year by 2030 (73% increase by 2030).	Targets are based on water resources goals included in the SDCWA 2005 Urban Water Management Plan and were provided by the SDCWA member agencies.
	5. Implement Colorado River conservation and transfer programs, resulting in deliveries of 277,700 acre-feet/year by 2030.	Targets are included in the SDCWA 2005 Urban Water Management Plan and consistent with the Quantification Settlement Agreement.
	6. In the SDCWA 2010 Urban Water Management Plan, include an analysis of the effect of climate change on future water supplies.	Climate change and its potential effect on water supply reliability is a growing concern to the public, elected officials, and water agencies. The SDCWA 2010 Urban Water Management Plan will include an analysis, based on available data, on the potential effects of climate change.
	7. Develop and implement regional drinking water source protection guidelines for the San Diego Region by 2012.	The City of San Diego has already developed guidelines for its drinking water sources, but they are advisory only, and rely on other agencies for implementation. Making them "regional" and getting them incorporated into other agencies' programs is not a simple matter. This target would provide support for doing so.

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	8. Meet groundwater supply and water quality objectives identified in the County's General Plan 2020 for groundwater-dependent communities by 2012.	Specific supply objectives are dependent on estimates of demand established through the County's General Plan.
E. Construct, operate, and maintain a reliable water infrastructure system	1. Develop facilities and manage supplies to ensure adequate emergency and carry-over deliveries.	Information from SDCWA Regional Water Facilities Master Plan.
	2. Expand by 2030 local treatment of imported and local surface water by approximately XXX MGD.	Information to be derived from agencies' long-term planning documents.
	3. Develop the conveyance facilities necessary to deliver a reliable supply and assure adequate resources to maintain existing conveyance systems.	Information to be derived from agencies' long-term planning documents.
F. Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding	1. Develop and implement regional standards for Low Impact Development (LID) practices by 2010.	The Stormwater Copermittees must complete and implement LID standards for new development and significant redevelopment by 2010.
	2. Develop and implement regional approaches to hydromodification management by 2010.	The Stormwater Copermittees complete and implement a program for new development and significant redevelopment by 2010.
	3. Reduce Impervious surfaces by XX% by 2012	Check watershed management plans for targets regarding imperviousness.
G. Further the scientific and technical foundation of water quality management	1. Assess XX% of surface and ground waters for beneficial use attainment by 2015.	Actual target should be worked out in consultation with RWQCB staff.
	2. Assess and validate XX% of Basin Plan beneficial uses and XX% of water quality objectives by 2017.	Actual target should be worked out in consultation with RWQCB staff.

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H. Effectively reduce sources of pollutants and environmental stressors	1. Implement Total Maximum Daily Loads (TMDLs) according to established schedules.	Adopted TMDLs include specific quantifiable targets for reductions and implementation schedules.
	2. Reduce or avoid the need for TMDLs by monitoring and managing impacts to receiving waters, with an emphasis on 303(d)-listed water bodies and other Environmentally Sensitive Areas.	This is primarily intended to support work that addresses 303(d) waterbodies before they get to the TMDL process; it also provides direct support for a statewide priority. ESAs include 303(d)-listed water bodies, Areas of Special Biological Significance, etc.
	3. Develop by 2012 a regional management plan for Total Dissolved Solids (TDS).	There is no existing effort to support this target. TDS is called out as a special concern because of the need to develop management strategies that crosscut water supply and water quality management programs.
	4. Develop and implement comprehensive source management strategies to address regionally-significant constituents (e.g., pathogens, nutrients, sedimentation / siltation).	Rather than establishing specific targeted plans for each of these constituents, this target is worded somewhat vaguely to allow flexibility, but to also underscore the need for regional strategies. In reality, some level of effort is underway for each of the three constituents through ongoing or planned TMDLs. None of these is truly regional.
I. Restore and maintain habitat and open space	1. Acquire or restore by 2012 approximately XX,XXX acres of habitat and open space.	This is broadly worded to encompass strategies such as acquisition, invasive species removal, and other restoration. A County-only MSCP target would be 13,500 acres, but to be regional, this would be expanded to include other efforts. Items 30-32 below are a subset of this total.
	2. Acquire or restore by 2012 XXX linear miles of functional riparian habitat and associated buffer habitat.	The L.A. County Plan targets 100+ miles.
	3. Acquire or restore by 2012 X,XXX acres of functional wetland habitat.	The L.A. County Plan targets 1,400 miles.
	4. Acquire or restore by 2012 approximately XX acres of vernal pool habitat.	A County-only target is 20 acres, but this would need to be expanded to include other parties.

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J. Optimize recreational opportunities	1. Develop XX,XXX acres of recreational open space, focused in underserved and disadvantaged communities.	The L.A. County Plan targets 30,000 acres.