



IMPERIAL IRWMP

Integrated Regional Water Management Plan

October 21, 2010, 9:00 A.M. –11:30 A.M.

SGD&E Renewable Energy Center

1425 Main Street, El Centro, CA 92243

CDWR Standards for Resource Management Strategies (RMS)

California Department Water Resources' (CDWR) RMS Standard is meant to encourage diverse water management approaches as a way to mitigate for uncertain future circumstances and to comply with state requirements (Public Resources Code §75026(a) and California Water Code §10541(e)(2)). RMS as defined in California Water Plan Update 2009 consist of projects, programs, or policies that help local agencies and governments manage their water and related resources. The Imperial IRWMP must document those RMS that were considered to meet the region's objectives and identify which RMS were incorporated into the plan. Effects of climate change on the Imperial Region must factor into RMS consideration. RMS to be considered must include are listed in Volume 2 of the CWP Update 2009 (CWP attached file, 2009 Vol. 2 RMS toc.docx).

IRWMP Approach to Review of RMS

In 2009, IID produced an initial evaluation of the RMS (*Draft IID Plan, 2009*). Since that time, CDWR has published CWP Update 2009 with revised RMS and the Proposition 84 IRWMP Guidelines. The Program Consultant will update the prior analysis to be consistent with CWP Update 2009 and the revised CDWR Guidelines/Standards, and to support development of the Imperial IRWMP. These interim deliverables will be used to facilitate Water forum discussion Forum and work group tasks regarding RMS to be included in the Imperial IRWMP.

Discussion of each RMS includes:

- A brief description of the strategy
- Discussion of how the strategy is currently applied within the Imperial Region
- Analysis of opportunities for application of the strategy
- Constraints to applying the strategy
- Relation to other water management strategies
- Potential to support adaption to climate change
- A preliminary findings and recommendation

It is anticipated that the work groups will make findings and recommendations regarding RMS for consideration by the Water Forum. The review and discussion of RMS may also:

- help prioritize the IRWMP goals and objectives (required)
- integrate RMS to meet goals and objectives
- formulate regional projects
- provide the framework for integrating stakeholder projects into a regional planning framework
- provide a basis for developing project review and evaluation criteria
- define strategies to adapt to climate change

Preliminary Evaluation of CDWR Resources Management Strategies

CDWR Grouping	CDWR Resources Management Strategy	Imperial IRWMP Planning Framework	Work Group
Increase Water Supply	Conjunctive Management & Groundwater Storage	GW banking is high priority for use of underruns; limited conjunctive use potential.	Project
	Desalination	Integrate with brackish groundwater development &/or drain water	
	Dewvaporation or Atmospheric Pressure Desalination	CDWR RMS - Other Strategies	
	Recycled Municipal Water	Integrate with disadvantaged community support strategy	
	Conveyance – Regional/local	Integrated with Recycling, Groundwater Banking	
Reduce Water Demand	Agricultural Water Use Efficiency	Existing program	Demand
	Urban Water Use Efficiency	Needs definition; part of strategy to integrate land use & water supply planning process	
	Industrial/Process Water Use Efficiency	Added - emphasis on cooling water requirements	
Improve Flood Management	Urban Runoff Management	CDWR RMS - Water Quality Strategy	Project
	Flood Risk Management	Emphasis on stormwater for cities	
Improve Operational Efficiency & Transfers	Water Transfers	Clarify/qualify. Needs analysis/discussion. No transfers out of region. Internal regional transfers/exchange; transfers into region (Non-IID supplies)	Policy
	Irrigated Land Retirement	From CDWR RMS: Other Strategies. Integrated here for purpose of review	
	Crop Idling for Water Transfers		
	System Reoperation	Being implemented under IID Definite Plan	
Improve Water Quality	Drinking Water Treatment & Distribution	Keep as part of disadvantaged community strategy	Project
	Matching Quality to Use	Promote use of poor quality water to beneficial use	
	Pollution Prevention	Existing programs	
	Salt & Salinity Management	Existing programs	
	Groundwater Remediation/Aquifer Remediation	Existing programs	
Practice Resources Stewardship	Economic Incentives (Loans, Grants, Water Pricing)	Conduct economic & financial analysis	Policy
	Ecosystem Restoration	Emphasis on mitigation banking for impacts of recycling wastewater	Project
	Agricultural Lands Stewardship	Existing programs	
	Water-Dependent Recreation	Integrate with mitigation banking where feasible to achieve multiple benefits	
	Recharge Area Protection	Keep as part of groundwater management effort; related to flood plain protection.	
Increase Water Supply	Precipitation Enhancement	Not Applicable	
	Surface Storage – CALFED	Not Applicable	
	Surface Storage – Regional/local	Not Applicable	
Improve Operational Efficiency & Transfers	Conveyance – Delta	Not Applicable	
Other Strategies	Fog Collection	Not applicable	
	Rainfed Agriculture	Not applicable	
	Water bag Transport/Storage Technology	Not applicable	
Practice Resources Stewardship	Forest Management	Not Applicable	
	Watershed Management	Not Applicable	