

# **Integrated Regional Water Management Catalog of Resources**



**Produced By: The California Department of Water Resources**

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## **IRWM Catalog of Resources Workbook**

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## Introduction

The Integrated Regional Water Management (IRWM) Program works with an array of stakeholders across the state. This Catalog of Resources Workbook highlights some of the resources and tools available to IRWM stakeholders to build capacity in their regions and encourage stakeholder engagement in the IRWM Program.

## State Planning Guidance

The documents linked below articulate the State's perspective on water management, including priority actions, resource management strategies, and the importance of IRWM to California's economy, public safety, and environmental sustainability; opportunities to engage in policy-level discussions of ways to improve California's water management future; and updates of progress toward implementation of the Human Right to Water Act of 2012.

California Water Action Plan:

[http://resources.ca.gov/docs/california\\_water\\_action\\_plan/Final\\_California\\_Water\\_Action\\_Plan.pdf](http://resources.ca.gov/docs/california_water_action_plan/Final_California_Water_Action_Plan.pdf)

California Water Plan (2013 Update): <http://www.waterplan.water.ca.gov/cwpu2013/index.cfm>

California Water Plan Topic-Based Caucuses: <http://www.waterplan.water.ca.gov/caucus/>

Californians without Safe Water and Sanitation (Draft Document):

[https://cwc.ca.gov/Documents/2014/04\\_April/April2014\\_Agenda\\_Item\\_9\\_Attach\\_2\\_Californians\\_without\\_Safe\\_Water\\_Draft\\_4-4-14.pdf](https://cwc.ca.gov/Documents/2014/04_April/April2014_Agenda_Item_9_Attach_2_Californians_without_Safe_Water_Draft_4-4-14.pdf)

## DWR IRWM Regional Services

The links below represent an array of services offered by the California Department of Water Resources' IRWM Program. All IRWM stakeholders are encouraged to make use of these resources, in partnership with their IRWM Region, DWR IRWM Program Regional Services Representative (RSR), or DWR's Regional Coordination (RC) Team. Contact information for IRWM Regions, RSRs, and RCs is available at [http://www.water.ca.gov/irwm/partnership/contact\\_locator.cfm](http://www.water.ca.gov/irwm/partnership/contact_locator.cfm).

DWR IRWM webpage: <http://www.water.ca.gov/irwm/>

DWR Regional Resources webpage: <http://www.water.ca.gov/irwm/resources/>

DWR Regional Coordination location tool: [http://www.water.ca.gov/irwm/resources/rc\\_finder.cfm](http://www.water.ca.gov/irwm/resources/rc_finder.cfm)

DWR IRWM Financial Assistance webpage: <http://www.water.ca.gov/irwm/grants/>

DWR Regional Partnership webpage: <http://www.water.ca.gov/irwm/partnership/>

DWR Strategic Plan webpage: <http://www.water.ca.gov/irwm/stratplan/>

DWR IRWM Related Resources: [http://www.water.ca.gov/irwm/other\\_resources/](http://www.water.ca.gov/irwm/other_resources/)

## **DWR IRWM Financial Assistance**

The links below connect IRWM stakeholders with information about financial assistance grants administered by the California Department of Water Resources to support integrated regional water management planning activities and project implementation. General questions or comments regarding the IRWM Grant Program can be emailed to: [DWR\\_IRWM@water.ca.gov](mailto:DWR_IRWM@water.ca.gov).

DWR IRWM Financial Assistance webpage: <http://www.water.ca.gov/irwm/grants/>

DWR IRWM FAB Contact Information: <http://www.water.ca.gov/irwm/grants/fundingarea.cfm>

DWR IRWM FAB Brochures: <http://www.water.ca.gov/irwm/grants/brochures.cfm>

DWR IRWM FAB Archive webpage: <http://www.water.ca.gov/irwm/grants/archive.cfm>

DWR IRWM List Serve Subscription webpage: <http://www.water.ca.gov/irwm/grants/subscribe.cfm>

DWR IRWM Plan Review Process webpage: <http://www.water.ca.gov/irwm/grants/prp.cfm>

DWR IRWM Grant Solicitation Schedule: [http://www.water.ca.gov/irwm/grants/docs/Index/Revised-Schedule\\_102714.pdf](http://www.water.ca.gov/irwm/grants/docs/Index/Revised-Schedule_102714.pdf)

DWR 2014 IRWM Program Guidelines:  
[http://www.water.ca.gov/irwm/grants/docs/Guidelines/P84\\_IRWM\\_GL\\_Drought2014\\_Final.pdf](http://www.water.ca.gov/irwm/grants/docs/Guidelines/P84_IRWM_GL_Drought2014_Final.pdf)

## **Disadvantaged Community Tools**

Below are links to tools available to support meaningful engagement of disadvantaged communities in addressing California's water management challenges as well as work products from recent IRWM disadvantaged community pilot projects and another DAC EPA case study. The 2012 Human Right to Water legislation and UC Berkeley analysis on the 2012 legislation are also included as information links. The link to the most up-to-date Appendix G of the IRWM Grant Program Guidelines is included as a reference for disadvantaged communities.

DWR Disadvantaged Community Mapping Tool:  
<http://www.water.ca.gov/irwm/grants/resourceslinks.cfm>

CalEnviroScreen 2.0 Mapping Application and Data: <http://www.oehha.ca.gov/ej/ces2.html>

Human Right to Water Legislation:  
[http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\\_id=201120120AB685&search\\_keywords=](http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201120120AB685&search_keywords=)

University of California, Berkeley, School of Law Human Right to Water Legislation Analysis  
(Implementation Framework for State Agencies):  
[http://www.law.berkeley.edu/files/Water\\_Report\\_2013\\_Interactive\\_FINAL.pdf](http://www.law.berkeley.edu/files/Water_Report_2013_Interactive_FINAL.pdf)

DWR IRWM Technical Support Services: [http://www.water.ca.gov/irwm/partnership/tech\\_services.cfm](http://www.water.ca.gov/irwm/partnership/tech_services.cfm)

DWR IRWM Facilitation Support Services:

[http://www.water.ca.gov/irwm/partnership/facilitation\\_services.cfm](http://www.water.ca.gov/irwm/partnership/facilitation_services.cfm)

Inyo-Mono DAC Pilot Report: [http://inyo-monowater.org/wp-](http://inyo-monowater.org/wp-content/uploads/2014/10/IM_DAC_whitePaper_20140930_FINALcopy4Submittal.pdf)

[content/uploads/2014/10/IM\\_DAC\\_whitePaper\\_20140930\\_FINALcopy4Submittal.pdf](http://inyo-monowater.org/wp-content/uploads/2014/10/IM_DAC_whitePaper_20140930_FINALcopy4Submittal.pdf)

Inyo-Mono DAC Pilot Documentary: <http://inyo-monowater.org/dac/findings/>

Kings Basin DAC Pilot Report: <http://www.kingsbasinauthority.org/projects-funding/completed-projects/dac-pilot-study/>

Coachella Valley DAC Pilot Report: [http://www.cvrwmg.org/docs/2014\\_02\\_25\\_CVRWMG-2014DACOutreachProgramReport\\_100200.pdf](http://www.cvrwmg.org/docs/2014_02_25_CVRWMG-2014DACOutreachProgramReport_100200.pdf)

Greater Los Angeles DAC Pilot Report:

[http://watershedhealth.org/Files/document/844\\_CWHDACStudy.pdf](http://watershedhealth.org/Files/document/844_CWHDACStudy.pdf)

EPA DAC Case Study: <http://www.epa.gov/ogwdw/dwsrf/pdfs/disadvantaged.pdf>

DWR IRWM Grant Program Guidelines (Appendix G – Disadvantaged Communities):

[http://www.water.ca.gov/irwm/grants/docs/Guidelines/P84\\_IRWM\\_GL\\_Drought2014\\_Final.pdf](http://www.water.ca.gov/irwm/grants/docs/Guidelines/P84_IRWM_GL_Drought2014_Final.pdf)

## **Tribal Engagement**

The links below offer guidance and resources for more meaningful engagement of California Native American Tribes in addressing California's water management challenges. Questions or comments for DWR's Tribal Policy Advisor can be emailed to: [tribalpolicyadvisor@water.ca.gov](mailto:tribalpolicyadvisor@water.ca.gov)

Tribes and IRWM - *How California Native American Tribes Can Engage in IRWM*:

[http://resources.ca.gov/docs/Final\\_IRWM\\_Tribal\\_Handout.pdf](http://resources.ca.gov/docs/Final_IRWM_Tribal_Handout.pdf)

California Department of Water Resources Tribal Policy Advisor: <http://www.water.ca.gov/tribal/>

California Water Plan Update 2013: <http://www.waterplan.water.ca.gov/cwpu2013/final/index.cfm>

California Water Plan Tribal Advisory Committee: <http://www.waterplan.water.ca.gov/tribal2/tac/>

California Statewide Groundwater Elevation Monitoring (CASGEM) and Tribal Lands:

<http://www.water.ca.gov/tribal/maps.cfm>

California Native American Heritage Commission: <http://www.nahc.ca.gov/>

Indian Health Services California Area, Drought 2014:

<http://www.ihs.gov/california/index.cfm/offices/office-of-environmental-health-engineering-oehe/division-of-sanitation-facilities-construction-dsfc/drought-2014/>

United States Department of the Interior Bureau of Indian Affairs: <http://www.bia.gov/>

A Guide to Building Cultural Awareness: <http://store.samhsa.gov/shin/content/SMA08-4354/SMA08-4354.pdf>

California Indian Tribal Relations – Training and Information:  
<http://calepa.ca.gov/Tribal/Training/default.htm>

## **Legislative Information**

The following links provide information from DWR's public affairs and legislative affairs offices, as well as specific information regarding the legislation guiding the DWR IRWM Grant Program. The link to the current State Senate and State Assembly maps are provided, as well as the Official California Legislative Information website for queries on past and current legislative bills.

DWR Public Affairs Office: <http://www.water.ca.gov/newsroom/pao/publicaffairs.cfm>

DWR Legislative Affairs Office: <http://www.water.ca.gov/legislation/>

DWR IRWM Grant Program Legislation: [http://www.water.ca.gov/irwm/grants/fundsource\\_legis.cfm](http://www.water.ca.gov/irwm/grants/fundsource_legis.cfm)

Official California Legislative Information: <http://leginfo.legislature.ca.gov/>

California State Assembly Maps:  
[http://www.legislature.ca.gov/legislators\\_and\\_districts/districts/assemblydistricts.html](http://www.legislature.ca.gov/legislators_and_districts/districts/assemblydistricts.html)

California State Senate Maps:  
[http://www.legislature.ca.gov/legislators\\_and\\_districts/districts/senatedistricts.html](http://www.legislature.ca.gov/legislators_and_districts/districts/senatedistricts.html)

## **Project Development and Evaluation Tools**

The following links offer guidance on project development and evaluation.

DWR Economic Analysis Guidance Documents Homepage:  
<http://www.water.ca.gov/economics/guidance.cfm>

Proposition 84 2014 IRWM Drought Grant Program Guidelines:  
<http://www.water.ca.gov/irwm/grants/guidelines.cfm>

## **Sustainability Concepts**

The link below provides a method of rating the sustainability of infrastructure, which may lend additional context to discussions of water management projects during the development and evaluation phases.

Envision™ Sustainable Infrastructure Rating System: <http://www.sustainableinfrastructure.org/rating/>

## Climate Change Tools

An abundance of tools are available to identify and address potential climate change impacts.

DWR Climate Change Local and Regional Resources Homepage:

<http://www.water.ca.gov/climatechange/resources.cfm>

Climate Change Handbook for Regional Water Planning (USEPA and DWR 2011):

<http://www.water.ca.gov/climatechange/CCHandbook.cfm>

Climate Change Handbook for Regional Planning, Appendix B – Vulnerability Assessment Checklist:

<http://www.water.ca.gov/climatechange/docs/Appendix%20B%20Vulnerability%20Assessment%20Checklist-Final.pdf>

DWR 2014 Tribal Communities Climate Change Vulnerability and Adaptation Matrices:

[http://www.water.ca.gov/climatechange/docs/ClimateChange\\_TribalMatrix\\_Final\\_2014.pdf](http://www.water.ca.gov/climatechange/docs/ClimateChange_TribalMatrix_Final_2014.pdf)

DWR 2012 CEQA Information for Grantees - Process, Greenhouse Gas Analysis, and Climate Change:

[http://www.water.ca.gov/climatechange/docs/CEQA\\_Information\\_for\\_Grantees\\_final\\_10-17-12.pdf](http://www.water.ca.gov/climatechange/docs/CEQA_Information_for_Grantees_final_10-17-12.pdf)

DWR 2011 Climate Change Vulnerability Matrix:

<http://www.water.ca.gov/climatechange/docs/CC%20Vulnerabilities%20Chart%20w%20schematic%20on%20back%2011X17%201-21-11.pdf>

DWR 2010 Document Clearing House: <http://www.water.ca.gov/climatechange/docs/IRWM-ClimateChangeClearinghouse.pdf>

California Adaptation Forum (August 2014):

<http://www.californiaadaptationforum.org/program/presentations>

Safeguarding California: Reducing Climate Risk – An update to the 2009 California Climate Adaptation Strategy (CNRA 2014): <http://resources.ca.gov/climate/safeguarding/>

State of California Sea-Level Rise Guidance Document (2013):

[http://www.opc.ca.gov/webmaster/ftp/pdf/docs/2013\\_SLR\\_Guidance\\_Update\\_FINAL1.pdf](http://www.opc.ca.gov/webmaster/ftp/pdf/docs/2013_SLR_Guidance_Update_FINAL1.pdf)

California Climate Adaptation Planning Guide (CalEMA and CNRA 2012):

[http://resources.ca.gov/climate/safeguarding/adaptation\\_policy\\_guide/](http://resources.ca.gov/climate/safeguarding/adaptation_policy_guide/)

CalAdapt - Interactive climate change website: <http://cal-adapt.org/>

California Climate Commons – web portal for climate change data, resources, and guidance:

<http://climate.calcommons.org/>

Sierra Climate Change Toolkit by Sierra Nevada Alliance: <http://upperpit.org/library/documents-data/sierra-climate-change-tool-kit/view>



Upper Pit document depository on planning watershed eco-restoration projects:

<http://upperpit.org/library/documents-data>

Managed Aquifer Recharge Symposium (NWRI 2011):

<http://www.nwri-usa.org/RechargeSymposium.htm>

U.S. Climate Resilience Toolkit: <http://toolkit.climate.gov/>

Being Prepared for Climate Change: A Workbook for Developing Risk-Based Adaptation Plans:

[http://www2.epa.gov/sites/production/files/2014-09/documents/being\\_prepared\\_workbook\\_508.pdf](http://www2.epa.gov/sites/production/files/2014-09/documents/being_prepared_workbook_508.pdf)

Being Prepared for Climate Change: A Workbook for Developing Risk-Based Adaptation Plans –  
Checklists of Potential Climate Change Risks, from Step 3:

[http://www2.epa.gov/sites/production/files/2014-09/documents/being\\_prepared\\_workbook-step3\\_checklists\\_508.pdf](http://www2.epa.gov/sites/production/files/2014-09/documents/being_prepared_workbook-step3_checklists_508.pdf)

## Groundwater Information

The following links provide information on the recent Groundwater Sustainability Management Act passed in 2014 and DWR's CASGEM monitoring and basin prioritizations.

DWR Groundwater Information Center Homepage: <http://www.water.ca.gov/groundwater/index.cfm>

Groundwater Sustainability Management Act Information Homepage:

[http://www.water.ca.gov/groundwater/groundwater\\_management/legislation.cfm](http://www.water.ca.gov/groundwater/groundwater_management/legislation.cfm)

DWR CASGEM Program Homepage: <http://www.water.ca.gov/groundwater/casgem/>

DWR CASGEM Monitoring Entities Homepage:

<http://www.water.ca.gov/groundwater/casgem/entities.cfm>

DWR CASGEM Basin Prioritization Homepage:

[http://water.ca.gov/groundwater/casgem/basin\\_prioritization.cfm](http://water.ca.gov/groundwater/casgem/basin_prioritization.cfm)

## Other Grant Programs

The following links provide information on grant programs administered at the state and federal level.

California Financing Coordination Committee: <http://www.cfcc.ca.gov/>

State Grant Programs: <http://www.grantsloans.water.ca.gov/>

State Water Board Small Wastewater Grant Program:

[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/small\\_community\\_wastewater\\_grant/strategy.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/small_community_wastewater_grant/strategy.shtml)

California Coalition for Rural Housing: [http://www.calruralhousing.org/?page\\_id=100](http://www.calruralhousing.org/?page_id=100)

California Tribal TANF Program: <http://tribaltanf.cdss.ca.gov/>

DWR Grant Programs: <http://www.water.ca.gov/nav/index.cfm?id=103>

DWR Water-Energy Grant Program: <http://www.water.ca.gov/waterenergygrant/index.cfm>

EPA Wastewater Grant Program: <http://water.epa.gov/type/watersheds/wastewater/eparev.cfm>

EPA Drinking Water Tribal Set-Aside Funds: <http://www.epa.gov/region9/funding/dwtsa.html>

## **Additional Resources**

The following resource links have been included for reference or by request. These links provide connection to organizations that support IRWM stakeholders, tribes, and disadvantaged communities.

Rural Community Assistance Corporation: <http://www.rcac.org/home>

California Rural Water Association: <http://www.calruralwater.org/>

Environmental Justice Coalition for Water: <http://www.ejcw.org/>

California Indian Legal Services: <http://www.calindian.org>

California Rural Legal Assistance: <http://www.crla.org>

Self-Help Enterprises: <http://www.selfhelpenterprises.org/>

Community Water Center: <http://www.communitywatercenter.org/>

State Water Resources Control Board Water Rights: <http://www.waterboards.ca.gov/waterrights/>

State Water Board - Drinking Water Program's Capacity Development Program:  
[http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/TMF.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/TMF.shtml)

California State University Sacramento, Office of Water Programs: <http://www.owp.csus.edu/>

American Water Works Association, California-Nevada Section: <http://ca-nv-awwa.org/canv/web/>

California Department of Conservation – Resource Conservation Assistance:  
(<http://www.conservation.ca.gov/dlrp/RCD/Pages/Index.aspx>)

Integration of Traditional Ecological Knowledge in Environmental Science, Policy and Decision-Making:  
[http://epa.gov/osp/tribes/pdf/Integration\\_TEK\\_EnvironmentalSciencePolicyDecisionMaking%20Tribal%20Priority\\_Final.pdf](http://epa.gov/osp/tribes/pdf/Integration_TEK_EnvironmentalSciencePolicyDecisionMaking%20Tribal%20Priority_Final.pdf)

U.S. Department of the Interior Bureau of Indian Affairs – Traditional Ecological Knowledge:  
<http://www.bia.gov/nifc/fuels/ecoknw/index.htm>