

## Attachment

## 1

## Greater Los Angeles County Region

*IRWM Implementation Grant Proposal**Authorization and Eligibility Requirements***Introduction**

Attachment 1 consists of the following items:

- Authorizing Documentation
- Eligible Applicant Documentation
- Acknowledgement Form – Submittal of Additional Information
- Adopted IRWM Plan and Proof of Formal Adoption
- Project Consistency with an adopted IRWM Plan
- Urban Water Management Plan Compliance
- Agricultural Water Management Compliance
- Surface Water Diverter Compliance
- Groundwater Management Compliance
- CASGEM Compliance
- Water Conservation Programs and Measures

**Authorizing Documentation**

The Resolution to Apply for Integrated Regional Water Management Round 3 Implementation Grant Funds (Proposition 84) was adopted by the County of Los Angeles Board of Supervisors on May 13, 2014 and authorizes the Los Angeles County Flood Control District (LACFCD) to submit this Greater Los Angeles County Region IRWM Implementation Grant Proposal and execute an agreement with the State of California for IRWM planning activities (see Appendix 1-1).

**Eligible Applicant Documentation**

This Greater Los Angeles County IRWM Implementation Grant Proposal is being submitted by the LACFCD. Per the adopted Memorandum of Understanding for Integrated Regional Water Management Planning and Implementation (see Appendix 1-2), the Regional Water Management Group (RWMG) agrees to abide by the Operating Guidelines which determine that the LACFCD shall have overall responsibility for submitting all applications to the State on behalf of the parties (see Appendix 1-3). LACFCD is submitting this grant proposal on behalf of the following RWMG entities:

- Los Angeles Department of Water and Power (LADWP)
- Water Replenishment District of Southern California (WRD)
- City of Torrance
- West Basin Municipal Water District (WBMWD)
- Upper San Gabriel Valley Municipal Water District (USGVMWD)
- Las Virgenes Municipal Water District (LVMWD)

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**Authorization and Eligibility Requirements**

LACFCD is also submitting this grant proposal on behalf of the following non-RWMG entities:

- City of Burbank Water and Power (BWP)
- City of Inglewood
- Crescenta Valley Water District CVWD)
- Puente Basin Water Agency (PBWA)

LACFCD's qualifications as an eligible applicant in accordance with IRWM Program Guidelines are as follows:

1. LACFCD is a local public agency as defined in Appendix B of the IRWM Grant Program Guidelines. LACFCD provides flood protection, water conservation, recreation and aesthetic enhancement within its boundaries.
2. LACFCD is a flood control district adopted under the Los Angeles County Flood Control Act by the State Legislature in 1915 (see Appendix 1-4).
3. LACFCD has legal authority to enter into a grant agreement with the State of California. Per the adopted *Memorandum of Understanding for Integrated Regional Water Management Planning and Implementation* (see Appendix 1-2), the RWMG agrees to abide by the *Operating Guidelines* which determine that the LACFCD shall have overall responsibility for submitting all applications to the State on behalf of the parties (see Appendix 1-3). The *Operating Guidelines* have expired but will be updated in the near future. The *Resolution to Apply for Integrated Regional Water Management Round 3 Implementation Grant Funds (Proposition 84)* was adopted by the County of Los Angeles Board of Supervisors on May 13, 2014 and authorizes the LACFCD to submit this *Greater Los Angeles County IRWM Implementation Grant Proposal* and execute an agreement with the State of California for IRWM activities (see Appendix 1-1).
4. The RWMG jointly developed and adopted a *Memorandum of Understanding for Integrated Regional Water Management Planning and Implementation* and *Operating Guidelines* (see Appendix 1-2). This MOU replaced the first MOU (adopted December 2008), and establishes that parties entering into the MOU "desire to continue to coordinate and share information concerning water resources and management planning programs and projects and other information for grant funding and IRWMP implementation, and to improve and maintain overall communication among the Parties. It is anticipated that coordination and information sharing among the Parties will assist the agencies in achieving their respective missions and contribute to the overall well-being of the GLAC IRWM Region. It is expected that all Parties will cooperate and coordinate with one another in order to achieve these goals". The MOU goes on to say that coordination and collaboration among parties will include "(s)olicitation of external funding for implementation of the IRWMP for the GLAC IRWM Region". In addition, the RWMG *Operating Guidelines* (Appendix 1-3) define the responsibilities of those taking part in the RWMG, and includes the responsibility of the Leadership Committee to "(a)dopt as necessary fiscal procedures to administer funds that may be received for purposes of development, administration and/or implementation of the Plan," and to "(e)stablish a project evaluation framework that is consistent across the Region for the purpose of quantifying project benefits to allow for the categorization and prioritization of projects based on the Water Management Areas and consistent with the Plan." The LACFCD was confirmed as the agency serving as Chair of the Leadership Committee at the January 23, 2013 meeting, which brings with it the role of submitting grant applications on behalf of the Region (see meeting notes in Appendix 1-5, p. 3).

## Acknowledgement Form

The 2014 IRWM Drought Grant Acknowledgement Form is included in Appendix 1-6 of this Attachment. A hard copy, wet signature has been provided to DWR as well.

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## Adopted Plan and Proof of Formal Adoption

The “Greater Los Angeles County Integrated Regional Water Management Plan” (IRWM Plan) was updated to be consistent with the 2012 IRWM Plan Standards, and was deemed consistent with the Plan Standards by the Department of Water Resources (DWR) on June 5, 2014. Appendix 1-7 contains the DWR letter of review and acceptance.

The IRWM Plan was adopted by the RWMG agencies and project proponents as shown in the below table. Appendix 1-8 contains the Proof of Adoptions for each of the Leadership Committee (RWMG agencies) and Project Proponents. The following agencies have adopted the IRWM Plan, however, the proof of adoption documents were not available at the time of this submittal, and will be sent to DWR by September 9, 2014: Metropolitan Water District of Southern California and Raymond Basin Management Board. The following agencies expect to adopt the IRWM Plan and send DWR the proof of adoption documents by September 9, 2014: Burbank Water and Power, City of Inglewood, and City of Torrance.

**Table 1-1: Greater Los Angeles County IRWM Plan Update Agency Adoption Information**

Agency	Leadership Committee Member or Project Proponent	Adoption Date
<b>Burbank Water and Power</b>	Project Proponent	July 22, 2014
<b>City of Inglewood</b>	Project Proponent	August 19, 2014
<b>City of Malibu</b>	Leadership Committee	June 23, 2014
<b>City of Torrance</b>	Leadership Committee and Project Proponent	July 22, 2014
<b>Council for Watershed Health</b>	Leadership Committee	December 19, 2013
<b>Crescenta Valley Water District</b>	Project Proponent	July 8, 2014
<b>Las Virgenes Municipal Water District</b>	Leadership Committee and Project Proponent	May 13, 2014
<b>Los Angeles County Flood Control District</b>	RWMG Member	May 20, 2014
<b>Los Angeles Department of Water and Power</b>	Leadership Committee and Project Proponent	June 17, 2014
<b>Main San Gabriel Basin Watermaster</b>	Leadership Committee	July 2, 2014
<b>Metropolitan Water District of Southern California</b>	Leadership Committee	July 8, 2014
<b>Mountains Recreation and Conservation Authority</b>	Leadership Committee	July 2, 2014
<b>Puente Basin Water Agency</b>	Project Proponent	May 29, 2014
<b>Raymond Basin Management Board</b>	Leadership Committee	July 16, 2014
<b>San Gabriel Basin Water Quality Authority</b>	Leadership Committee	June 18, 2014
<b>Sanitation Districts of Los Angeles County</b>	Leadership Committee	June 25, 2014
<b>Santa Monica Bay Restoration Commission</b>	Leadership Committee	June 19, 2014
<b>Upper San Gabriel Valley MWD</b>	Project Proponent	July 2, 2014
<b>Water Replenishment District of Southern California</b>	Leadership Committee and Project Proponent	May 15, 2014
<b>West Basin Municipal Water District</b>	Leadership Committee	June 30, 2014

## Project Consistency with an Adopted IRWM Plan

Projects included within this grant proposal are part of the 2013 IRWM Plan Update. The IRWM Plan allows for periodic updates to the list of water management projects or generally for inclusion in the plan via

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submission through an online database. The GLAC IRWM project list is currently hosted online at: <http://irwm.rmcwater.com/la/>. Notes from meetings in which projects were adopted into the 2013 Plan update are included in Appendix 1-9. The general process used to submit, review and select projects for the IRWM Plan is as follows:

1. Project Submittal: Project proponents submit projects through the GLAC IRWM Region's online project database
2. Project Review: Projects are reviewed by the respective subregion (smaller watershed-based subareas in the Greater Los Angeles County IRWM Region) to ensure that they meet the Proposition 84 Guidelines and IRWM Region objectives and targets, and that they can be implemented.
3. Project Selection: Subregions select projects for inclusion in the IRWM Plan if they meet the criteria listed in step 2, and indicate so in the online project list.

## Urban Water Management Compliance

There are twelve (12) urban water suppliers included as project proponents within this Proposal, including: LADWP, City of Torrance, Burbank Water and Power, West Basin MWD, Upper San Gabriel Valley MWD, City of Inglewood, Puente Basin Water Agency, Las Virgenes MWD, and Crescenta Valley Water District. Table 1-2 lists the agency names, contact names, contact phone numbers and email addresses for each of the urban water suppliers.

**Table 1-2: Urban Water Management Plan Contact Information**

Agency	Project Name	Contact Name	Contact Phone	Contact Email
<b>Burbank Water and Power</b>	Be a Water Saver Conservation Program	Kapil Kulkarni	818-238-3792	kkulkarni@burbankca.gov
<b>City of Inglewood</b>	Well No. 2 Rehabilitation	Barmeshwar Rai	310-412-5333	brai@cityofinglewood.org
<b>City of Torrance</b>	Goldsworthy Desalter Expansion	John Dettle	310-618-3059	jdettle@torranceca.gov
<b>Crescenta Valley Water District</b>	Rockhaven Well	David Gould	818-236-4119	dgould@cvwd.com
<b>Las Virgenes MWD</b>	Water Budget Based Rate Implementation	Jan Dougall	818-251-2167	jdougall@lvmwd.com
<b>LADWP</b>	Los Angeles-Burbank Groundwater System Interconnection	Chad Lamacchia	213-367-3222	chad.lamacchia@ladwp.com
<b>LADWP</b>	Mission Wells Improvement	Nohemi Rangel	213-367-4336	nohemi.rangel@ladwp.com
<b>LADWP</b>	Manhattan Well Improvement	Mark Ching	213-367-0794	mark.ching@ladwp.com

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Agency	Project Name	Contact Name	Contact Phone	Contact Email
<b>LADWP</b>	Terminal Island Water Reclamation Plant Advanced Water Purification Facility and Distribution System Expansion	Andrew Han	213-367-8753	andrew.han@ladwp.com
<b>Puente Basin Water Agency</b>	Pomona Basin Regional Groundwater Project	Jose Martinez	909-348-8240	jmartinez@wvwd.com
<b>Upper San Gabriel Valley MWD</b>	Recycled Water Program Expansion Project	Reymundo Trejo	626-443-2297	reymundo@usgvmwd.org
<b>West Basin MWD</b>	Recycled Water On-Site Retrofit Project	Leighanne Kirk	310-660-6225	leighannek@westbasin.org

### Urban Water Management Plan (UWMP) Compliance

As required by the Urban Water Management Planning Act (CWC §10610 et seq.), the agencies listed in Table 1-2 have submitted complete 2010 UWMPs to DWR. Per these requirements, these agencies are currently eligible to receive grant funds. Documentation that verifies that the 2010 UWMP addresses the requirements of the CWC is included in Appendix 1-10.

### Agricultural Water Management Compliance

None of the project proponents whose projects are included in this Proposal are agricultural water suppliers.

### AB 1420 Compliance

As defined in the IRWM Grant Program Guidelines, urban water suppliers must self-certify compliance with the requirements contained in AB 1420. Per these requirements, each of the urban water suppliers listed in Table 1-2 have submitted AB 1420 self-certification forms (see Appendix 1-11 for AB 1420 self-certification forms which have also been provided to DWR as wet signed, hard copies).

### Water Meter Compliance

As defined in the IRWM Grant Program Guidelines, CWC §525 et seq. requires urban water suppliers applying for IRWM grant funds to demonstrate that they meet the State's water meter requirements. Per these requirements, each of the urban water suppliers listed in Table 1-2 have submitted a Water Meter compliance form (see Appendix 1-12) which have also been provided to DWR as wet signed, hard copies.

### Surface Water Diverter Compliance

As defined in the IRWM Grant Program Guidelines, CWC §5100 requires surface water diverters to submit surface water diversion reports to the State Water Resources Control Board (SWRCB). LADWP is the only surface water diverter included in this grant proposal which must comply with the surface water diverter requirement. Below is the agency name, a contact person, contact phone number and email address for each surface water diverter's contact person, as well as compliance status. Appendix 1-13 contains the SWRCB verification documentation.

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Table 1-3: Surface Water Diverter Contact Information and Compliance Status

Agency	Compliance Status	Contact Name	Contact Phone	Contact Email
<b>Los Angeles Department of Water and Power</b>	Surface water diversion reports have been submitted as required by SWRCB	Lizabeth Calderon	213-367-2501	Lizabeth.Calderon@ladwp.com
		Saeed Jorat	213-367-1119	Saeed.Jorat@ladwp.com

## GWMP Compliance

Several projects included in this application may directly affect groundwater levels or quality, and are included in Table 1-4, which also includes the status of the applicable GWMP compliance option. Those projects that are not expected to impact groundwater are listed in Table 1-5, which also includes justification for this conclusion. See Appendix 1-14 for GWMP compliance forms, which have also been provided to DWR as wet signed, hard copies

Table 1-4: GWMP Compliance

Project	Agency Implementing Project	Project Agency Contact Name	Project Agency Contact Phone	Project Agency Contact Email
<b>Manhattan Wells Improvement</b>	LADWP	Mark Ching	213-367-0794	mark.ching@ladwp.com
<b>LA-Burbank Groundwater System Interconnection</b>	LADWP	Chad Lamacchia	213-367-3222	chad.lamacchia@ladwp.com
<b>Mission Wells Improvement</b>	LADWP	Nohemi Rangel	213-367-4336	nohemi.rangel@ladwp.com
<b>Terminal Island Water Reclamation Plant Advanced Water Purification Facility and Distribution System Expansion</b>	LADWP	Andrew Han	213-367-8753	andrew.han@ladwp.com
<b>Recycled Water Turnouts</b>	WRD	Jason Weeks	562-275-4253	jweeks@wrd.org
<b>Well No. 2 Rehabilitation</b>	City of Inglewood	Barmeshwar Rai	310-412-5333	brai@cityofinglewood.org
<b>Be a Water Saver Conservation Program</b>	City of Burbank Water and Power	Kapil Kulkarni	818-238-3792	kkulkarni@burbankca.gov

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Project	Agency Implementing Project	Project Agency Contact Name	Project Agency Contact Phone	Project Agency Contact Email
<b>Six Basins and Puente Basin Integrated Water Supply Project</b>	Puente Basin Water Agency (Walnut Valley Water District)	Michael Holmes	909-594-9532	mholmes@wwwd.com
<b>Six Basins and Puente Basin Integrated Water Supply Project</b>	Puente Basin Water Agency (Rowland Water District)	Ken Deck	562-697-1726	KDeck@rowlandwater.com
<b>Goldsworthy Desalter Expansion</b>	City of Torrance	Robert J. Beste	310-618-6258	rbeste@torranceca.gov
<b>Rockhaven Well</b>	Crescenta Valley Water District	David Gould	818-236-4119	dgould@cvwd.com
<b>West Coast Basin Barrier Project Unit 12 Injection and Observation Wells</b>	Los Angeles County Flood Control District	Eric Batman	626-458-6137	ebatman@dpw.lacounty.gov

Table 1-5: Groundwater Impacts Justification

Project	Justification for project not affecting groundwater
<b>Water Budget Based Rates Implementation (LVMWD)</b>	This project is a water use efficiency project that affects water demand only, and is not expected to directly affect groundwater levels or quality.
<b>Recycled Water On-Site Retrofit Project (West Basin MWD)</b>	This project will involve expanding the recycled water system to serve additional non-potable, direct use demands. Since this project will serve direct demands only and offset imported water supply, it is not expected to directly affect groundwater levels or quality.
<b>Upper San Gabriel Valley Municipal Water District Recycled Water Program Expansion (USGVMWD)</b>	This project will involve expanding the recycled water system to serve additional non-potable, direct use demands. Since this project will serve direct demands only and offset imported water supply, it is not expected to directly affect groundwater levels or quality.

CASGEM Compliance

As defined in the IRWM Grant Program Guidelines, CWC §10933.7 states that if the grant applicant or project proponents’ jurisdictions include unmonitored high and medium priority groundwater basins, and they match the list of potential monitoring entities identified in CWC §10927, they will not be eligible to receive 2014 IRWM Drought Grant funding. Table 1-6 lists each medium and high priority groundwater basins, monitoring entities and designation status, overlying applicant or proponent agency name, and overlying projects with latitude and longitude.

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All medium and high priority basins have either been assigned a monitoring entity, or agencies are in the process of applying to be the designated monitoring entity. Potential monitoring entities whose applications have not yet been accepted, including the City of Santa Monica and the Antelope Valley State Water Contractors Association (AVSWCA), are expected to become the designated monitoring entities prior to the grant award date. A map showing groundwater basin priorities, monitoring entities, applicant and proponent boundaries, and project locations is shown in Figures 1-1. The shapefiles of each agency's boundary and project locations are included as uploads to the GRanTS website.

Basins that do not yet have a monitoring entity include:

**Santa Monica Basin:** The City of Santa Monica has applied to be the designated monitoring entity for the Santa Monica Basin, and has been working closely with DWR's CASGEM group to complete the CASGEM compliance and notification requirements, and expects to be approved by DWR as the monitoring entity prior to the grant contract being executed. The following steps were provided to the City of Santa Monica by DWR to complete to be designated the monitoring entity:

1. Develop a figure to show the proposed CASGEM well monitoring network and where the wells are positioned within the Santa Monica Sub-basin.
2. Upload wells to the notification on the CASGEM OS.
3. Finalize the groundwater monitoring plan. Using the monitoring well network map and well construction information, identify areas within the Santa Monica Subbasin that have spatial data gaps. All data gaps must be identified and recognized in the groundwater monitoring plan.
4. Submit an email to DWR acknowledging that they have permission to release well construction information to the Public via the CASGEM Online System (OS). A copy of this email will be uploaded by DWR to the City's notification in the CASGEM OS.
5. After all required information have been submitted, DWR will complete its final review of the City's notification and recommend them for final designation consideration. The CASGEM program administrators in Sacramento are responsible for approving the final designation.
6. Once designated, the City will receive an official final designation letter signed by Paula Landis, Chief of DWR's Division of Integrated Regional Water Management.

**Antelope Valley Basin:** The Antelope Valley State Water Contractors Association (AVSCWA) has applied to be the designated monitoring entity for the Antelope Valley Basin. and has been working closely with DWR's CASGEM group to complete the CASGEM compliance and notification requirements, and expects to be approved by DWR as the monitoring entity prior to the grant contract being executed. The following steps were provided to AVSCWA by DWR to complete to be designated the monitoring entity:

1. Select monitoring wells
2. Develop Monitoring Plan
3. Develop an MOU
4. Get Bulletin 118 shapefile and upload to CASGEM website
5. Obtain well construction information and GPS coordinates
6. Obtain permission from USGS to use wells (email is OK)
7. Do batch upload to DWR website
8. After all required information have been submitted, DWR will complete its final review of AVSCWA notification and recommend them for final designation consideration. The CASGEM program administrators in Sacramento are responsible for approving the final designation.
9. Once designated, the AVSWCA will receive an official final designation letter signed by Paula Landis, Chief of DWR's Division of Integrated Regional Water Management.



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Table 1-6: Medium and High Priority Groundwater Basins, Monitoring Entities, and Overlying Proponents and Projects

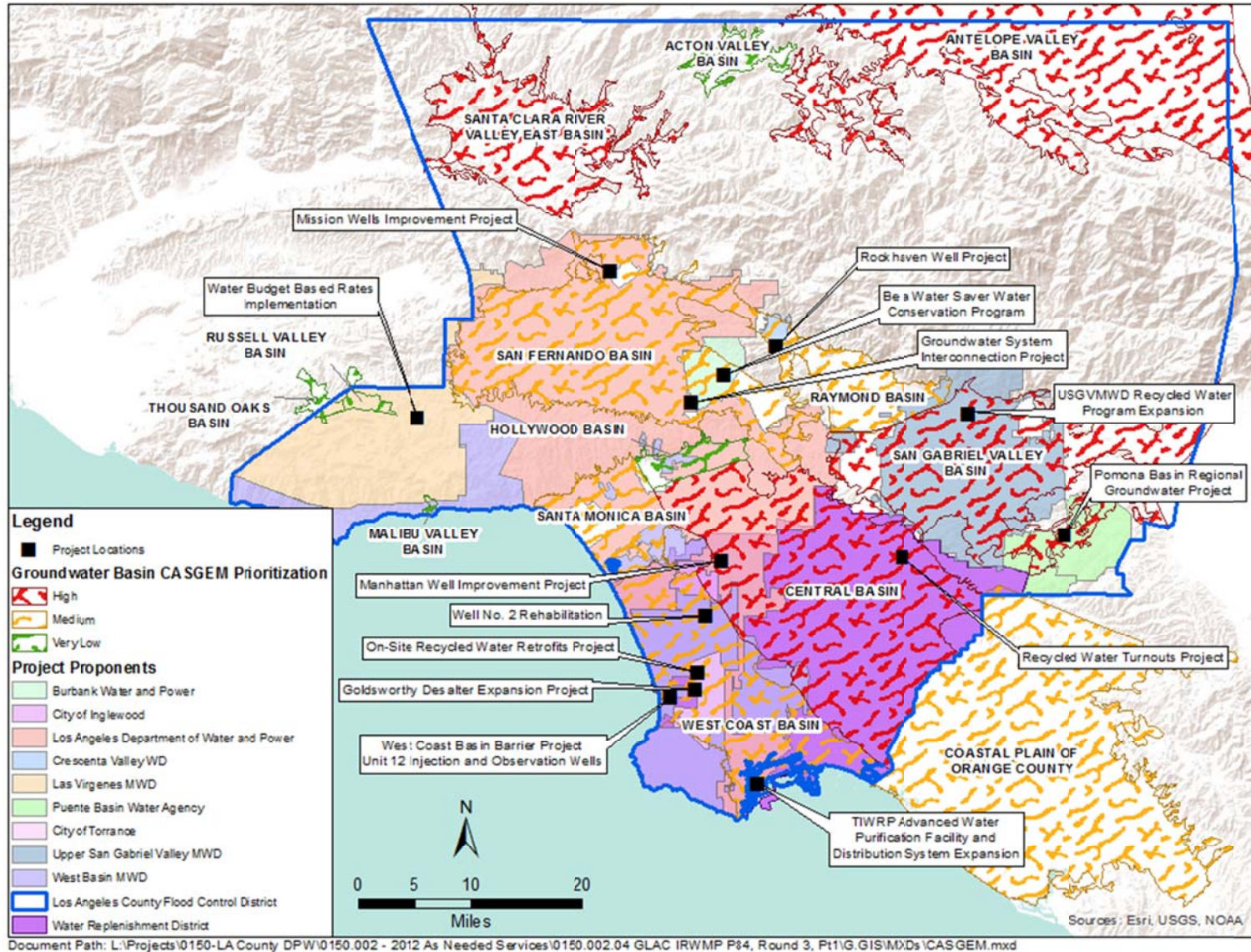
Groundwater Basin (Prioritization)	Monitoring Entity	Overlying applicant or proponents	Overlying Projects (latitude and long)
<b>San Fernando Basin</b> (Medium)	Upper Los Angeles River Area Watermaster	Los Angeles County Flood Control District Crescenta Valley Water District Los Angeles Department of Water and Power Burbank Water and Power Las Virgenes MWD	Mission Wells Improvement Project (34.29201, -118.45400) Groundwater System Interconnection Project (34.15227, -118.34934) Rockhaven Well (34.21194, -118.23917) Be a Water Saver Water Conservation Program (34.18084, -118.30897)
<b>Raymond Basin</b> (Medium)	Raymond Basin Management Board	Los Angeles County Flood Control District Upper San Gabriel Valley MWD	None
<b>San Gabriel Valley</b> (High)	Main San Gabriel Basin Watermaster Six Basins Watermaster Puente Basin Watermaster	Los Angeles County Flood Control District Puente Basin Water Agency Upper San Gabriel Valley MWD Los Angeles Department of Water and Power	Recycled Water Program Expansion Project (34.0072, -118.04936) Pomona Basin Regional Groundwater Project (34.00998, -117.86820)
<b>Central Basin</b> (High)	Water Replenishment District of Southern California	Los Angeles County Flood Control District Los Angeles Department of Water and Power West Basin MWD City of Inglewood	Manhattan Well Improvements Project (33.98273, -118.31124) Recycled Water Turnouts Project (33.98584, -118.07717)

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Groundwater Basin (Prioritization)	Monitoring Entity	Overlying applicant or proponents	Overlying Projects (latitude and long)
<b>West Coast Basin</b> (Medium)	Water Replenishment District of Southern California	Los Angeles County Flood Control District City of Torrance Los Angeles Department of Water and Power West Basin MWD City of Inglewood	Well No. 2 Rehabilitation Project (33.92379, -118.33134) On-Site Recycled Water Retrofits Project (33.86319, -118.34230) Goldsworthy Desalter Expansion Project (33.84475, -118.34466) West Coast Basin Barrier Project (33.83714, -118.37641) Terminal Island WRP Advanced Water Purification Facility and Distribution System Expansion (33.74371, -118.263319)
<b>Santa Monica Basin</b> (Medium)	City of Santa Monica (applied)	Los Angeles County Flood Control District Los Angeles Department of Water and Power West Basin MWD	None
<b>Coastal Plain of Orange County</b> (Medium)	Orange County Water District	Los Angeles County Flood Control District	None
<b>Antelope Valley</b> (High)	AVSWCA (applied)	Los Angeles County Flood Control District	None
<b>Santa Clara River Valley East</b> (High)	Santa Clarita Valley Cooperative Groundwater Monitoring Association	Los Angeles County Flood Control District	None

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Figure 1-1: Groundwater Basin CASGEM Prioritization, Project Locations and Project Proponent Service Areas



### Locally not Cost Effective Water Conservation Programs and Measures

As defined in the IRWM Grant Program Guidelines, CWC §10631.5(a)(4)(B) states that “not locally cost effective” means the present value of the local benefits of implementing a water conservation program or measure is less than the present value of the local costs of implementing that program or measure. None of the projects included in this Proposal include water conservation programs or measures whose total annualized cost exceeds its annualized local monetary benefits over the life of the project.