



Attachment
1-1

Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Authorizing Documentation

Attachment 1 consists of the following items:

Authorization and Eligibility Requirements. This attachment explains how the applicant, projects, and project proponents included within this Proposal meet the authorizing documentation and eligible applicant requirements set by the California Department of Water Resources (DWR) in the *Proposal Solicitation Package for the 2019 Proposition 1 Round 1 Implementation Grant Solicitation (2019 PSP)*. The attachment is comprised of nine separate files, each of which correspond to the applicable authorization and eligibility requirements described in the PSP:

- 1-1. Authorizing Documentation
- 1-2. Eligible Applicant Documentation
- 1-3. Submittal of an Updated IRWM Plan
- 1-4. Urban Water Management Compliance
- 1-5. Agricultural Water Management and Measurement Compliance
- 1-6. Surface Water Diverter Compliance
- 1-7. Groundwater Management Compliance
- 1-8. CASGEM Compliance
- 1-9. Stormwater Management Plan Compliance

Authorizing Documentation

Resolution 2019-11 was adopted by the Coachella Valley Water District (CVWD) Board of Directors on April 23, 2019 and authorizes CVWD to submit this Coachella Valley 2019 IRWM Implementation Grant Proposal and execute an agreement with the State of California for implementation of six priority water resources projects (see **Appendix 1-1**).



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RESOLUTION NO. 2019-11

**RESOLUTION OF THE BOARD OF DIRECTORS OF COACHELLA VALLEY
WATER DISTRICT ADOPTION OF THE 2018 COACHELLA VALLEY
INTEGRATED REGIONAL WATER MANAGEMENT/STORMWATER
RESOURCE PLAN UPDATE**

WHEREAS, water resource planning in the Coachella Valley is of the utmost importance to sustain the area's residents, businesses, and agriculture in a desert climate; and

WHEREAS, the State of California, Department of Water Resources (DWR) encourages integrated water resource planning and stormwater resource planning on a regional basis through Integrated Regional Water Management (IRWM) and Stormwater Resource (SWR) Plans, and by conditioning certain existing and possibly future grant funding programs – including Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 – to activities contained in IRWM and SWR Plans; and

WHEREAS, the Coachella Valley Regional Water Management Group (CVRWMG) is a collaboration of the six Coachella Valley public water and wastewater agencies: the Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, Indio Water Authority, Mission Springs Water District, and Valley Sanitary District; and

WHEREAS, the CVRWMG partners have committed through a Memorandum of Understanding to updating the 2010 Coachella Valley IRWM Plan to comply with the DWR's 2016 IRWM Plan Standards, and developing a SWR Plan Equivalent to comply with the DWR's 2015 Stormwater Grant Program Guidelines, collectively the 2018 Coachella Valley IRWM/SWR Plan Update; and

WHEREAS, the 2018 Coachella Valley IRWM/SWR Plan Update coordinates and shares information concerning water supply planning projects and stormwater planning projects; and

WHEREAS, the CVRWMG and Coachella Valley stakeholders have worked collaboratively to identify water and stormwater related issues and needs, establish regional goals and objectives, develop a project submittal and prioritization process, and provide recommendations on the projects and programs included in the 2018 Coachella Valley IRWM/SWR Plan Update.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Coachella Valley Water District adopts the 2018 Coachella Valley IRWM/SWR Plan Update and is committed to continued development and implementation of the Plan to help address the water and stormwater related needs of the Coachella Valley; and

BE IT FURTHER RESOLVED that we support and encourage the CVRWMG member agencies to adopt this 2018 Coachella Valley IRWM/SWR Plan Update to qualify for funding under Round 1 of the Proposition 1 IRWM Grant Program, Round 2 of the

Proposition 1 SWR Grant Program, and we encourage the DWR to fund grant applications that are prepared as a result of this Plan; and

BE IT FURTHER RESOLVED that the General Manager is hereby authorized to direct staff to prepare necessary data, conduct investigations, file applications, and execute grant agreements with the DWR in association with this application process; and

BE IT FINALLY RESOLVED that the Coachella Valley Water District pledges to continue working to develop the planning and projects that address long- and short-term solutions to the Coachella Valley's water and stormwater needs, address our regional goals and objectives, and improve the conditions and the quality of life for our communities.

PASSED AND ADOPTED by the Board of Directors of the Coachella Valley Water District, County of Riverside, State of California, on this 23rd day of April, 2019, by the following vote:

AYES: Powell, Estrada, Bianco, O'Dowd, Nelson


NOES: none

ABSENT: none



John P. Powell, President
Coachella Valley Water District

ATTEST:



Sylvia M. Bermudez, CMC
Clerk of the Board
Coachella Valley Water District



**Attachment
1-2**

**Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Eligible Applicant
Documentation**

Eligible Applicant Documentation

CVWD is an eligible applicant in accordance with the *2019 IRWM Grant Program Guidelines* (DWR, April 2019), because it is a local public agency of the State of California organized and operating under County Water District Law, California Water Code §30000, et seq. and Coachella District Merger Law, Water Code Section §33100, et seq. CVWD is a State Water Project Contractor and Colorado River Contractor empowered to deliver water supplies to its service area and has statutory authority over water supply.

Per the adopted *Memorandum of Understanding (MOU) among City of Coachella/Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, City of Indio/Indio Water Authority, Valley Sanitary District and Mission Springs Water District for Development of an Integrated Regional Water Management Plan*, as formalized in the Fourth Supplement to the MOU, CVWD has been designated as the administrating agency of this Implementation Grant as directed by the Coachella Valley Regional Water Management Group (CVRWMG) (see **Appendix 1-2**).

This *Coachella Valley 2019 IRWM Implementation Grant Proposal* is being submitted by CVWD on behalf of the following agencies:

1. Coachella Water Authority (CWA) – Castro Mobile Home Park
 - a. CWA is a public agency and has received IRWM grants in Prop 84 Round 4 (grant agreement no. 4600011522)
2. CVWD – CV Water Counts Regional Conservation Program
 - a. CVWD is a public agency and has received IRWM grants in Prop 1 DAC Implementation, Prop 84 Round 2, Prop 84, Round 3 and Prop 84 Round 4 (grant agreement no. 4600012245, 4600010577, 4600010887, and 4600011522, respectively)
3. CVWD – East Coachella Valley Water Supply Project – Avenue 66 Phase 2B
 - a. See description of CVWD eligibility in #2 above
4. Mission Springs Water District (MSWD) – Groundwater Quality Projection Project Sub Area M2-1
 - a. MSWD is a public agency and has received IRWM grants in Prop 84 Round 2 and Prop 84 Round 4 (grant agreement no. 4600010577 and 4600011522, respectively)
5. CVWD – East Coachella Valley Septic to Sewer Conversions – Monroe Street
 - a. See description of CVWD eligibility in #2 above
6. CVWD – Non-Potable Water System – Hovley Lane East
 - a. See description of CVWD eligibility in #2 above

Per terms stipulated in the 2019 PSP, because CVWD and all other proposed project sponsors have received an IRWM grant since January 1, 2012, additional eligible applicant information is not required within this Proposal.



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MEMORANDUM OF UNDERSTANDING
among
CITY OF COACHELLA/COACHELLA WATER AUTHORITY, COACHELLA
VALLEY WATER DISTRICT, DESERT WATER AGENCY, CITY OF
INDIO/INDIO WATER AUTHORITY, MISSION SPRINGS WATER
DISTRICT, AND VALLEY SANITARY DISTRICT
for
DEVELOPMENT AND IMPLEMENTATION OF THE COACHELLA VALLEY
INTEGRATED
REGIONAL WATER MANAGEMENT PLAN

This Memorandum of Understanding (MOU) dated August 27, 2014 is entered into among the City of Coachella/Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, City of Indio/Indio Water Authority, Mission Springs Water District, and Valley Sanitary District (collectively known as Members) for the purpose of coordinating water resources planning activities undertaken by the water entities. This MOU restates the agreement of the founding Members and incorporates all supplements to the original MOU listed below:

- Supplement 1 – April, 29 2010 – Consultant Retention IRWM Plan
- Supplement 2 – March 13, 2012 – Consultant Retention Plan Update and DAC Outreach
- Supplement 3 – August 8, 2012 – Implementation Grant Round 1
- Supplement 4 – February 22, 2013 – Consultant Retention CV-Strategies Outreach

WHEREAS, each Member has adopted a Resolution of commitment approving this MOU and committing to develop, update, and implement the Coachella Valley Integrated Regional Water Management Plan (CVIRWMP).

WHEREAS, it is in the interests of the Members and the region served by the Members that these water resources are responsibly managed and conserved to the extent feasible; and

WHEREAS, the Members wish to coordinate their long term water supply planning efforts in accordance with Section 10531 of the *Integrated Regional Water Management Planning Act of 2002* and Division 43 of the *Safe Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006* (Acts); and

WHEREAS, the Members anticipate the potential need for future agreements on specific activities, projects or programs and with other affected agencies to further coordinate long term water supply planning.

NOW, THEREFORE, it is mutually understood and agreed as follows:

SECTION 1: AUTHORITY OF MEMBERS

- 1.1. The Coachella Water Authority is a joint powers authority formed as a component of the City of Coachella and has statutory authority over water supply.
- 1.2. Coachella Valley Water District is a public agency of the State of California organized and operating under County Water District Law, California Water Code section 30000, et seq, and Coachella District Merger Law, Water Code section 33100, et seq. Coachella Valley Water District is a State Water Project Contractor and Colorado River Contractor empowered to import water supplies to its service area, and has statutory authority over water supply.
- 1.3. The Desert Water Agency is an independent special district created by a special act of the state legislature contained in chapter 100 of the appendix of the California Water Code. Desert Water Agency is also a State Water Project Contractor empowered to import water supplies to its service area, replenish local groundwater supplies, and collect assessments necessary to support a groundwater replenishment program as provided for in the Desert Water Agency Law and has statutory authority over water supply.
- 1.4. The Indio Water Authority is a joint powers authority of the City of Indio and the Indio Housing Authority and has statutory authority over water supply.
- 1.5. Mission Springs Water District is a County Water District formed under Section 30000 et seq of the California Water Code and has statutory authority over water supply.
- 1.6. The Valley Sanitary District is an independent special district governed under the California Sanitary Act of 1923. The District provides collection, wastewater treatment and water reuse services for customers in the eastern Coachella Valley since 1925.

SECTION 2: MEMBERSHIP CRITERIA

Membership criteria for participation as a Member includes:

- 2.1. Possess a water management responsibility in the Coachella Valley. This criterion could apply to but is not limited to the following entities:
 - a. Wholesale or retail water providers
 - b. Agricultural, recycled, and raw/surface water providers
 - c. Wastewater providers
 - d. Surface water rights holders
 - e. Regional flood/stormwater managers

- 2.2. Commit to adopting the 2014 CVIRWM Plan prior to membership and participate in future Plan Updates, as well as commit to good faith effort as a part of the CVIRWMG to approve the future Plan Updates
- 2.3. Actively participate in management and implementation of Coachella Valley IRWM program. This includes regular attendance at meetings of CVIRWMG, Planning Partners, and other essential meetings, as well as efforts necessary to review and comment on work products
- 2.4. Participate in funding current and future program costs.
- 2.5. Commit to transparency and accountability in governing body actions that relate to the Coachella Valley IRWM program.
- 2.6. Commit to adopt the MOU and abide by the Ground Rules.
- 2.7. Commit to work toward consensus in supporting the water management needs of the entire Coachella Valley.

SECTION 3: DEFINITIONS

The abbreviations and capitalized words and phrases used in this MOU shall have the following meanings:

- 3.1. Acts — mean Section 10531 of the Integrated Regional Water Management Planning Act of 2002 and California Water Code Division 43, known as the Safe Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006
- 3.2. Coachella Valley Region — the watershed bounded on the North by the San Bernardino Mountains, Little San Bernardino Mountains and Mecca Hills Area, on the East by Mortmar and Travertine Rock, on the South by the Santa Rosa Mountains and San Jacinto Mountains and on the West by Stubbe Canyon.
- 3.3. CVWD — Coachella Valley Water District
- 3.4. CVIRWMG — Coachella Valley Integrated Regional Water Management Group
- 3.5. CWA — Coachella Water Authority
- 3.6. DWA — Desert Water Agency
- 3.7. IRWMP — Integrated Regional Water Management Plan
- 3.8. CVIRWMP — Coachella Valley Integrated Regional Water Management Plan

3.9. IWA — Indio Water Authority

3.10. Planning Partners — primary stakeholder group for the Coachella Valley IRWM Program that provides direct input to the Members

3.11. MSWD — Mission Springs Water District

3.12. VSD — Valley Sanitary District

SECTION 4: PURPOSES AND GOALS OF THIS MOU

4.1. Purpose and Goals:

4.1.1. The purpose of this MOU is to memorialize the intent of the Members to coordinate and share information concerning water supply planning programs and projects and other information, and to improve and maintain overall communication among the Members involved. It is anticipated that coordination and information sharing among the Members will assist the agencies in achieving their respective missions to the overall well-being of the region. Coordination and information sharing shall focus on issues of common interest in Section 3.2.

4.1.2. The execution of the original MOU by the Members formed the Integrated Regional Water Management Group consisting of the Members, in accordance with the Acts. The Integrated Regional Water Management Group shall be named the Coachella Valley Integrated Regional Water Management Group (CVRIWMG) and shall be comprised of the Members listed in Section 1 and compliant with the membership criteria in Section 2.

4.1.3. The original goal of the Members was to prepare and adopt an IRWMP for the Coachella Valley Region, which was accomplished in 2010 and updated in 2014. Further their future goal is to implement projects, activities and programs individually or jointly in groups that address issues of common interest, as the group so identifies.

4.2. Common Issues and Interest:

4.2.1. Water supply programs and projects that may provide mutual benefits in improving water supply reliability and/or water quality.

4.2.2. Coordination of near-term and long-term water supply planning activities.

4.2.3. Development of regional approaches to problem-solving and issues resolution as well as to further common interest.

- 4.3. Future Agreements by Members: The Members acknowledge that by virtue of commitments and intentions stated within this MOU, the need for certain other considerations that will facilitate the update and implementation of the CVIRWMP for the Coachella Valley Region will emerge. Those considerations will be subject to the agreement of the parties and documented in subsequent supplements.

SECTION 5: JOINT PLANNING FOR PROJECTS AND PROGRAMS

- 5.1. Projects, Programs and Actions which are part of the Coachella Valley Integrated Regional Water Management Plan: it is the intent of the Members that they coordinate and collaborate to address the common issues identified. By consensus, the Members may develop and implement actions, projects and programs individually or jointly in groups of two or more, or enter into additional agreements in furthering those goals. This section shall not be construed as a means of removing general benefit projects from the management oversight of CVRIWMG, nor as a method of circumventing the decision resolution process outlined in the governance documents of the CVRIWMG. Applicable projects and programs include, but are not limited to the following:
- 5.1.1. Water conservation programs and other demand management programs.
 - 5.1.2. Water recycling, desalination, groundwater basin management, and water quality improvement programs and projects.
 - 5.1.3. Water banking, conjunctive use and transfer arrangements.
 - 5.1.4. Water storage development to improve system reliability, efficiencies, and flexibility.
 - 5.1.5. Project and program planning and development to solicit external funding.
 - 5.1.6. Other meritorious projects or programs consistent with the purposes of this MOU.
- 5.2. Communication and Coordination: It is the intent of the Members to generally meet on a monthly basis in order to carry out the purposes and goals of this MOU. The frequency and location of meetings are subject to the discretion of the Members and may be changed when appropriate.

The Members will also coordinate with stakeholders in the Coachella Valley through Planning Partners meetings and other correspondence at a frequency determined by the Members. The Planning Partners will provide opportunity for public comment on decisions directly related to the CVIRWMP development and implementation that are made by the governing bodies of the Members.

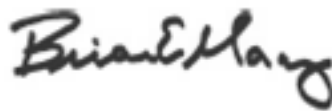
**SECTION 6:
TERMS AND CONDITIONS**

- 6.1. Term: The term of this MOU is indefinite. Any Member may withdraw from the MOU by written notice given at least 45 days prior to the effective date.
- 6.2. Construction of Terms: This MOU is for the sole benefit of the Members and shall not be construed as granting rights to any person other than the Members or imposing obligations on a Member to any person other than another Member.
- 6.3. Good Faith: Each Member shall use its best efforts and work wholeheartedly and in good faith for the expeditious completion of the objectives of this MOU and the satisfactory performance of its terms.
- 6.4. Rights of the Members: This MOU does not contemplate the Members taking any action that would:
- 6.4.1. Adversely affect the rights of any of the Members; or
- 6.4.2. Adversely affect the customers or constituencies of any of the Members.
- 6.5. This document and participation in this CVIRWMP are nonbinding, and in no way suggest that a Member may not continue its own planning and undertake efforts to secure project funding from any source.
- 6.6. Members shall contribute personnel and financial resources necessary to undertake the CVIRWMP efforts of the CVIRWMG. It is expected that Members will contribute equal shares to the current and future CVIRWM program costs as agreed by the CVIRWMG. These will be documented in subsequent supplements to the MOU.
- 6.7. From time to time, the CVIRWMG may apply for and receive funding from state or federal agencies, or other entities for projects of mutual benefit within the IRWM Region. The CVIRWMG may appoint a member agency or consultant to administer and coordinate the use of such funding. The administering agency shall not have any additional authority above the CVIRWMG Members regarding project implementation, funding redistribution or any other decisions related to such projects.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Understanding as of the day and year indicated on the first page of this MOU.



Jim Barrett
Coachella Valley Water District




Brian Macy
Indio Water Authority



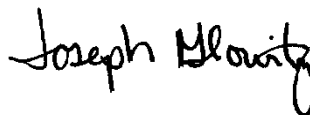
Arden Wallum
Mission Springs Water District



Dave Luker
Desert Water Agency



Kirk Cloyd Coachella Water Authority



Joseph Glowitz
Valley Sanitary District

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**Attachment
1-3**

**Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Submittal of an Updated
IRWM Plan**

Submittal of an Updated IRWM Plan

In 2018, the CVRWMG updated its 2014 Coachella Valley IRWM Plan to be consistent with the *2016 IRWM Grant Program Guidelines – Volume 2: IRWM Planning Standards* (DWR 2016) and CWC §10543. The 2018 update integrated the necessary components of the 2016 IRWM Plan standards with the *2015 Proposition 1 Stormwater Grant Program Guidelines* (SWRCB 2015) guidance for Storm Water Resources (SWR) Plans. The resulting *2018 Coachella Valley IRWM/SWR Plan* (CVRWMG 2018) was finalized in December 2018 and formally adopted by CVRWMG agencies' governing bodies.

The *2018 Coachella Valley IRWM/SWR Plan* was submitted to DWR on December 24, 2018. DWR issued a Draft Review of the 2018 Coachella Valley IRWM/SWR Plan on February 22, 2019, which initiated the beginning of the 30-day public comment period. DWR issued a Final Review to CVWD on April 9, 2019, indicating that no comments had been received and that DWR had determined that the 2018 Coachella Valley IRWM/SWR Plan is consistent with the IRWM Planning Act and the related IRWM Plan Standards contained in the *2016 IRWM Grant Program Guidelines*.

Table 1-1 below describes the status of IRWM Plan Adoption for each project sponsor (as well as all CVRWMG members) included within this *Coachella Valley 2019 IRWM Implementation Grant Proposal*. **Appendix 1-3** includes the IRWM Plan Adoption Form, the letter from DWR determining that the *2018 Coachella Valley IRWM/SWR Plan* is consistent with DWR guidelines, and proof of plan adoption by each CVRWMG member.

Table 1-1: IRWM Plan Adoption Status

Project Sponsor	Project Name	Status of IRWM Plan Adoption
CVWD	CV Water Counts Regional Conservation Program East Coachella Water Supply Project – Avenue 66 Phase 2B East Coachella Valley Septic to Sewer Conversions – Monroe St Non-Potable Water System – Hovley Lane East	CVWD adopted on April 23, 2019. Proof of Adoption provided in Appendix 1-3 (Resolution No. 2019-11)
CWA	Castro Mobile Home Park Participant in CV Water Counts	CWA adopted on September 25, 2019. Proof of Adoption provided in Appendix 1-3 (City of Coachella Meeting Minutes)
MSWD	Groundwater Quality Protection Project – Sub Area M2-1 Participant in CV Water Counts	MSWD adopted on May 20, 2019. Proof of Adoption provided in Appendix 1-3 (MSWD Meeting Minutes)
DWA	Participant in CV Water Counts	DWA adopted on May 21, 2019. Proof of Adoption provided in Appendix 1-3 (DWA Meeting Minutes)
IWA	Participant in CV Water Counts	IWA adopted on May 1, 2019. Proof of Adoption provided in Appendix 1-3 (Resolution No. 10080)
VSD	CVRWMG member	VSD adopted on April 23, 2019. Proof of Adoption provided in Appendix 1-3 (Resolution No. 2019-1112)



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Appendix 1-3

California Department of Water Resources Integrated Regional Water Management Grant Programs

IRWM PLAN ADOPTION FORM

To simplify submittal and tracking of proof of plan adoption, DWR is providing a single process to collect and track adoption information. Regional Water Management Groups (RWMGs) need to submit scanned copies of signed plan adoption resolutions or other appropriate documentation from RWMG members and project proponents along with this form. DWR will record, track, and transmit the information to DWR grant managers and application review staff. RWMGs do not need to wait until all agencies adopt the plan; proof of plan adoption can be submitted as it is received. This completed form, along with scanned proof of adoption, should be emailed to Ted Daum at Theodore.Daum@water.ca.gov. If you have questions, please contact Ted at (916) 651-9292.

IRWM Region: Coachella Valley

IRWM Plan Title: 2018 Coachella Valley Integrated Regional Water Management and Stormwater Resource Plan

RWMG: Coachella Valley

RWMG Contact: Mike Nusser

Phone Number: 760 398 2661

Email: mnusser@cvwd.org

The following entities have adopted our 2016 IRWM Plan Standards compliant IRWM Plan:

Name	Role <i>check all that apply</i>	Submitted for <i>check all that apply</i>
Coachella Valley Water District	<input checked="" type="checkbox"/> RWMG <input checked="" type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
Coachella Water Authority	<input checked="" type="checkbox"/> RWMG <input checked="" type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
Mission Springs Water District	<input checked="" type="checkbox"/> RWMG <input checked="" type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
Desert Water Agency	<input checked="" type="checkbox"/> RWMG <input type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
Indio Water Authority	<input checked="" type="checkbox"/> RWMG <input type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
Valley Sanitary District	<input checked="" type="checkbox"/> RWMG <input type="checkbox"/> Project Proponent	<input checked="" type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2
	<input type="checkbox"/> RWMG <input type="checkbox"/> Project Proponent	<input type="checkbox"/> Implementation Round 1 <input type="checkbox"/> Implementation Round 2

Attach additional pages as necessary.

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



SENT VIA EMAIL

April 9, 2019

Mr. Jim Barrett
General Manager
Coachella Valley Water District
Post Office Box 1058
Coachella, California 92236

Subject: Final Review – Coachella Valley IRWM Plan

Dear Mr. Barrett:

This letter transmits the final review of consistency of the Coachella Valley Integrated Regional Water Management (IRWM) Plan (Plan) with the IRWM Planning Act and the related IRWM Plan Standards contained in the 2016 IRWM Program Guidelines (Guidelines). The Department of Water Resources (DWR) finished the draft review of the Plan and determined it to be consistent with the Guidelines. The draft Plan was then posted on DWR's website from February 25 to March 25, 2019 to satisfy the required 30-day public comment period and no comment was received. Therefore, DWR has made the final determination that the Plan is consistent with the Guidelines. The final review is posted on the following link: <https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>.

If you have any questions, please contact Ted Daum at (916) 651-9264 or Theodore.Daum@water.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Carmel Brown'.

Carmel Brown, P.E. Chief
Financial Assistance Branch
Division of Integrated Regional Water Management

cc: Ms. Terri Vorster
Coachella Valley Water District

IRWM Plan Review Form

(Per 2016 Plan Standards)

IRWM Planning Region:

Regional Water Management Group:

IRWM Plan Title:

Colorado River

Coachella Valley

2018 Coachella Valley Integrated Regional Water
Management & Stormwater Resource Plan

RESULT: PLAN IS SUFFICIENT

IRWM Plan Standard	Overall Standard Sufficient (yes/no)
Governance	Yes
Region Description	Yes
Objectives	Yes
Resource Management Strategies	Yes
Integration	Yes
Project Review Process	Yes
Impact and Benefit	Yes
Plan Performance and Monitoring	Yes
Data Management	Yes
Finance	Yes
Technical Analysis	Yes
Relation to Local Water Planning	Yes
Relation to Local Land Use Planning	Yes
Stakeholder Involvement	Yes
Coordination	Yes
Climate Change	Yes

Comments:

RESOLUTION NO. 2019-11

**RESOLUTION OF THE BOARD OF DIRECTORS OF COACHELLA VALLEY
WATER DISTRICT ADOPTION OF THE 2018 COACHELLA VALLEY
INTEGRATED REGIONAL WATER MANAGEMENT/STORMWATER
RESOURCE PLAN UPDATE**

WHEREAS, water resource planning in the Coachella Valley is of the utmost importance to sustain the area's residents, businesses, and agriculture in a desert climate; and

WHEREAS, the State of California, Department of Water Resources (DWR) encourages integrated water resource planning and stormwater resource planning on a regional basis through Integrated Regional Water Management (IRWM) and Stormwater Resource (SWR) Plans, and by conditioning certain existing and possibly future grant funding programs – including Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 – to activities contained in IRWM and SWR Plans; and

WHEREAS, the Coachella Valley Regional Water Management Group (CVRWMG) is a collaboration of the six Coachella Valley public water and wastewater agencies: the Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, Indio Water Authority, Mission Springs Water District, and Valley Sanitary District; and

WHEREAS, the CVRWMG partners have committed through a Memorandum of Understanding to updating the 2010 Coachella Valley IRWM Plan to comply with the DWR's 2016 IRWM Plan Standards, and developing a SWR Plan Equivalent to comply with the DWR's 2015 Stormwater Grant Program Guidelines, collectively the 2018 Coachella Valley IRWM/SWR Plan Update; and

WHEREAS, the 2018 Coachella Valley IRWM/SWR Plan Update coordinates and shares information concerning water supply planning projects and stormwater planning projects; and

WHEREAS, the CVRWMG and Coachella Valley stakeholders have worked collaboratively to identify water and stormwater related issues and needs, establish regional goals and objectives, develop a project submittal and prioritization process, and provide recommendations on the projects and programs included in the 2018 Coachella Valley IRWM/SWR Plan Update.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Coachella Valley Water District adopts the 2018 Coachella Valley IRWM/SWR Plan Update and is committed to continued development and implementation of the Plan to help address the water and stormwater related needs of the Coachella Valley; and

BE IT FURTHER RESOLVED that we support and encourage the CVRWMG member agencies to adopt this 2018 Coachella Valley IRWM/SWR Plan Update to qualify for funding under Round 1 of the Proposition 1 IRWM Grant Program, Round 2 of the

Proposition 1 SWR Grant Program, and we encourage the DWR to fund grant applications that are prepared as a result of this Plan; and

BE IT FURTHER RESOLVED that the General Manager is hereby authorized to direct staff to prepare necessary data, conduct investigations, file applications, and execute grant agreements with the DWR in association with this application process; and


BE IT FINALLY RESOLVED that the Coachella Valley Water District pledges to continue working to develop the planning and projects that address long- and short-term solutions to the Coachella Valley's water and stormwater needs, address our regional goals and objectives, and improve the conditions and the quality of life for our communities.

PASSED AND ADOPTED by the Board of Directors of the Coachella Valley Water District, County of Riverside, State of California, on this 23rd day of April, 2019, by the following vote:

AYES: Powell, Estrada, Bianco, O'Dowd, Nelson


NOES: none

ABSENT: none



John P. Powell, President
Coachella Valley Water District

ATTEST:



Sylvia M. Bermudez, CMC
Clerk of the Board
Coachella Valley Water District

AYES: Councilmember Beaman Jacinto, Councilmember Gonzalez, Mayor Pro Tem Martinez and Mayor Hernandez
NOES: None.
ABSTAIN: Councilmember Bautista.

b. Request adoption of the 2018 Coachella Valley Integrated Regional Water Management & Stormwater Resource Plan Update

Motion: To approve per staff recommendation.

Made by: Mayor Pro Tem Martinez

Seconded by: Councilmember Beaman Jacinto

Approved: 4-0, by the following roll call vote:

AYES: Councilmember Beaman Jacinto, Councilmember Gonzalez, Mayor Pro Tem Martinez and Mayor Hernandez

NOES: None.

ABSTAIN: Councilmember Bautista.

c. Approve lease agreement between City of Coachella and the Greater Coachella Valley Chamber of Commerce, for property located at 1515 Sixth Street, Coachella.

Motion: To continue item.

Made by: Mayor Hernandez

Seconded by: Mayor Pro Tem Martinez

Approved: 4-0, by the following roll call vote:

AYES: Councilmember Beaman Jacinto, Councilmember Gonzalez, Mayor Pro Tem Martinez and Mayor Hernandez

NOES: None.

ABSTAIN: Councilmember Bautista.

d. Approve 3-year lease agreement between City of Coachella and Alianza Coachella Valley, for 2835 square feet of property located at 1515 Sixth Street, Coachella; authorizing minor non-substantive changes by the City Attorney.

Motion: To approve per staff recommendation.

Made by: Mayor Hernandez

Seconded by: Councilmember Beaman Jacinto

Approved: 4-0, by the following roll call vote:

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**MINUTES
OF THE REGULAR MEETING
OF THE
DESERT WATER AGENCY
BOARD OF DIRECTORS**

May 21, 2019

DWA Board:	Joseph K. Stuart, President)	Attendance
	Patricia G. Oygur, Director)	
	James Cioffi, Director)	

Absent:	Kristin Bloomer, Vice President)
	Craig Ewing, Secretary-Treasurer)

DWA Staff:	Mark S. Krause, General Manager)
	Steve Johnson, Asst. General Manager)
	Martin Krieger, Finance Director)
	Sylvia Baca, Asst. Secretary of the Board)
	Kris Hopping, Human Resources Manager)
	Ashley Metzger, Outreach & Cons. Mgr.)

Consultant:	Michael T. Riddell, Best Best & Krieger)
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Public:	David Freedman, Palm Springs resident)
	Greta Carter, DHS resident/Agua Warriors)
	Simone Sandoval, Agua Warriors)
	Estela Rojas, DHS resident/Agua Warriors)
	Karl Baker, Desert Hot Springs resident)
	John Soulliere, MSWD)
	Deiter Crawford, Palm Springs resident)

18425. President Stuart opened the meeting at 8:00 a.m. and asked everyone to join Director Oygur in the Pledge of Allegiance. **Pledge of Allegiance**

General Manager Krause introduced newly hired employees: Victor Mendoza (Water Service Worker I), Thomas Murphy (Water Service Worker I), Paul Monroy (Laboratory Director), Rodrigo Hernandez (Water Service Worker I), Marquell Jones (Water Service Worker I) and Orlando Gonzalez (Water Service Worker I). **Employee Introduction**

18426. President Stuart called for approval of the April 15, 2019 Special Board meeting minutes. **Approval of 04/15/19 Special Board Mtg. Minutes**

Director Oygar moved for approval. After a second by, Director Cioffi, the minutes were approved by the following vote:

**Approval of 04/15/19
Special Board Mtg.
Minutes
(Cont.)**

AYES: Oygar, Cioffi, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

President Stuart called for approval of the April 16, 2019 Regular Board meeting minutes.

**Approval of 4/16/2019
Regular Board Mtg.
Minutes**

Director Oygar moved for approval. After a second by, Director Cioffi, the minutes were approved by the following vote:

AYES: Oygar, Cioffi, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

**General Manager's
Report**

18427. President Stuart called upon General Manager Krause to provide an update on Agency operations.

Mr. Krause provided an update on Agency operations and noted his meetings and activities for the past several weeks.

Committee Reports:
Finance 04/25/19 &
5/15/19

18428. President Stuart noted the minutes for the April 25, 2019 and May 15, 2019 Finance Committee meetings were provided in the Board's packet.

Executive 05/13/19

President Stuart noted the minutes for the May 13, 2019 Executive Committee meeting were provided in the Board's packet.

Conservation & Public
Affairs 0513/19

President Stuart noted the minutes for the May 13, 2019 Conservation & Public Affairs Committee meeting were provided in the Board's packet.

Public Comment

18429. President Stuart opened the meeting for public comment.

David Freedman

David Freedman stated on behalf of the City of Palm Springs, he wanted to thank DWA for their support and assistance at the Neighborhood USA Conference and specifically to Mrs. Metzger for the facility tour and water bottles.

Greta Carter

Greta Carter noted that Mission Springs Water District (MSWD) has managed Desert Hot Springs (DHS) water for 65 years and she expressed her opposition of DWA taking over DHS water.

Simone Sandoval explained DHS is known as a spa city and their identity is their water and expressed her opposition of DWA taking over DHS water.

**Public Comment
(Cont.)**
Simone Sandoval

Estela Rojas noted DHS has no representatives in Palm Springs and she expressed her opposition of DWA taking over DHS water.

Estela Rojas

John Soulliere noted he will be retiring from Mission Springs Water District and introduced Victoria Llort who will be his replacement. Mr. Soulliere continued speaking as a DWA ratepayer and MSWD employee that the SGMA action was not done in transparency, and to give MSWD back control of DHS water.

John Soulliere

Karl Baker stated he echoes the previous speakers. He also spoke in support of district elections. Continuing, Mr. Baker noted he would like more items removed from Closed Session and discussed in Open Session for transparency.

Karl Baker

There being no one else from the public wishing to address the Board, President Stuart closed the public comment period.

18430. President Stuart called upon Finance Director Krieger to present an overview of financial activities for the month of April 2019.

**Secretary-Treasurer's
Report (April)**

Finance Director Krieger reported that the Operating Fund received \$1,988,527 in Water Sales Revenue, \$70,736 in Reclamation Sales Revenue and \$63,838 in Construction Deposits. Included in the Miscellaneous receipts is \$45,976 from C-Power (Demand Response Rebate). \$2,121,744 was paid out in Accounts Payable. Year-to-date Water Sales are 8% under budget; Year-to-date Total Revenues are 6% under budget; and Year-to-date Total Expenses are 15% under budget. There were 22,651 active services as of April 30, 2019.

Operating Fund

Reporting on the General Fund, Mr. Krieger stated that \$1,705,561 was received in Property Tax Revenue, \$909,572 in Groundwater Assessments. \$646,918 was received in State Water Project refunds (for 2018 adjustments). \$568,191 was paid in State Water Project charges (YTD \$15,196,244) and \$285,678 paid for Sites Reservoir-Phase II charges. Mr. Krieger noted included in the "Payments/Fees" total is \$1,010,381 for Bond Service Principle/Interest payment (original bond issued \$19,720,000, Bond balance is \$17,635,000).

General Fund

Reporting on the Wastewater Fund, Mr. Krieger stated that \$52,540 was received in Sewer Capacity charges. \$2,533 was received in Sewer Contract payments (one Cathedral City Cove contract was paid in full with a remaining 37 contracts, Total delinquents are 16 (43%). \$92,713 was paid out in Accounts Payable.

Wastewater Fund

18431. President Stuart asked Outreach & Conservation Manager Metzger to present staff's request for adoption of 2018 Coachella Valley Integrated Regional Water Management Plan/Stormwater Resource Plan.

Action Items:
Request Adoption of
2018 CV IRWMP

Mrs. Metzger reported in December of 2018, The Coachella Valley Regional Water Management Group (CVRWMG) submitted the 2018 plan update for the Integrated Regional Water Management Plan (IRWMP) to the Department of Water Resources (DWR). In April, DWR gave final determination that the plan meets requirements.

Mrs. Metzger noted the update allows CVRWMG to continue to be eligible to receive Proposition 1 grant funding. CVRWMG has secured a \$211,982 Proposition 1 planning grant for the purposes of completing this update. The plan update cost \$289,684. After grant funding, the remainder of the cost to update the plan came from the CVRWMG member agencies for about \$13,000 per agency. DWA has requested grant funds for turf replacement and demonstration gardens.

Concluding her report, Mrs. Metzger noted the plan update also included adding a Stormwater Resource Plan component so that local agencies and cities can apply for stormwater grant funding.

Staff recommends the Board adopt the 2018 update of the Integrated Regional Water Management/Stormwater Resource Management Plan.

Director Cioffi made a motion to Adopt the 2018 update of the CV Integrated Regional Water Management/Stormwater Resource Plan. After a second by Director Oygur, the motion carried by the following vote:

AYES: Cioffi, Oygur, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

18432. President Stuart called upon General Manager Krause to report on the 2019/2020 Groundwater Replenishment Assessments Draft Engineer's Reports.

2019/2020
Groundwater
Replenishment
Assessments Draft Eng.
Reports

Mr. Krause stated at its April 16, 2019 meeting, the Board discussed the draft Engineer's Report. He indicated in the draft and final Replenishment Reports, the proposed Mission Creek, West Whitewater River and Garnet Hill Groundwater Replenishment Assessments will be set at \$155 per acre-foot. No substantive changes have been made to the draft. Mr. Krause then asked Mr. Scriven to discuss the revisions made.

Mr. Scriven noted the following changes to the report: 1) Estimate quantity of water available for 2019, 2) Some language changes for clarification, 3) Table 7 under "Other", 4) Exhibit 7 updated CVWD's 2019/20 Replenishment Charges.

Action Items:
(Cont.)

2019/2020
Groundwater
Replenishment
Assessments Draft Eng.
Reports

President Stuart moved to approve staff's recommendation. After a second by Director Oygard, the motion carried by the following vote:

AYES: Stuart Cioffi, Oygard,
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

Director Cioffi commended Mr. Scriven on his report.

18433. President Stuart called upon General Manager Krause to present staff's request to include Sites Related Charges in State Water Project Statement of Charges.

Request to include Sites
Related Charges in
SWP Stmt of Charges

Mr. Krause reported on February 5, 2019, Desert Water Agency's (Agency) Board authorized entering into the Sites Project Authority (Authority), 2019 Reservoir Project Agreement. This committed the Agency to an additional expenditure of \$390,000 for a grand total of \$705,250. Staff reported that the Agency and other State Water Contractor Members are investigating the possibilities of putting the costs of this project on their State Water Project Statement of Charges (SOC's).

Mr. Krause noted that before the end of September 2019, it is anticipated that the Agency will execute an agreement with the Department of Water Resources (DWR) allowing it to bill the Agency for its Sites Reservoir charges and send payment for said charges to the Authority. Additionally, there will also be an agreement between DWR and the Authority to allow for the billing and payments described above.

Mr. Krause noted that the Agency has not yet entered into an agreement with the Sites Project Authority for the years 2020, 2021 and beyond. However, the funds for these years must be collected in advance of an agreement to assure they are collected on the SOC's and to avoid a cash flow issue for the DWR. The Authority granted is contingent upon the Agency remaining a participant in the Sites Reservoir Project after 2019 and beyond. The Agency has the option to exit participation in the project consistent with its agreement, as may be amended with the Authority. If the Agency opts out of its agreement with the Authority, as authorized and consistent with said agreement, some future payments will no longer be due and payable consistent with said agreement.

Continuing his report Mr. Krause indicated there are two payment options available to pay the 2020 and 2021 Sites Reservoir estimated charges. One option is to pay cash for the charges. The other option is to finance payment of the charges through the Sites Project Authority, paying only the interest on the debt using a line of credit.

Action Items:
(Cont.)
Request to include Sites
Related Charges in
SWP Stmt of Charges

Concluding his report, Mr. Krause noted on April 19th the Agency indicated a preference to pay cash for its charges (PAYGO/Pay-As-You-Go). The PAYGO option will require cash payment of \$8,248,500 in 2020 (\$687,375/month). The Line of Credit (Interest Only) option would require a cash payment of \$295,500 in 2020 (\$24,625/month).

Staff requests approval of the Agency Sites Reservoir charges be included in its 2020 State Water Project Statement of Charges in accordance with the PAYGO option.

Director Oygur made a motion Authorizing the Department of Water Resources to include Sites Phase 2 charges in the Statements of Charges beginning in 2020. After a second by Director Cioffi, the motion carried by the following vote:

AYES: Oygur, Cioffi, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

18434. President Stuart called upon General Manager Krause to Request Board Approval to Execute Memorandum of Understanding (MOU) with U.S. Department of Interior, Bureau of Land Management to Prepare Environmental Impact Statement for Whitewater Replenishment Facility Project.

Request Board
Approval to Execute
MOU with U.S. Dept.
of Interior, BLM

Mr. Krause stated he is seeking board authorization for Desert Water Agency (DWA) to enter into a Memorandum of Understanding (MOU) with the Bureau of Land Management (BLM), known henceforth as the Partners. This MOU will lay the foundation for the Partners to work together to reauthorize the existing Whitewater River Groundwater Replenishment Facility (WRGRF) on public federal lands. The intent of the MOU is to establish the responsibilities for each of the Partners and provide a framework for the Partners to work together.

Mr. Krause reported the WRGRF was constructed in 1973 and is located in the Northwest of Palm Springs. The Coachella Valley Water District (CVWD) and DWA share the operation and maintenance of the WRGRF as well as the groundwater replenishment rights. The WRGRF allows CVWD and DWA to effectively manage and recharge the groundwater in the Indio Groundwater Subbasin. The recharge water

percolated into the WRGRF plays a critical role in allowing CVWD and DWA to comply with the Sustainable Groundwater Management Act (SGMA).

Action Items:
(Cont.)
Request Board
Approval to Execute
MOU with U.S. Dept.
of Interior, BLM

Continuing his report, Mr. Krause noted on May 2, 2017, the Board authorized the General Manager to enter into an MOU with the BLM and CVWD. At that time, one joint Environmental Impact Statement (EIS) and Environmental Impact Report (EIR) document was being created which would satisfy both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). Recently the BLM made the decision to separate the EIS and EIR into two distinct documents due to a potential conflict of interest with CVWD serving as both a Cooperating Agency under NEPA and as the applicant for the project. As a result, CVWD will no longer serve as a Cooperating Agency under NEPA. DWA is not listed as an applicant and, therefore, requested permission by the BLM to continue in its role as a Cooperating Agency under NEPA. The BLM granted said request. However, the BLM requires that DWA enter into a new MOU for preparation of the EIS document only.

Agency staff and counsel have reviewed the draft MOU, have made minor corrections, and have submitted the revised MOU to the BLM for approval.

Barring any significant material changes to the MOU document, Staff recommends that the Board authorize the General Manager to enter into an MOU with the BLM for the purpose of the reauthorization of the WRGRF on public federal lands.

Director Oygur moved to approve General Manager Krause to execute a MOU with the BLM to prepare environmental impact statement for Whitewater Replenishment Facility Project. After a second by Director Cioffi, the motion carried by the following vote:

AYES: Oygur, Cioffi, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

18435. President Stuart called upon Assistant General Manager Johnson to present staff's request to Recommend Contract Award for Construction of the 2018/2019 Replacement Pipelines.

Recommend Contract
Award for Construction
of the 2018/2019
Replacement Pipelines

Mr. Johnson reported on May 14, out of 6 bids received, Borden Excavating, Inc. submitted the lowest responsive bid of \$2,986,753 for the pipeline replacement project. The engineer's estimate is \$3,400,000.

As a result of the low bid received from Borden Excavating, Inc., the Agency will have additional funds remaining and staff is exploring the possibility of including additional streets for replacement.

Action Items:
(Cont.)
Recommend Contract
Award for Construction
of the 2018/2019
Replacement Pipelines

Staff recommends award of contract for the 2018/2019 Replacement Pipelines to Borden Excavating, Inc. for \$2,986,753.09.

Director Oygar moved to approve staff's recommendation of award of contract for the 2018/2019 Replacement Pipelines to Borden Excavating, Inc. for \$2,986,753.09. After a second by Director Cioffi, the motion carried by the following vote:

AYES: Oygar, Cioffi, Stuart
NOES: None
ABSENT: Ewing, Bloomer
ABSTAIN: None

In response to President Stuart, Mr. Johnson stated the project is approximately 3 miles.

18436. President Stuart called upon Agency Counsel Riddell to provide a report on the April 18, 2019 Board of Directors of the State Water Contractors meeting.

Discussion Items:
April 18, 2019 SWC
Contractors Mtg.

Mr. Riddell provided a report on the following items: 1) Closed Session, 2) Action Items, 3) SWP Operations, 4) Energy Objectives Update.

18437. President Stuart called upon Outreach & Conservation Manager Metzger to provide a report on the April Water Use Reduction Figures.

April Water Use
Reduction Figures

Mrs. Metzger reported that the Agency and its customers achieved a 28.7% reduction in potable water production during April 2019 compared to the same month in 2013. She noted the cumulative savings over the last twelve months is 17.7%.

18438. President Stuart and Director Cioffi reported their attendance at the ACWA Conference held in Monterey, CA. President Stuart noted that Secretary-Treasurer Ewing also attended the ACWA conference. In his absence, he provided notes on the various sessions he attended. President Stuart requested Assistant Secretary of the Board Baca provide a copy to all of the Board.

Directors' Report on
ACWA Conference
Attendance

18439. President Stuart noted that Board packets included Outreach & Conservation reports for April.

**Outreach &
Conservation – April
2019**

Outreach & Conservation Manager Metzger noted there would be security at the Whitewater River for the summer and a PSA is being filmed with CVWD, Riverside County Fire and Sheriff's Department and Palm Springs Fire Dept. regarding the danger of the fast moving water in the river and to keep out.

**Outreach &
Conservation
(Cont.)**

Mrs. Metzger gave an update regarding AB1304 Water supply contract: Native American tribes; DWA changed its position from Opposed to Opposed unless amended.

18440. Director Cioffi noted he will be speaking at the Desert Roundtable.

**Directors
Comments/Requests**

President Stuart reported he recently presented at the Palm Springs Lion's Club.

18441. At 10:00 a.m., President Stuart convened into Closed Session for the purpose of Conference with Legal Counsel, (A) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Agua Caliente Band of Cahuilla Indians vs. Coachella Valley Water District, et al; (B) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Mission Springs Water District vs. Desert Water Agency; (C) Existing Litigation, pursuant to Government Code Section 54959.9 (d) (1), Albrecht et al vs. County of Riverside; (D) Existing Litigation, pursuant to Government Code Section 54959.9 (d) (1), Abbey et al vs. County of Riverside; (E) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (2), Thurman W. Arnold III vs. Rupp, Medjian, Rupp, Levy, DWA; (F) Exposure to Litigation, pursuant to Government Code Section 54956.9 (d) (2), Alan Neil Freiman et al vs. Safari Park, Inc.; and (G) Exposure to Litigation, pursuant to Government Code Section 54956.9 (d) (2), Claim to Compel Elections by Division Pursuant to the California Voting Rights Act.

Closed Session:

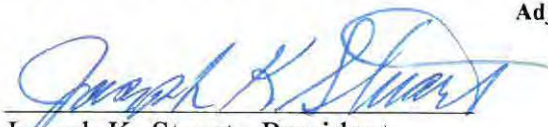
A. Existing Litigation – ACBCI vs. CVWD, et al.
B. Existing Litigation – MSWD vs. DWA
C. Existing Litigation – Albrecht et al vs. Riverside County
D. Existing Litigation – Abbey et al vs. Riverside County
E. Existing Litigation – Thurman W. Arnold III vs. Rupp, Medjian, Rupp, Levy, DWA
F. Exposure to Litigation – Alan Neil Freiman, et al vs. Safari Park, Inc.
G. Exposure to Litigation – Claim to Compel Elections by Division Pursuant to the CVRA

18442. At 11:45 a.m., President Stuart reconvened the meeting into open session and announced there was no reportable action taken.

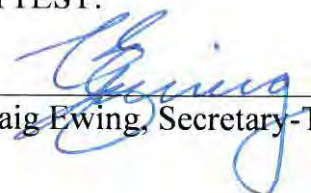
**Reconvene – No
Reportable Action**

18443. In the absence of any further business, President Stuart adjourned the meeting at 11:46 a.m.

Adjournment


Joseph K. Stuart, President

ATTEST:


Craig Ewing, Secretary-Treasurer

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RESOLUTION NO. 10080

RESOLUTION OF THE INDIO WATER AUTHORITY AND THE CITY COUNCIL OF THE CITY OF INDIO, CALIFORNIA, ADOPTING THE 2018 COACHELLA VALLEY INTEGRATED REGIONAL WATER MANAGEMENT AND STORMWATER RESOURCE PLAN

WHEREAS, water resource planning in the Coachella Valley is of utmost importance to sustain the area's residents, businesses, and agriculture in a desert climate; and

WHEREAS, the mission of the City of Indio/Indio Water Authority includes management of water resources and environmental quality throughout its service area; and

WHEREAS, the City of Indio/Indio Water Authority has participated in the development of the Coachella Valley Integrated Regional Water Management (IRWM) Plan pursuant to Senate Bill 1672 (SB 1672) of the State of California, known as the Integrated Regional Water Management Planning Act of 2002, approved by the Governor on September 20, 2002 to encourage local agencies to work cooperatively to manage local and imported water supplies to improve the quality, quantity, and reliability of regional water resources; and

WHEREAS, Indio Water Authority is a member of the Coachella Valley Regional Water Management Group, which comprises of the five public water agencies and one wastewater district within the Coachella Valley Integrated Water Management Region; and

WHEREAS, in 2010, CVRWGM developed an IRWM Plan for the region, and SB 1672 provides for the acceptance of said IRWM Plan by participants in the region that have the authority to implement the Plan; and

WHEREAS, the City Council/Indio Water Authority Board adopted the IRWM Plan on December 7, 2010 after a public hearing process; and

WHEREAS, in November 2006, California voters passed Proposition 84, the Safe Drinking Water, Water Quality, and Supply, Flood Control, River, and Coastal Protection Bond Act (PRC Section 75001-75130), which required that the IRWM Plan be updated to new guidelines in order to be eligible for Proposition 84 grant funding; and

WHEREAS, CVRWGM members worked collaboratively to make significant changes to the IRWM Plan in 2013 to meet Proposition 84 guidelines, requiring formal approval by the City Council/Indio Water Authority at its joint meeting of March 19, 2014; and

WHEREAS, in November 2014, California voters passed Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Assembly Bill 1471), which requires that the IRWM Plan be updated to be eligible for Proposition 1 IRWM grant funding; and

WHEREAS, CVRWMG conducted a stakeholder process to complete the 2018 update of the IRWM Plan to meet Proposition 1 guidelines and submitted the Plan to the California Department of Water Resources on December 24, 2018 for review; and

WHEREAS, consistent with Water Code section 10543, subdivision (b), CVRWMG invited and involved all interested parties in developing the Plan, which was made available for public review; and

WHEREAS, consistent with Water Code section 10543, subdivision (c), each of the individual members of the Coachella Valley Regional Water Management Group will be adopting the IRWM/SWR Plan at a noticed public hearing.

WHEREAS, the Coachella Valley IRWM/SWR Plan is a planning document exempt from CEQA (pursuant to CEQA Guidelines sections 15262, 15306 and 15307).

NOW, THEREFORE, THE INDIO WATER AUTHORITY AND THE CITY OF INDIO DOES RESOLVE AS FOLLOWS:

Section 1. The above recitals, and each of them, are true and correct.

Section 2. The Board of Directors of the Indio Water Authority and the City Council of the City of Indio (referred to herein as "Indio Water Authority") adopts the 2018 Coachella Valley Integrated Regional Water Management and Stormwater Resource Plan in the form on file with the Indio Water Authority and is committed to the continued development and implementation of the objectives of the Plan to help address the critical water related needs of the Coachella Valley.

Section 3. The Indio Water Authority supports and encourages the Coachella Valley Regional Water Management Group to adopt and submit funding proposals to the Department of Water Resources (DWR) to qualify for funding under Proposition 1 IRWM Grant Program, and Indio Water Authority encourages DWR to fully fund Coachella Valley Regional Water Management Group applications that are prepared as a result of the IRWM/SWR Plan.

Section 4. The Indio Water Authority pledges to continue working to develop plans and projects consistent with the IRWM/SWR Plan that address the long- and short-term solutions to the Valley's critical water needs, address regional goals and objectives, and improve the conditions and the quality of life for our communities.

Section 5. The General Manager of Indio Water Authority is authorized to execute any additional documents necessary in support of Coachella Valley Regional Water Management Group's grant applications for the Proposition 1 IRWM Grant Program and the Public Works Director is authorized to execute such documents necessary for stormwater grant applications under Proposition 1.

Section 6. The President/Mayor shall sign this resolution and the Secretary/City Clerk shall attest and certify to the passage and adoption thereof.

PASSED, APPROVED AND ADOPTED this 1st day of May, 2019, by the following vote:

AYES: Ortiz, Fermon, Holmes, Miller, Ramos Amith

NOES: None


LUPE RAMOS AMITH
PRESIDENT/MAYOR

ATTEST:


CYNTHIA HERNANDEZ CMC
AUTHORITY SECRETARY/
CITY CLERK

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**Mission Springs Water District Board of Directors
Regular Meeting Minutes
Monday, May 20, 2019 – 3 p.m.**

CALL TO ORDER: 3:01 P.M.

ROLL CALL AND ACTION ON EXCUSED ABSENCES

Directors Present: Wright, Grasha, Martin, Duncan
Directors Absent: Sewell
Staff Present: Wallum, Friend, Petee, Soulliere, Alzammar
Legal Counsel: John Pinkney

PLEDGE OF ALLEGIANCE

Led by President Duncan, led in prayer by Director Wright.

EMPLOYEE RECOGNITION (ACHIEVEMENTS/CERTIFICATIONS)

President Duncan acknowledged the following employees for their service to MSWD; Nancy Mezquita, Customer Service Representative III for 27 years; David Pena, Field Service Representative II for 14 years; Robert Lopez, Purchasing and Warehouse Specialist for 13 years and Ann Rogers, Customer Service Representative I for 3 years. Kelly Taylor is celebrating a milestone anniversary of 15 years but unfortunately is out, he will be acknowledged upon his return.

Mr. Friend acknowledged Ben Lopez who has been with the District for quite some time, he announced to the Board that Mr. Lopez is resigning from the MSWD this week.

PUBLIC INPUT

Ashley Metzger from DWA presented to the Board regarding a conservation rebate program they are offering to customers of Mission Springs Water District.

2018 COACHELLA VALLEY INTEGRATED REGIONAL WATER MANAGEMENT & STORMWATER RESOURCE PLAN

The Board adopted the 2018 Coachella Valley Integrated Regional Water Management and Stormwater Resource Plan, December 2018.

Mr. Ledbetter updated the Board on this management plan and the updates before the Board today. This plan addresses the requirements of the California Dept. of Water Resources Prop 1 grant program guidelines. The stormwater component will keep us eligible to receive stormwater resources grant funding.

Motion: Martin Second: Wright

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

AWARD OF CONTRACT FOR THE CONSTRUCTION OF THE N. INDIAN CANYON DRIVE SEWER CONSTRUCTION PROJECT

The Board awarded a contract for the construction of the N. Indian Canyon Drive Sewer Construction Project to Tri-Star Contracting II, Inc., the lowest responsible bidder, in the amount of \$514,583.44, plus a 10% contingency (total \$566,041.78), and authorize the General Manager to do all things necessary to complete the project.

Mr. Friend clarified the location and project intention.

Motion: Wright Second: Martin

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

CONTRACT AGREEMENT WITH LAYNE CHRISTENSEN COMPANY FOR THE REHABILITATION OF WELL 24

The Board awarded a contract agreement with Layne Christensen Company for the Rehabilitation of Well 24 Project, in the amount of \$217,512.92, plus a 10% contingency (total \$239,264.21), augment the capital budget creating a project for \$240,000, and authorize the General Manager to do all things necessary to complete the project.

Motion: Duncan Second: Grasha

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

RESOLUTION 2019-10 – ELECTING TO CREATE NEW SEWER USER FEES COUNTY FUND TO SEPARATE CITY UTILITY TAX ACCOUNTS AND TO COLLECT THE SAME ON THE TAX ROLLS UNDER CALIFORNIA HEALTH & SAFETY CODE SECTION 5470 et. seq.

The Board adopted Resolution 2019-10.

Motion: Wright Second: Martin

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

RESOLUTION 2019-11 - REIMBURSEMENT RESOLUTION

The Board adopted Resolution 2019-11 to receive eligible funding for the planning, design and construction of the West Valley Water Reclamation Program (WVWRP) by loan and/or principal forgiveness from the State Water Resources Control Board (SWRCB).

Motion: Duncan Second: Martin

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

MISSION SPRINGS WATER DISTRICT WEST VALLEY WATER RECLAMATION FACILITY

Update and discussion. Nothing further to add.

I-10 INDIAN SEWER COLLECTION SYSTEM FINANCING DISTRICT

Update and discussion.

Mr. Soulliere clarified for Director Grasha what stopped this project from moving forward with property owners in the past and why he feels this culture is changing.

CONSENT AGENDA

Consent agenda items are expected to be routine and non-controversial, to be acted upon by the Board at one time, without discussion. If a member would like an item handled separately, it will be removed from the Consent Agenda for separate action.

The Board approved the following Consent Agenda item(s):

Motion: Wright Second: Martin

Ayes:	Wright, Martin, Grasha, Duncan
Noes:	
Abstain:	
Absent:	Sewell

APPROVAL OF MINUTES

It is recommended to approve the minutes as follows:

Study Session Meeting – April 11, 2019

Regular Meeting – April 15, 2019

REGISTER OF DEMANDS

The Register of Demands totaling \$1,377,144.34

BILL OF SALE FOR GREEN HORIZONS PROJECT

It is recommended to approve the General Manager to execute the Bill of Sale for the Water and Sewer Infrastructure for the Green Horizons project located at 13300 Little Morongo Road, Desert Hot Springs as contributed assets.

(END OF CONSENT AGENDA)

FINANCIAL REPORT

Nothing further to add.

MONTHLY REPORTS

Nothing further to add.

UPCOMING EVENTS & DIRECTORS' REPORTS

Vice President Martin reported he attended the following events; 4/16 DHS City Council Meeting, 4/18 DVBA Networking Night, 4/18 Riverside County Business Conference, 4/18 Riverside County CSDA Luncheon with Jeff Hewitt, 4/24 DHS City Hall Ground-breaking, 4/29 Cabot's Board Meeting, 4/30 CVB Networking Night, 5/7-5/10 ACWA Spring Conference, 5/13 DHS Women's Club, 5/16 DVBA Networking Night, 5/18 Bar Association Event.

Director Wright reported she attended the following events; 4/29 CVEP, 5/5 - 5/10 ACWA/JPIA Conference.

President Duncan reported he attended the following events; 5/5 – 5/10 ACWA JPIA Conference, 4/23 CVWD Board Meeting, 4/16 DWA Board Meeting, 5/14 CVWD Board Meeting, 4/17 DVBA Luncheon
(4/16 DWA Board Meeting - President Duncan reported on the ruling of the tribal lawsuit and Mr. Wallum clarified the ruling.)

Director Grasha reported he attended the following events; 5/6- JPA Conference, 5/7 ACWA 101 Luncheon, 4/18 DVBA Network Night, 4/18 Riverside County CSDA Luncheon with Jeff Hewitt.

CORRESPONDENCE

Nothing further to add.

DISTRICT COUNSEL COMMENTS

John Pinkney announced closed session today.

GENERAL MANAGER'S REPORT

John Soulliere gave some final words culminating his time with MSWD.

Mr. Wallum continued to speak praises about John Soulliere. Additionally, he announced the sexual harassment training at the District tomorrow.

DIRECTORS' COMMENTS

Director Grasha congratulated Victoria Llort on coming aboard.

President Duncan congratulated John Soulliere and wished him luck in his future endeavors.

Vice President Martin also congratulated John Soulliere and gave him best wishes.

President Duncan announced that the General Managers Review packet will be ready for pick up next week.

RECESS: 4:22 P.M.

ADJOURN TO CLOSED SESSION: 4:27 P.M.

CLOSED SESSION

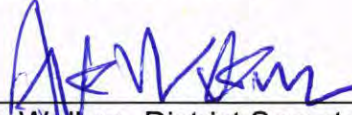
CONFERENCE WITH LEGAL COUNSEL REGARDING POTENTIAL
INITIATION OF LITIGATION pursuant to Government Code Section 54956.9(d)
(4). (One potential case)

REPORT ON ACTION TAKEN DURING CLOSED SESSION

No reportable action

ADJOURN: 5:10 P.M.

Respectfully submitted,



Arden Walum, District Secretary

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RESOLUTION NO. 2019-1112

**A RESOLUTION OF THE BOARD OF DIRECTORS OF VALLEY SANITARY DISTRICT
ADOPTING THE 2018 COACHELLA VALLEY INTERGRATED REGIONAL WATER
MANAGEMENT PLAN**

WHEREAS, water resources planning in the Coachella Valley is of the utmost importance to sustain the area's residents, businesses, and agriculture in a desert climate; and

WHEREAS, the State of California encourages integrated water resource planning on a regional basis through Integrated Regional Water Management (IRWM) Plans and by conditioning certain existing and possibly future grant funding programs – including Proposition 1, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Public Resources Code section 75001 et seq.) – to activities contained in the IRWM Plans; and

WHEREAS, the Coachella Valley Regional Water Management Group was formed as a collaboration of the six Coachella Valley public water and/or sewer agencies: City of Coachella/Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, City of Indio/Indio Water Authority, Mission Springs Water District, and Valley Sanitary District; and

WHEREAS, the Coachella Valley Regional Water Management Group partners have committed through a Memorandum of Understanding to developing a Coachella Valley IRWM Plan that coordinates and shares information concerning water supply planning and projects; and

WHEREAS, the Coachella Valley stakeholders have worked collaboratively to identify water related issues and needs, establish regional goals and objectives, develop a project submittal and prioritization process, and provide recommendations on the projects and programs included in the Plan.

NOW, THEREFORE BE IT RESOLVED, that the Board of Directors of Valley Sanitary District adopts the 2018 Coachella Valley Integrated Regional Water Management Plan and is committed to continued development and implementation of the Plan, to help address the critical water related needs of the Coachella Valley; and

BE IT FURTHER RESOLVED, that we pledge to continue working to develop the planning and projects that address the long- and short-term solutions to the Coachella Valley's critical water needs, address our regional goals and objectives through the regional planning group as long as is beneficial for all parties; and

BE IT FINALLY RESOLVED, that the General Manager of Valley Sanitary District is authorized to execute any further documents necessary in support of the Coachella Valley Regional Water Management Group's grant application for Proposition 1 IRWM Grant Program.

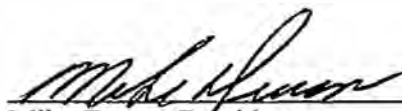
PASSED, APPROVED, and ADOPTED this 23rd day of April 2019, by the following roll call vote:

AYES: Canero, Coleman, Duran, Sear, Teague

NAYES: None

ABSENT: None

ABSTAIN: None


Mike Duran, President

ATTEST: 
Dennis Coleman, Secretary

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Attachment 1-4

Coachella Valley Integrated Regional Water Management 2019 IRWM Implementation Grant Proposal Authorization and Eligibility Requirements – Urban Water Management Compliance

Urban Water Management Compliance

There are five urban water suppliers that will receive funding from the proposed grant, including: CVWD, CWA, and MSWD, along with DWA and IWA who are participants under the CV Water Counts Regional Conservation Program. The five water supply agencies that are included within the CVRWMG (CWA, CVWD, DWA, IWA, and MSWD) were all required by the Urban Water Management Planning Act (CWC §10610 et seq.) to submit a 2015 UWMP to DWR by July 1, 2016. Senate Bill 555 required that all urban water suppliers submit a complete and validated water loss audit report. Urban water suppliers must also self-certify their compliance with the water metering requirements (CWC §525).

Table 1-2 below describes the status of the 2015 UWMPs, water loss reporting, and water metering self-certification for each project sponsor (and sub-sponsor) included within this *Coachella Valley 2019 IRWM Implementation Grant Proposal*.

Table 1-2: Water Metering Self-Certification Status

Project Sponsor/ Participant	Contact Information	Status of 2015 UWMP	Status of Water Loss Reporting	Status of Water Metering Self-Certification
CVWD ¹	Coachella Valley Water District: Mike Nusser (760) 398-2661 mnusser@cvwd.org	2015 UWMP submitted to DWR on 7/1/16 Approval received from DWR on 9/29/16 (see Appendix 1-4-1)	Water Loss Audit Report submitted to DWR on 9/27/18, 11/15/18, and 9/26/19 Approval received from DWR on 8/7/19 for 2017 (see Appendix 1-4-2)	Water Metering Self-Certification complete (see Appendix 1-4-3)
CWA ²	Coachella Water Authority: Berlinda Blackburn (760) 501-8114 bblackburn@coachella.org	2015 UWMP submitted to DWR on 8/23/16 Approval received from DWR on 3/2/17 (see Appendix 1-4-1)	Water Loss Audit Report submitted to DWR on 9/26/17, 9/5/18 and 9/5/19 Approval received from DWR on 9/5/18 for 2017 (see Appendix 1-4-2)	Water Metering Self-Certification complete (see Appendix 1-4-3)
MSWD ³	Mission Springs Water District: Victoria Llort (760) 329-5169 vllort@mswd.org	2015 UWMP submitted to DWR on 7/1/16 Approval received from DWR on 9/18/17 (see Appendix 1-4-1)	Water Loss Audit Report submitted to DWR on 9/29/17, 10/1/18, and 10/1/19 Approval received from DWR on 9/26/18 for 2017 (see Appendix 1-4-2)	Water Metering Self-Certification complete (see Appendix 1-4-3)

¹ CVWD 2015 UWMP is available online here:
https://wuedata.water.ca.gov/public/uwmp_attachments/2514981925/CVWD%202015%20UWMP%20-%20Final%20Report%20-%20Report.pdf

² CWA 2015 UWMP is available online here:
https://wuedata.water.ca.gov/public/uwmp_attachments/1693067252/Coachella_Final_2015%20UWMP.pdf

³ MSWD 2015 UWMP is available online here: https://wuedata.water.ca.gov/public/uwmp_attachments/9747556388/6-21-16%20FINAL%20MSWD%202015%20UWMP%20Report.pdf

Coachella Valley 2019 IRWM Implementation Grant Proposal
Attachment 1: Authorization and Eligibility Documentation



Project Sponsor/ Participant	Contact Information	Status of 2015 UWMP	Status of Water Loss Reporting	Status of Water Metering Self-Certification
DWA ⁴	Desert Water Agency: Ashley Metzger (760) 323-4971 ametzger@dwa.org	2015 UWMP submitted to DWR on 6/29/16 DWR sent a letter dated 8/24/18 stating that not all requirements have been addressed. DWA provided additional information in December 2018 but has not received additional feedback from DWR. (see Appendix 1-4-1)	Water Loss Audit Report submitted to DWR on 10/3/17, 10/1/18, and 10/1/19 Approval received from DWR on 9/24/18 for 2017 (see Appendix 1-4-2)	Water Metering Self-Certification complete (see Appendix 1-4-3)
IWA ⁵	Indio Water Authority: Adekunle Ojo (760) 625-1805 aojo@indio.org	2015 UWMP submitted to DWR on 11/20/16 Approval received from DWR on 11/21/16 (see Appendix 1-4-1)	Water Loss Audit Report submitted to DWR on 9/29/17, 9/25/18, and 9/29/19 Approval received from DWR on 9/26/18 and 7/23/19 for 2017 (see Appendix 1-4-2)	Water Metering Self-Certification complete (see Appendix 1-4-3)

⁴ DWA 2015 UWMP is available online here: https://wuedata.water.ca.gov/public/uwmp_attachments/9747556388/6-21-16%20FINAL%20MSWD%202015%20UWMP%20Report.pdf

⁵ IWA 2015 UWMP is available online here:
https://wuedata.water.ca.gov/public/uwmp_attachments/2731137931/IWA%202015%20UWMP%20-%20Final%20Report.pdf

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 29, 2016

Ms. Patti Reyes
Planning and Special Programs Manager
Coachella Valley Water District
PO Box 1058
Coachella, California 92236

RE: Urban Water Management Plan Requirements Addressed

Dear Ms. Reyes:

The Department of Water Resources (DWR) has reviewed the Coachella Valley Water District's (CVWD's) 2015 Urban Water Management Plan (UWMP) that was received on July 1, 2016. The California Water Code (CWC) directs DWR to report to the California State Legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the CVWD's 2015 UWMP has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections or water management strategies. This letter acknowledges that the CVWD's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read 'V. Lake'.

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc: Betsy Vail
DWR

Parag Kalaria
MWH

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



March 2, 2017

Scott Rogers
Utilities General Manager
City of Coachella
53462 Enterprise Way
City of Coachella, CA 92236

RE: Urban Water Management Plan Requirements Addressed

Dear Mr. Rogers:

The Department of Water Resources (DWR) has reviewed the City of Coachella (City) 2015 Urban Water Management Plan (UWMP) received on 8/23/2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the City's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the City's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning please call Gwen Huff at (916) 651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:

Robert Fastenau, DWR
Steve Ledbetter, TKE Engineering

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



August 24, 2018

Mark Krause
General Manager
Desert Water Agency
1200 South Gene Autry Trail
Palm Springs, CA 92264

Dear Mr./Ms.Krause:

The Department of Water Resources (DWR) has reviewed Desert Water Agency's 2015 Urban Water Management Plan (UWMP) received on June 29, 2016. The California Water Code (CWC) directs DWR to report to the Legislature once every five years on the status of submitted plans. In meeting this legislative reporting requirement, DWR reviews all submitted plans.

DWR's review of the agency's 2015 UWMP has determined the following required elements have not been addressed in accordance with the CWC:

CWC 10608.20 (f) The methodology used for estimating the seasonal population, for use in SBX7-7 calculations, was not based in US Census data, as specified in ***Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use***, DWR 2010, revised in 2016.

The following are minor errors that were noted in the review and should be addressed with the amendment to the UWMP:

- There is a discrepancy in the volume of recycled water reported in DWR Tables 6-3, 6-4, and 6-5. Please resolve this discrepancy and correct tables as needed.
- DWR Table 6-4 does not report use of supplemental water in the recycled water system, yet, the UWMP reports the use of supplemental water on pages II-13 and 14. Please resolve this discrepancy.
- DWR Table 6-4 should separate reporting of recycled water used for landscape irrigation versus recycled water used for golf course irrigation.
- DWR Table 6-4 includes use of recycled water for percolation ponds. This is not considered a use of recycled water unless this is a permitted recharge of groundwater and should be removed from this table.

This letter is to advise Desert Water Agency of these issues and to recommend that the agency amend its 2015 UWMP to address these required elements. Desert Water Agency has 120 days from the date of this letter to submit an amended UWMP before DWR registers the status of this UWMP as "Requirements Not Addressed". Desert Water Agency may request additional time to submit an amended UWMP, and if deemed reasonable by DWR, the status of the review will remain "Under Review" until the agreed upon date.

DWR encourages water suppliers to send drafts of the revised sections to DWR for review before adopting the revised plan. Please note that revised plans must be adopted by the agency's governing board following the public process specified in the UWMP Act.

Please feel free to contact Gwen Huff at (916) 651-9672 if you have any questions or would like to discuss the review of 2015 Urban Water Management Plans.

Sincerely,



Vicki Lake
Unit Chief
Urban Water Use Efficiency
Department of Water Resources
(916) 651-0740

Electronic cc:

Robert Fastenau, Department of Water Resources
Ashley Metzger, Outreach and Conservation Manager
David F. Scriven, Krieger & Stewart, Incorporated

Erica Wolski

From: Steve Johnson <SJohnson@dwa.org>
Sent: Friday, December 14, 2018 3:48 PM
To: Gwen.Huff@water.ca.gov
Cc: Ashley Metzger; Vicki.Lake@water.ca.gov
Subject: Desert Water Agency Population Calculation
Attachments: Seasonal Population Technical Memo Final.pdf

Dear Ms. Huff – My name is Steve Johnson and I am the Assistant General Manager for the Desert Water Agency. I know that you have been working with our Outreach and Conservation Manager, Ashley Metzger, on a revised seasonal population calculation for our service area. Based on the discussions Ashley and you have had, the Agency has created a new approach for calculating the seasonal population within our service area. Attached for your consideration, is a technical memo describing the process we have developed for the calculation. The procedure outlined in the memo will be our guide for modifying our 2015 UWMP document. If you have any questions, please do not hesitate to contact me, or Ashley.

Sincerely,

Steve L. Johnson
Assistant General Manager
Desert Water Agency
(760) 323-4971 ext. 140

Erica Wolski

From: Steve Johnson <SJohnson@dwa.org>
Sent: Friday, December 14, 2018 3:48 PM
To: Gwen.Huff@water.ca.gov
Cc: Ashley Metzger; Vicki.Lake@water.ca.gov
Subject: Desert Water Agency Population Calculation
Attachments: Seasonal Population Technical Memo Final.pdf

Dear Ms. Huff – My name is Steve Johnson and I am the Assistant General Manager for the Desert Water Agency. I know that you have been working with our Outreach and Conservation Manager, Ashley Metzger, on a revised seasonal population calculation for our service area. Based on the discussions Ashley and you have had, the Agency has created a new approach for calculating the seasonal population within our service area. Attached for your consideration, is a technical memo describing the process we have developed for the calculation. The procedure outlined in the memo will be our guide for modifying our 2015 UWMP document. If you have any questions, please do not hesitate to contact me, or Ashley.

Sincerely,

Steve L. Johnson
Assistant General Manager
Desert Water Agency
(760) 323-4971 ext. 140

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 18, 2017

John Soulliere
Conservation and Public Affairs Officer
Mission Springs Water District
66575 Second Street
Desert Hot Springs, California 92240

RE: Urban Water Management Plan Requirements Addressed

Dear Mr. Soulliere:

The Department of Water Resources (DWR) has reviewed the Mission Springs Water District's 2015 Urban Water Management Plan (UWMP) received on July 1, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the Mission Springs Water District's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the Mission Springs Water District's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning, please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:
Michael D. Swan, P.E.

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



November 21, 2016

Erick Del Bosque
Manager of Engineering and Water Quality
City of Indio
83-101 Avenue 45
Indio, California 92201

RE: Urban Water Management Plan Requirements Addressed

Dear Ms. Beltran:

The Department of Water Resources (DWR) has reviewed the City of Indio's 2015 Urban Water Management Plan (UWMP) received on November 20, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the City of Indio's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the City of Indio's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:
Parag Kalaria

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



August 7, 2019

Katie Evans
Director of Communications
Coachella Valley Water District
PO Box 1058
Coachella, CA 92236

Subject: Validated Water Loss Audit Report for Data Year 2017

Dear Katie Evans,

Thank you for submitting the Coachella Valley Water District's 2017 Validated Water Loss Audit Report. The Department of Water Resources has reviewed your report and found it addresses the requirements of Chapter 7, Division 2, of Title 23 on Water Loss Audits and Water Loss Control Reporting. The validated water loss audit reports are posted at our website: <https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact me at Todd.Thompson@water.ca.gov or at (916) 651-9255.

Sincerely,

A handwritten signature in blue ink that reads 'Todd Thompson'.

Todd Thompson
Senior Engineer
Urban Water Use Efficiency
(916) 651-9255

Electronic cc:

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 21, 2018

Scott Rogers
Utilities General Manager
City of Coachella
53462 Enterprise Way
Coachella, CA 92236

Subject: The 2017 Validated Water Loss Audit Report

Dear Mr./Ms. Rogers:

The Department of Water Resources (DWR) has reviewed the City of Coachella's 2017 Validated Water Loss Audit Report. California Water Code (CWC) Section 10608.34 directs DWR to review all submitted validated water loss audit reports. Our review finds that the report addresses the code requirements. The validated water loss audit reports are posted at our website: <https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact Todd Thompson at todd.thompson@water.ca.gov or 916-651-9255

Sincerely

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:
Steve Ledbetter, TKE Engineering

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Appendix 1-4-2 MSWD Water Loss Audit Report Acceptance

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 26, 2018

John Soulliere
Conservation and Public Affairs Officer
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240

Subject: The 2017 Validated Water Loss Audit Report

Dear Mr./Ms. Soulliere:

The Department of Water Resources (DWR) has reviewed the Mission Springs Water District's 2017 Validated Water Loss Audit Report. California Water Code (CWC) Section 10608.34 directs DWR to review all submitted validated water loss audit reports. Our review finds that the report addresses the code requirements. The validated water loss audit reports are posted at our website:
<https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact Todd Thompson at todd.thompson@water.ca.gov or 916-651-9255

Sincerely

A handwritten signature in blue ink, appearing to read 'V. Lake'.

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:
Michael D. Swan, P.E., Psomas

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Appendix 1-4-2 DWA Water Loss Audit Report Acceptance

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 24, 2018

Mark Krause
General Manager
Desert Water Agency
1200 South Gene Autry Trail
Palm Springs, CA 92264

Subject: The 2017 Validated Water Loss Audit Report

Dear Mr./Ms. Krause:

The Department of Water Resources (DWR) has reviewed the Desert Water Agency's 2017 Validated Water Loss Audit Report. California Water Code (CWC) Section 10608.34 directs DWR to review all submitted validated water loss audit reports. Our review finds that the report addresses the code requirements. The validated water loss audit reports are posted at our website: <https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact Todd Thompson at todd.thompson@water.ca.gov or 916-651-9255

Sincerely

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:

Ashley Metzger, Outreach and Conservation Manager
David F. Scriven, Krieger & Stewart, Incorporated

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



July 23, 2019

Erick Del Bosque
Manager of Engineering and Water Quality
City of Indio
83-101 Avenue 45
Indio, CA 92201

Subject: Validated Water Loss Audit Report for Data Year 2017

Dear Erick Del Bosque

Thank you for submitting the City of Indio's 2017 Validated Water Loss Audit Report. The Department of Water Resources has reviewed your report and found it addresses the requirements of Chapter 7, Division 2, of Title 23 on Water Loss Audits and Water Loss Control Reporting. The validated water loss audit reports are posted at our website: <https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact me at Todd.Thompson@water.ca.gov or at (916) 651-9255.

Sincerely,

A handwritten signature in blue ink that reads 'Todd Thompson'.

Todd Thompson
Senior Engineer
Urban Water Use Efficiency
(916) 651-9255

Electronic cc:
Parag Kalaria, MWH

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DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 26, 2018

Erick Del Bosque
Manager of Engineering and Water Quality
City of Indio
83-101 Avenue 45
Indio, CA 92201

Subject: The 2017 Validated Water Loss Audit Report

Dear Mr./Ms. Del Bosque:

The Department of Water Resources (DWR) has reviewed the City of Indio's 2017 Validated Water Loss Audit Report. California Water Code (CWC) Section 10608.34 directs DWR to review all submitted validated water loss audit reports. Our review finds that the report addresses the code requirements. The validated water loss audit reports are posted at our website: <https://wuedata.water.ca.gov>.

If you have any questions regarding water loss audits and reports, please contact Todd Thompson at todd.thompson@water.ca.gov or 916-651-9255

Sincerely

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:
Parag Kalaria, MWH

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California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources
Funding Program name: Proposition 1, Round 1 IRWM Implementation
Applicant (Agency name): Coachella Valley Water District
Project Title (as shown on application form): Coachella Valley 2019 IRWM Implementation
Grant Proposal


Please check one of the boxes below and sign and date this form.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Steve Bigley
Name of Authorized Representative
(Please print)
Director of Environmental Services
Title


Signature
October 21, 2019
Date

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: Department of Water Resources

Funding Program name: Proposition 1 Round 1 Implementation Grant

Applicant (Agency name): Coachella Water Authority

Project Title (as shown on application form): Coachella Valley IRWM 2019 IRWM Implementation
Grant Proposal

Please check one of the boxes below and sign and date this form.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

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Castulo Estrada
Name of Authorized Representative
(Please print)

Utilities Manager
Title

Castulo R. Estrada
Signature

October 24, 2019
Date

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: Department of Water Resources
Funding Program name: Proposition 1 Round 1 Implementation Grant
Applicant (Agency name): Desert Water Agency
Project Title (as shown on application form): Coachella Valley IRWM 2019 IRWM Implementation Grant

Please check one of the boxes below and sign and date this form.

As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

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Ashley Metzger

Name of Authorized Representative
(Please print)

Outreach & Conservation Manager

Title

Signature

10/18/19

Date

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources
Funding Program name: Proposition 1, Round 1 Implementation Grant
Applicant (Agency name): Indio Water Authority
Project Title (as shown on application form): CV Water Counts Regional Conservation
Program

Please check one of the boxes below and sign and date this form.

☐ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

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Trish Rhay

Name of Authorized Representative
(Please print)

General Manager

Title

Signature

10/18/19

Date

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: Department of Water Resources

Funding Program name: Proposition 1 Round 1 Implementation Grant

Applicant (Agency name): Mission Springs Water District

Project Title (as shown on application form): Groundwater Quality Protection Program -
Sub Area M2-1

Please check one of the boxes below and sign and date this form.

☐ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

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Arden Wallum

Name of Authorized Representative
(Please print)

General Manager/Chief Engineer

Title

Signature

Date

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Attachment
1-5

Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Agricultural Water Management and Measurement Compliance

Agricultural Water Management and Measurement Compliance

CWA, DWA, IWA, and MSWD are not agricultural water suppliers and are therefore not required to complete Agricultural Water Management Plans.

CVWD is an agricultural water supplier; however, because CVWD receives agricultural water supplies from the Colorado River, CVWD is exempt from the State of California's requirement to have an Agricultural Water Management Plan. However, CVWD is required to have a Colorado River Water Agricultural Water Conservation Plan and submit it to the United States Bureau of Reclamation. The plan was last updated in 2016 and can be found in **Appendix 1-5**.

Contact information for the one agricultural water supplier that would receive funding from the proposed grant is provided below:

- Coachella Valley Water District:
Mike Nusser
(760) 398-2661
mnusser@cvwd.org

DWR verification documentation: not applicable for reasons mentioned above



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Coachella Valley Water District



Colorado River Water Agricultural Water Conservation Plan

**United States Bureau of Reclamation
Lower Colorado Region
2016**

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District Description

Physical Setting

The Coachella Valley lies in the northwestern portion of a great valley, the Salton Trough that extends from the Gulf of California in Mexico northwesterly to the Cabazon Pass area. The main features of the Salton Trough are the Mexicali Valley in the South, Imperial Valley directly north, followed by the Salton Sea in the Middle, and lastly the Coachella Valley in the northern portion. The Coachella Valley is ringed with mountains on three sides. The Santa Rosa, San Jacinto and San Bernardino Mountains lie on the west and northwestern sides of the valley. These mountain ranges rise more than 10,000 feet above mean sea level (ft MSL). To the northeast and east are the Little San Bernardino Mountains which attain elevations of 5,500 ft MSL. Attachment A is a map of the Coachella Valley Water District (CVWD) service area.

History

Early in the twentieth century, the Imperial Valley agricultural industry was growing and needed additional water. Imperial Valley farmers conceived a plan to tap the Groundwater Basin and export water from the Coachella Valley. Although the project did not materialize, the possibility of losing a valuable resource prompted the organization of CVWD to conserve and protect the waters of the Coachella Valley and to develop a supplemental water source for irrigation. This supplemental water source became Colorado River water delivered to the valley via the Coachella Branch of the All American Canal. Improvement District No. 1 (ID-1) was established to include the irrigable land provided with Colorado River water. CVWD's contract with Reclamation restricts Colorado River water use to beneficial uses for the groundwater basin underlying ID-1. CVWD has also established groundwater replenishment programs to prevent groundwater overdraft, and recharges the groundwater basin with Colorado River water. CVWD's East Whitewater River Replenishment and Assessment Program was created in 2004. The East Whitewater Subbasin Area of Benefit generally follows the ID-1 Boundary.

CVWD was formed in January 1918 under the County Water District Act provisions of the California Water Code. The Coachella Valley Stormwater District was formed in 1915. The two districts merged in 1937. CVWD now encompasses approximately 639,857 acres in Riverside County and parts of Imperial and San Diego Counties and provides six services: domestic water, canal water, recycled water, sanitation, stormwater, and groundwater replenishment.

Cultural Resources

The Coachella Valley has a rich history and hundreds of Tribal cultural sites related to the Cahuilla and Luiseno people, the native people of the Coachella Valley. Most of the cultural sites are located along the ancient Lake Cahuilla shoreline which is around the 40' elevation mark.

Several historical structures (buildings) built by Coachella Valley pioneers are found in the cities of Indio, Coachella, and Palm Desert.

Climate

General description: The climate of the Coachella Valley is characterized by long, extremely hot summers with mild winters and relatively low humidity. With the exception of occasional thunderstorms, it has cloudless skies and almost negligible rainfall. Rainfall measurements indicate an annual average of 3.53 inches since 1877. The average mean temperature is 73 degrees Fahrenheit. Temperatures of more than 125 degrees Fahrenheit and lows of 16 degrees Fahrenheit have been recorded. Seasonal strong winds are prevalent during March, April, and May, with gusting blowing sand. The monthly climate summary is presented in Table 1.

Table 1
Monthly Climate Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	71	76	81	88	95	104	108	106	101	90	78	71	89
Average Min. Temperature (F)	39	43	48	55	62	69	75	75	68	57	44	37	56
Average Total Precipitation (in.)	0.72	0.63	0.43	0.06	0.06	0.02	0.19	0.37	0.41	0.14	0.21	0.29	3.53

Data source: Weather.com for Coachella, California

Location

CVWD is located in the low desert of Southern California. It borders the northern edge of the Salton Sea and runs to the northwest to the Palm Springs- Desert Hot Springs area. See District Map, Attachment A, Location Map, Attachment B, and Improvement District No. 1, Attachment C.

Natural Environment

Streams identified in the area are dry desert washes, tributary to the agricultural area, which flow infrequently. When water does flow, it commonly occurs as a flash flood causing disruption to the people and wildlife. Groundwater has been observed below the surface of these washes, the principal contribution of these streams is the replenishment of the local groundwater basin. The surface of these washes is typically covered with desert scrub, cacti and bare ground.

Even before the valley began to urbanize, valley residents recognized the value of the natural flow below these washes, particularly the Whitewater River. Detention basins and recharge works were constructed to capture storm runoff in order to increase the recharge of valley aquifers.

In all but the most severe storms, rain water entering these storm channels infiltrates into the ground before it flows to the Salton Sea.

Size

CVWD's service area encompasses over 639,800 acres. The irrigable acreage, located in ID1, is 78,530. As of 2015 there were over 1,200 active accounts in ID1 Service Area. Average irrigated area within the Coachella Valley Water District was 65,000 acres (includes double cropping) exclusive of acreage supplied by private

groundwater systems. Groundwater acreages (17% of the Colorado supply figure) were obtained by field inspection of the irrigated acreage, and aerial photos. The percentage share of the irrigated agriculture supplied by the Coachella Valley Water District is approximately 83%.

Approximately 55% of the agricultural acreage in the Coachella Valley is under drip or microspray irrigation. The use of drip irrigation for vegetable, melon and nursery crops is expanding. Approximately 65% of the agricultural area is in trees and vines.

Topography

The Coachella Valley is some 50 miles long and varies from 5 to 10 miles wide. The valley is formed by the San Bernardino, San Jacinto, and Santa Rosa Mountain Ranges on the west and the little San Bernardino Mountains on the east. The Valley's terrain consists of relatively flat land sloping toward its center, extending from the Whitewater River to the Salton Sea.

Lands and Crops

Soils

There are two Main Soil Associations found in the Coachella Valley. The first association is excessively drained to somewhat poorly drained, nearly level to moderately steep soils in alluvial fans and valley fill. The other soil association is excessively drained to well drained, nearly level to very steep soils found in alluvial fans, terraces, and the mountains rimming the valley. (See United States Department of Agriculture Soil Conservation Service Soil Survey of Riverside County, California, Coachella Valley Area on file.)

The four main soil types found in the Agricultural Areas or ID1 of the Coachella Valley are Carsitas-Myoma-Carrizso association, the Myoma-Indio-Gilman association, the Gilman-Coachella-Indio association, and the Salton-Indio-Gilman association.

The Carsitas-Myoma-Carrizso association consists of nearly level to moderately steep, somewhat excessively drained or excessively drained sands, fine sands, gravelly sands, cobbly sands, and stony sands on alluvial fans and valley fill. This soils type makes up approximately 20% of the irrigated soils in the Coachella Valley

The Myoma-Indio-Gilman association consists of soils that are nearly level to rolling, somewhat excessively drained to moderately well drained fine sands in dune areas and loamy fine sands, very fine sandy loams, fine sandy loams, and silt loams on alluvial fans. This soils type makes up approximately 10% of the irrigated soils in the Coachella Valley

The Gilman-Coachella-Indio association soils consist of nearly level to rolling, somewhat excessively drained or excessively drained to moderately drained fine sands, fine sandy loams, loamy fine sands, and very fine sandy loams on alluvial fans. This

soils type makes up approximately 45% of the irrigated soils in the Coachella Valley

The Salton-Indio-Gilman association consists of nearly level, somewhat poorly drained to well drained, silty clay loams, very fine sandy loams, fine sandy loams, and silt loams in lacustrine basins. This soils type makes up approximately 25% of the irrigated soils in the Coachella Valley

Crop Census Data

See 2015 Crop Report Attachment D.

District Operations and Operating Policies

Operation of the delivery system

Since average rainfall is so light, the source of irrigation water lies principally in water diverted from the Colorado River at Imperial Dam above Yuma, Arizona. The water is transported through the All-American and Coachella Canals, a distance of 160 miles. The Colorado River water primarily is delivered to farms, but an increasing percentage is now being delivered to Golf Courses within ID1. The groundwater in the Coachella Valley is managed by CVWD through its replenishment program that includes a fee on groundwater pumpers' private wells. The total amount of Colorado River water delivered to farms in 2015 was 275,297 acre feet. CVWD measures groundwater pumping and reports it annually for the East Valley Area of Benefit (East AOB) in the CVWD Engineer's Report on Water Supply and Replenishment Assessment. Total East AOB Pumping in 2015 was 113,706 acre feet.

Desert conditions allow diverse crops to be grown year-round with double and triple cropping. The warm winters result in crops being available for winter market when most agricultural production throughout the United States has shut down for the winter. Crops include vegetables, carrots, lettuce, dates, and grapes. Approximately 76,456 acres (includes double cropping) are irrigated with an estimated crop value of \$741 million.

The distribution system which delivers water from the Coachella Canal consists of 485 miles of concrete pipelines which varies in diameter from 12 to 96 inches. The 80 or more distribution laterals connecting to the canal and carrying water to the farmlands, have flows that vary from 3 cubic feet per second (cfs) to 230 cfs. Flows into the lateral distribution system come from the Coachella Canal and are controlled by computer through remote control valves installed at each canal turnout. The distribution system is entirely underground pipeline to prevent evaporation and phreatophyte losses. To raise the level of water to make farm deliveries, baffle stands are installed every 1/4 mile along laterals.

All farm turnouts have totalizing water meters to measure the cumulative quantity of water delivered. This method of direct metering of delivered irrigation water has proven

beneficial to both the farmers and the district. The farmer benefits by knowing the precise amount of water which was delivered to the field. A history of precise water deliveries allows for the farmer to make more accurate estimates when ordering water. Metered water deliveries allow CVWD to account for the water being used. Blocked or leaking main lines can be traced back to the location of the problem by cross checking all irrigation deliveries. This is done daily for the entire system by computer.

In a typical day, district water clerks continuously receive, and enter, incoming water orders into the main computer. A telemetry system is also linked to the main computer system. The computer verifies that delivery capacity is available for each order received and updates the master irrigation schedule. Each day the computer generates the delivery gate settings and downloads the information into a lap-top computer for the zanjero (water delivery person) to make their rounds the next day. The zanjero reads and follows the lap-top instructions on the route. Water delivery numbers are uploaded from the lap-top to the main supervisory control and data acquisition (SCADA) computer at CVWD headquarters in real-time. This paperless approach allows the computer to instantly cross-check the distribution system for leaks, clogged meters, maintenance problems, etc.

In addition, the physical structure of the district's water management system precludes a common water losing practice called "tailwater." Tailwater is the practice of allowing excess water to run off the bottom end of a field when too much water was applied during irrigation. Many irrigation systems in California contain a system of water disposal ditches to move tailwater to a disposal area. The Coachella Valley Water District drainage system was deliberately designed to eliminate tailwater receiving facilities. The main collection system is entirely constructed of underground pipes sized only to accommodate soil drainage. There is no "room" to accommodate tailwater flows either directly through inlet structures, or, indirectly through excessive percolation. District regulations expressly declare tailwater disposal as an illegal and prohibited activity. In addition, with no place for tailwater to be collected, farmers cannot arbitrarily order excess water without the attendant litigation imposed by neighbors who would be flooded out.

Approximately 55 to 60 percent of the agricultural acreage in the Coachella Valley is under drip or microspray irrigation. Of considerable interest is the increasing amount of vegetable, melon and nursery crops adopting drip as the preferred irrigation method.

The term "drip" irrigation is somewhat misleading. Drip irrigation typically refers to an irrigation system in which water is delivered through a plastic pipe or an emitter near the base of a tree, vine, or plant. Rather than "drip", the emitter may discharge water in streams, sprays, or drops. The common feature in all of these systems is the direct application of water to the crop without allowing additional water to flow to adjacent weed vegetation. The net effect is a reduction of the overall irrigated acreage for a particular field i.e. that portion of the field which would otherwise receive water and grow weeds under conventional irrigation methods. Typical reductions in vegetative surface area are on the order of 15 percent.

Operations and Maintenance of the system

See Bureau of Reclamation Review of Operations and Maintenance Examination Reports on file.

Water Pricing and Billing Practices

Water Rates are published in Attachment E “Coachella Valley Water District Irrigation Water Rates (Canal Water).” Rates are based on volume and every account is metered. See attachment for consumptive and miscellaneous charges.

Inventory of Water Resources

Water Supplies and Contracts

The principal water supplies of the Coachella Valley are local groundwater, imported Colorado River water (Table 2), imported State Water Project (SWP) water (Table 3), local surface runoff, and recycled water. The Coachella Canal, which brings Colorado River water from the All-American Canal near the Mexico-U.S. border, traverses the southeast margin of the valley. The canal turns southwest around the northern end of Indio and terminates at Lake Cahuilla, south of La Quinta.

Imported water is also obtained from the SWP. There are no physical facilities to deliver SWP water to the Valley. CVWD’s and Desert Water Agency(DWA’s) water is exchanged with Metropolitan Water District of Southern California for a like amount of Colorado River water from Metropolitan’s Colorado River Aqueduct (CRA), that extends from Lake Havasu, through the Coachella Valley to Metropolitan’s Lake Mathews. SWP Exchange water has been used to recharge the Whitewater River Subbasin at the Whitewater River Recharge Facility since 1973. SWP exchange water from the Colorado River Aqueduct is used for groundwater recharge in the western end of the Coachella Valley (Table 3).

Other water sources include local mountain front runoff. Surface water supplies come from several local rivers and streams including the Whitewater River, Snow Creek, Falls Creek and Chino Creek, as well as a number of smaller creeks and washes. Some of this water is diverted for direct delivery to customers by DWA while the remainder becomes part of the groundwater supply through percolation of runoff. In 2009, surface water supplied less than one percent of the total water supply to the West Valley to meet urban and golf course demands and none to the East Valley. Because surface water supplies are affected by variations in annual precipitation, the annual supply is highly variable. Runoff varies from about 8,000 AFY in very dry years to over 200,000 AFY in extremely wet years. For the ten year period between 2000 and 2009, natural inflow from mountain front runoff was below normal averaging about 29,000 AFY.

Recycled water is a significant potential local resource that can be used to help reduce overdraft. Wastewater that has been highly treated and disinfected can be reused for landscape irrigation and other nonpotable purposes. Recycled wastewater has

historically been used for irrigation of golf courses and landscaping (Homeowners associations, athletic fields, facility landscapes) in the Coachella Valley. Based on data from CVWD and DWA, recycled water usage in the West Valley is approximately 12,400 AFY (7,503 AF in 2015 CVWD usage, 4,200 AFY DWA usage). Recycled water usage in 2015 in the East Valley was 1,773 AFY and was for golf course irrigation.

Table 2
CVWD Deliveries Under the Quantification Settlement Agreement

Component	Amount (acre-ft/yr)
Base Allotment	330,000
Coachella Canal Lining (to SDCWA)	-26,000
To Miscellaneous/Indian PPRs	-3,000
1988 MWD/IID Approval Agreement	20,000
IID/CVWD First Transfer	50,000
IID/CVWD Second Transfer	53,000
MWD/SWP Transfer	35,000
Total Diversion at Imperial Dam	459,000
Less Conveyance Losses ¹	14,000
Total Deliveries to CVWD	442,000

¹ Losses after completion of canal lining projects reported in CVWD Imported Water Use Strategy Report, March 2016.

Table 3
State Water Project Sources (acre-ft/yr)

	Original SWP Table A	Tulare Lake Basin Transfer #1	Tulare Lake Basin Transfer #2	Metropolitan Transfer	Berrenda Mesa Transfer	Total
CVWD	23,100	9,900	5,250	88,100	12,000	138,350
DWA	38,100	--	1,750	11,900	4,000	55,750
Total	61,200	9,900	7,000	100,000	16,000	194,100

Storage Facilities

- Approximately 3,000 acre feet of storage divided between the Coachella Branch of the All American Canal (1,500 acre feet) and Lake Cahuilla (1,500 acre feet).
- Approximately 30 million acre feet in groundwater basin.

Distribution Facilities

Table 4
Conveyance system:

Unlined Canal - miles	Lined Canal -miles	Pipeline -miles	Other -miles
0.0	123.0	488.0	0.0

Drainage Facilities

Table 5
Drainage Facilities

Total On Farm Drains - miles	Acreage with Farm Drains	District Open Drains -miles	District Pipe Drains -miles
2,298	37,425	21.0	166.0

Water Measurement and Accounting Procedures

Total # of customers: 1,219

Total # of measured customers:1,219

Total # of customer turnouts: 1,219

Total # of measured turnouts: 1,219

Table 6
CVWD Ag Water Meter Inventory

Type	Number	Reading	Calibration	Maintenance
Propeller Meter	1100	Monthly	At factory	Scheduled and as needed

Table 7
2015 Canal Water Use (AF)

Month	Agriculture	Construction	East Valley Golf	Mid Valley Pipeline	Other Recreation	Recharge	Regulatory	Total
Jan.	12,125	9	765	143	48	3,207	360	16,657
Feb.	15,121	21	1,120	229	59	2,941	451	19,943
Mar.	19,468	72	1,728	277	91	3,110	545	25,292
April	25,087	113	2,320	446	111	2,980	530	31,586
May	24,440	49	2,673	480	141	3,102	511	31,396
June	24,844	52	2,721	791	143	2,872	544	31,966
July	24,318	112	2,484	722	140	3,204	504	31,485
Aug.	28,550	116	2,531	802	141	3,219	510	35,870
Sept.	24,620	94	1,719	546	123	3,144	430	30,675
Oct.	19,946	101	1,758	613	135	3,194	428	26,175
Nov	20,621	46	1,454	424	111	3,136	341	26,132
Dec	17,325	29	1,082	223	66	3,214	432	22,372
Total	256,465	815	22,355	5,696	1,309	37,322	5,586	329,547

Quality of Water Sources

Colorado River water is imported through the Coachella Branch of the All American Canal for direct use in the lower valley. Colorado River water is also brought in through the Colorado River Aqueduct (via the SWP exchange) and released into the Whitewater River to be percolated into the aquifer via the Whitewater Groundwater Replenishment Facility. This water is used only for groundwater recharge in the upper valley and does not connect to the agricultural areas of the lower valley. Historically, total dissolved solids (TDS) concentrations of the SWP Exchange water have ranged from approximately 530 mg/L to 750 mg/L with an average of approximately 660 mg/L based upon the quality of Metropolitan's Colorado River Aqueduct since 1973.

For a detailed description of Coachella Canal water, historical data, and a summary table on water quality, see Section 5.1 of the 2010 Coachella Valley Water Management Plan Update Draft Report on file at CVWD or at www.cvwd.org. For a detailed description of domestic water quality refer to the District's Annual Water Quality Report at http://www.cvwd.org/news/publicinfo/2011_water_quality_report.pdf.

Salinity levels of Colorado River water through the Coachella Canal conform to the Colorado River Basin Salinity Control Act (P.L. 93-320).

Water Conservation Measures and Results

Existing Water Conservation Measures

- **Lake Cahuilla – Storage Reservoir**

In the mid-1960s, the district built what was then the world's largest soil cement-lined reservoir to add terminal storage capacity to the Coachella Canal. This provided storage space when demand fluctuated below supply. Because water travels more than 160 miles by gravity, the water master must estimate demand several days in advance based on projected weather conditions, crop patterns, historic usage and other factors. If evapotranspiration (ET) conditions change, more (or less) water may be needed. The district terminal reservoir offers the flexibility to meet these changing needs.

- **Canal Telemetry Control**

In the 1960s, the district became one of the first agricultural water suppliers to place a major canal system under telemetry control. This allowed an operator to monitor and adjust water control structures around the clock. The telemetry system has been improved and upgraded many times since then. One upgrade included the complete replacement of all control systems, and electronics. The current system uses two minicomputers operating in parallel with "smart" remote microprocessor at each field location. The two minicomputers continually update each other so that the system will continue to function should one computer malfunction. Field data and control signals are transmitted long distances over microwave. The "smart" remotes at the check gate

structures monitor the upstream and downstream water levels and the gate positions. These units allow the operator to control gate position or flow rate and include provision for independent operation if by chance the telemetry link with headquarters is lost or the water level in the canal approach the limit of safe operation.

All the check gates on the upper and middle canal can be operated by the telemetry control system as separate reservoirs. If additional water is needed, the operator can obtain it from storage in the pond behind one check gate and automatically adjust the other check gates to continue the required flow rate. During the summer thunderstorm season, the water level in the canal is lowered by opening the check gates. In the event of a thunderstorm and if farmers cancel their irrigation water orders, the check gates are closed, creating additional storage in the canal, preventing the loss of water to the Salton Sea.

- **Canal Lining Projects**

In the 1980s, the district reduced its Colorado River Diversion over 25% by concrete lining 49 miles of the Coachella Canal. The resulting change from an 80 foot wide earth lined canal to a 43 foot wide canal prevented seepage losses estimated at 132,000 acre-feet per year.

The new channel also increased velocity in the canal which reduced the water travel time from the Colorado River from seven days to five days. Changes in water depth in response to gate adjustment became much more responsive. The additional Colorado water supply as a result of these water conservation programs was passed down to lower priority users.

In the 1990s a process to line part of the canal without removing all its water was performed on a trial basis in 1.5 miles of the canal. It was later determined that the experimental construction method was too expensive and impractical for use.

The District embarked in 2005 on a program to line the remaining unlined 35 miles of the canal. The purpose of the project was to eliminate seepage of Colorado River water. After a few thousand acre feet of conserved water are set aside for environmental and other purposes, a net of about 26,000 acre feet of water is now available to meet the growing urban needs of Southern California. Construction was completed in 2006. The entire length of the Coachella Canal, 123 miles, is now lined.

- **Direct Metering of Agricultural Delivery**

The meter displays rate of delivery as well as total water delivered. Growers can track water deliveries instantly.

- **Support of California Irrigation Management Information System (CIMIS) Network**

Four CIMIS stations operate within the Coachella Valley and are accessed daily by water users to provide timely evapotranspiration information. Timely information is essential for farmers in ordering the correct amounts of water for irrigation. ETo from

the #200 station in Indio is available daily on the CVWD website, as well as a direct link to CIMIS for the remaining sites. In cooperation with the California Department of Water Resources the District monitors and maintains four CIMIS stations within the Coachella Valley. These are # 136 in Oasis, #218 in Thermal South, #208 in La Quinta II, and #200 in Indio.

- **Irrigation Rebate/Flood to Drip Rebate:**

Flood to Drip rebate program: through a grant from the United States Bureau of Reclamation, CVWD offers a Flood-To-Drip rebate program. The goal of the program is to leave a portion of saved water in Lakes Mead and Powell. CVWD will pay customers \$1,500 per acre, up to 160 acres to convert flood irrigated crops to turf. Customers must demonstrate a minimum savings of three acre feet per year.

- **Public Education Program**

Coachella Valley Water District provides a series of training sessions focusing on irrigation and water management for canal water users. The purpose of these meetings is to promote water conservation in the Coachella Valley and to encourage input from the farming community regarding water-related issues.

In order to educate the youth to be conscientious about water conservation, the district has employed two teachers. They reach thousands of children annually with the district's wise water use message including canal safety.

- **Agricultural Water Advisory Group**

Coachella Valley Water District created an Agricultural Water Advisory Group in 2015 to work together with farmers and other agencies on conservation related efforts. The mission of the group is "To ensure a sustainable water supply for future generations, to meet the goals of the Coachella Valley Water Management Plan, to pursue all feasible water conservation measures, to collaborate with other organizations and to educate Valley residents about the agricultural industry's good stewardship of the water in the Coachella Valley." The group meets quarterly.

Fundamental Water Conservation Measures

- Water metering
- Charging based on volume used
- Uniform per unit pricing

Water Management Challenges, Opportunities, and Goals

Challenges:

- Evapotranspiration and Salinity

Salt is a topic of special concern in using Colorado River water for irrigation. The salt content of most irrigation waters ranges from 0.1 to 2 tons of salt per acre-foot of water (approximately 70 to 1,400 parts per million). The Sacramento River, for comparison, contains approximately 0.1 ton per acre-foot. The Colorado contains about 1 ton of soluble salt per acre-foot.

Consequently, the use of saline irrigation water results in the accumulation of soluble salts in the soil. Saline irrigation water can only be used if enough is applied so that some of the water leaches through the soil profile and carries the salt away. The relationship between the quantity of dissolved salts delivered to an area via the irrigation water, and the quantity removed from the area by the drainage system is defined as the salt balance of the area. If a favorable salt balance is to be attained, the output of salts must exceed input.

The Coachella Valley is on the marginal edge of the salt balance equation. Additional steps taken to reduce the overall amount of irrigation water applied without addressing the need for adequate salt balance will have far reaching impacts on soil salinization.

Analysis indicates a limited opportunity to make additional reductions in seepage or evapotranspiration for agriculture in the Coachella Valley. The opportunities to reduce seepage, evapotranspiration, percolation to saline groundwater and outflow to saline surface water are limited because cumulative water conservation activities, i.e. direct metering, concrete lining, and drip irrigation, etc. have markedly reduced the number of potential water conservation projects.

Opportunities:

- Additional Groundwater Basin Recharging to Address Overdraft Issues

The 2010 Coachella Valley Water Management Plan (on file at the District or at www.cvwd.org) specifies groundwater recharge as one of its water management strategies to reduce overdraft. The District recharges Colorado River Water from the Coachella Canal at the Thomas E. Levy recharge facilities. CVWD recharged 37,332 acre feet at this facility in 2015.

Goals:

- Safe Yield of the Groundwater Basin

The 2010 Coachella Valley Water Management Plan Update identifies several actions necessary to achieve a sustainable level of safe yield in the groundwater basin underlying Improvement District No. 1. The main components of the plan are conservation, source substitution, recharge, and additional water supplies.

Selected Measures - Projected Results and Benefits

The 2010 Coachella Valley Water Management Plan Update sets forth the following water conservation goals compared to 2010 usage: municipal, 20 percent by the year 2020; golf courses, 10 percent by the year 2020; and agriculture, 14 percent by the year 2020.

For agricultural conservation, it has been demonstrated that CVWD-provided programs with voluntary grower participation are effective in increasing water use efficiency through both the US Bureau of Reclamation Water 2025 and the Extraordinary Conservation Measures programs. The Extraordinary Conservation Measures programs

were a series of voluntary agricultural conservation measures, which pay back Reclamation for past excess Colorado River diversions under the Inadvertent and Overrun and Payback Policy. The following programs are currently being developed for agricultural conservation by CVWD.

Grower Education and Training: This would consist of grower meetings and grower training programs funded by CVWD. In order to encourage grower participation, CVWD would implement confidential grower audits.

CVWD-Provided Services: This would include CVWD-funded conservation programs provided as a service to growers within ID 1, as recommended by the Agricultural Water Advisory Group. Programs could include scientific irrigation scheduling, scientific salinity management, soil moisture monitoring, and farm distribution uniformity evaluations. From 2004 through 2009, 73,400 acre-ft of documented extraordinary conservation occurred using these types of programs for a total program cost of \$2,954,000 (about \$40/acre-ft). Additional expenditures of \$200,000 in 2009-10 resulted in savings of 3,400 acre-ft/yr (\$59/acre-ft).

Irrigation Upgrade/Retrofit: This would add full funding, partial funding or financial support to growers that wish to convert from flood and sprinkler to micro-sprinkler and drip systems. In a fully funded program, CVWD would provide reasonable reimbursement to a grower who upgrades his irrigation system or retrofits an aging drip system. A partially funded program would share the expenses and a program that offers financial support would provide low or no-interest loans for the upgrades or retrofits.

Economic Incentives: This would involve adoption of one or more pricing approaches to encourage conservation, if needed. This might be accomplished by establishing an irrigation water allocation based on evapotranspiration and a crop-specific coefficient. Water use in excess of the base allocation would be charged at a higher rate.

Regulatory Programs: These types of programs would be considered as a last resort, and would include regulations that support and provide for agricultural conservation. Programs could include the following:

- Grower-prepared on-farm water management plans defining the methods of applying water and the water conservation measures utilized, and
- All new permanent crops would use drip and/or micro-spray irrigation systems. All current crops must be converted within a 5 year period.

Desalinated Drain Water: The 2002 Water Management Plan (WMP) recommended that a drain water desalination facility commence operation between 2010 and 2015 with a 4,000 AFY facility to treat agricultural drainage water for irrigation purposes. The facility would be expanded to 11,000 AFY capacity by 2025. Product water would be delivered to the Coachella Canal distribution system for non-potable use.

A brackish groundwater treatment pilot study and feasibility study was completed in 2008. Reverse osmosis (RO) was recommended to meet water quality goals and provide additional flexibility in the level of water quality produced should the facility's objectives change in the future. The recommended approach to brine management was to convey the RO concentrate via pipeline to constructed wetlands located at the north shore of the Salton Sea. This study concluded that agricultural drainage water can effectively be treated for reuse as non-potable water.

Recycling of Municipal Effluent: Recycled water usage in the West Valley by CVWD and DWA is approximately 12,400 AFY. Recycled water usage in the East Valley is approximately 700 AFY, mainly for golf.

Source Substitution: Source substitution involves the delivery of alternative water supplies, such as Coachella Canal water or recycled water, to replace of groundwater pumping. Significant efforts have been made to implement source substitution projects in the Valley, including the Mid-Valley Pipeline which transports nonpotable water across the Coachella Valley.

Improved Lower Valley ETo Information: The purpose of this project is to improve reference crop evapotranspiration (ET_o) information within the Lower Coachella Valley. Reference evapotranspiration can be adjusted to accurately estimate the water use for most crops and is a valuable tool for scientific irrigation scheduling. The end result of this project will be to provide accurate, reliable ET_o data to Lower Valley irrigators.

The main beneficiaries at the farm level will be growers who currently implement ET-based irrigation scheduling but (1) are not able to obtain accurate ET_o data on a daily basis or (2) are not accurately adjusting available ET_o data for specific farms. All water users will benefit at the District scale if water savings occur. Net water savings for the Lower Valley are expected to be 360 acre feet per year. Annual cost of this project over a 25-year life is estimated at \$42,000. For savings of 360 acre feet per year, the cost of water saved is estimated at \$116 per acre foot.

Environmental Review

Environmental review for the Selected Conservation Measures is described in Section 3.1.5, of the 2010 Coachella Valley Water Management Plan Update Administrative Draft Subsequent Program Environmental Impact Report SCH No. 2007091099 Page 3-9 (on file at the District or at www.cvwd.org).

Selected Measures - Implementation Schedule and Budgets

Agricultural conservation measures implementation schedule and budgets are considered as a part of the overall Coachella Valley Water Management Plan 2010 Update Draft Report Table 8-1 and Table 8-4 (on file at the District or at www.cvwd.org).

Water Conservation Manager

The district hired a water conservation coordinator in 2005. Since that time the position has been changed to Conservation Manager. The Conservation Managers oversees the staff and programs of the Water Management Department. In addition to the Conservation Manager, the Water Management Department has a staff consisting of a water management supervisor, seven water management specialists, three water management technicians and three water management aides. Staff works with farmers, golf courses, cities, private residences and homeowner associations to encourage the efficient use of water.

Attachments

Attachment A District Map

Attachment B Location Map

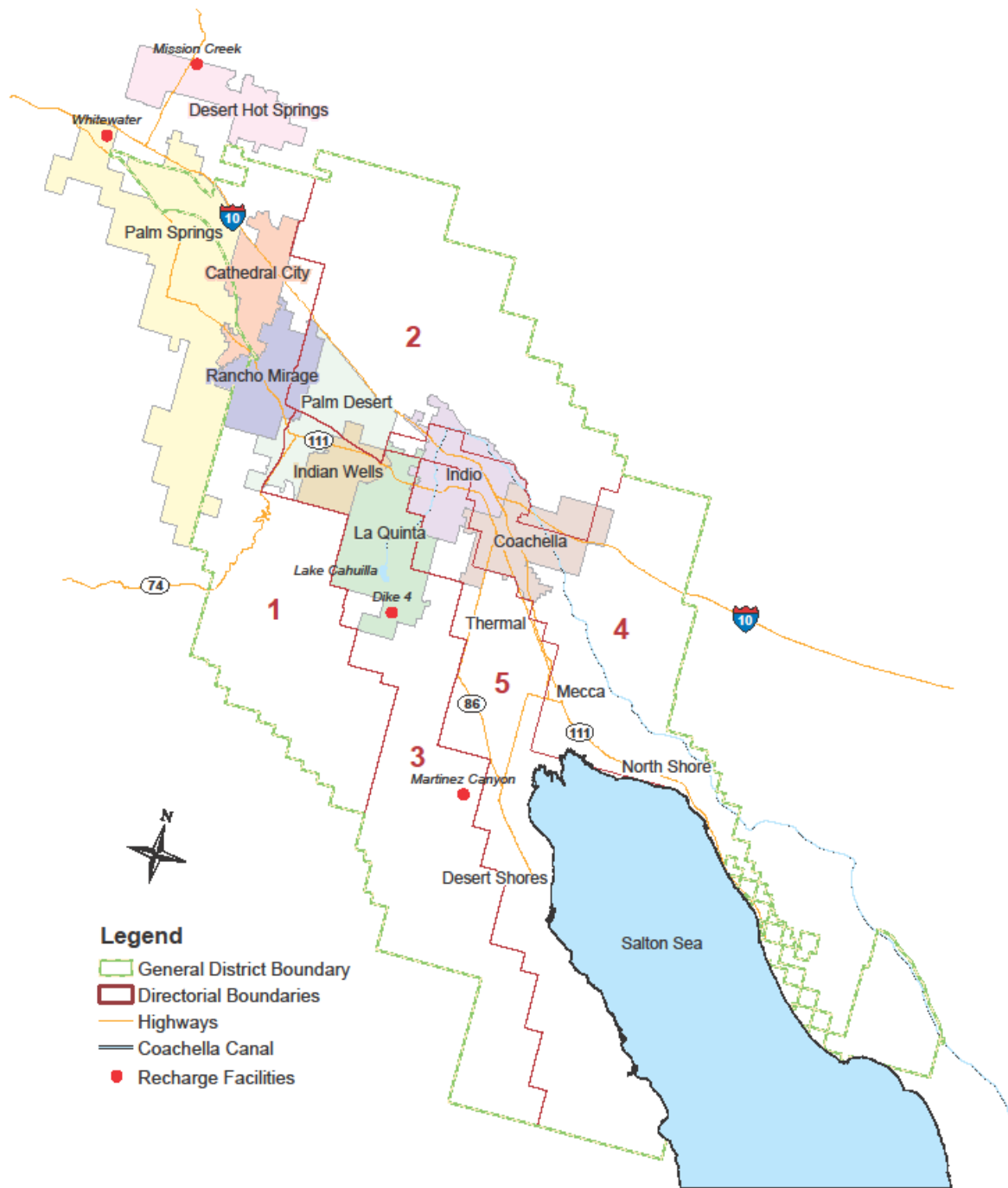
Attachment C Improvement District No. 1

Attachment D 2015 Crop Report

Attachment E 2016 Canal Water Rates

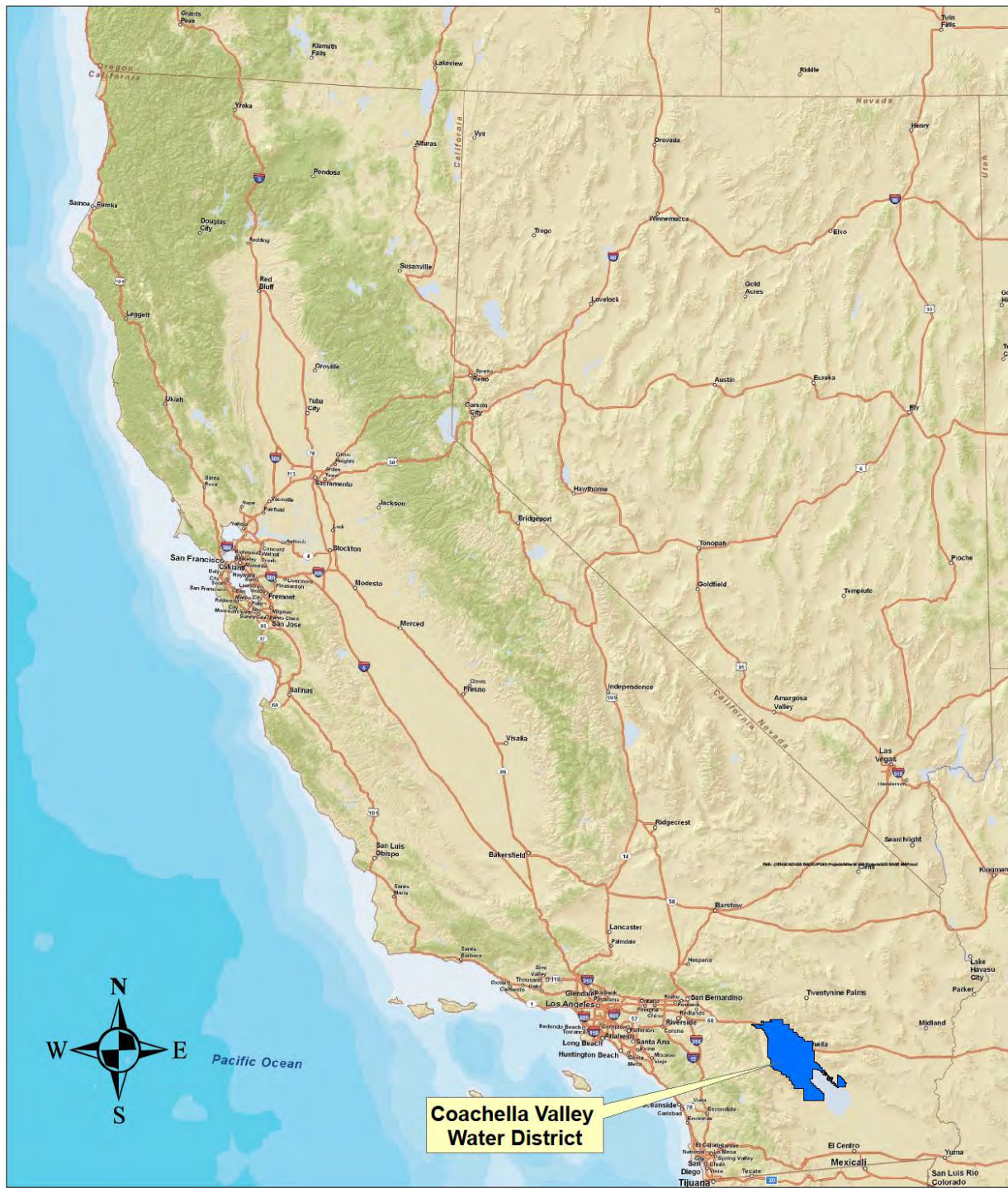
Attachment F 2014 WMP Status Report

Attachment A: District Boundary Map

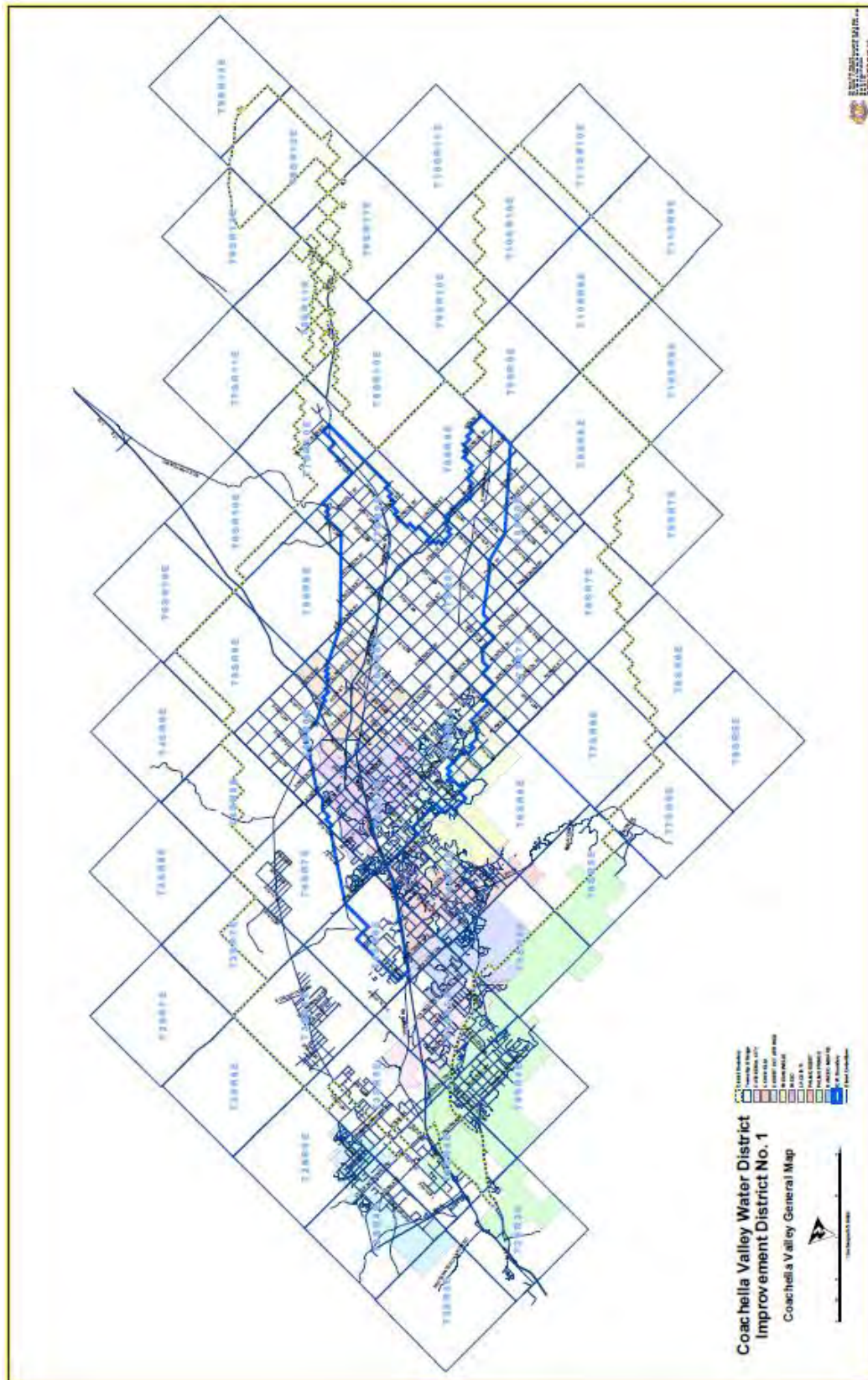


Attachment B: Location Map

Coachella Valley Water District California Vicinity Map



Attachment C: Improvement District No. 1 Map



Attachment
1-6

Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Surface Water Diverter Compliance

Surface Water Diverter Compliance

CVWD and DWA are the only surface water diverters that would receive funding from the proposed grant. CWA, IWA, and MSWD are not surface water diverters.

CVWD has three appropriative surface water applications that are permitted, including:

- Whitewater River – Application Number: A001122
- Colorado River – Application Number: A0007843
- Tributary Creeks, including Andreas Canyon Creek, Falls Creek, Murray Canyon Creek, Palm Canyon Creek, Snow Creek, Tahquitz Creek, and Whitewater River – Application Number: A002922

The reports submitted to State Water Resources Control Board – Division of Water Rights (SWRCB-DWR) for 2018 are included in **Appendix 1-6**.

Contact information for CVWD for surface water diverter information is as follows:

- Contact: Mike Nusser
Phone Number: (760) 398-2661 ext. 2270
Email Address: mnusser@cvwd.org

DWA has three appropriative surface water applications and one groundwater recordation:

- Snow Creek (2) – Application Numbers: A004752 and A013067
- Falls Creek – Application Number: A008957
- Chino Creek – Recordation Number: G331035

The reports submitted to SWRCB-DWR for 2018 are included in **Appendix 1-6**. Contact information for DWA for surface water diverter information is as follows:

- Contact: Ryan Molhoek, PE
Phone Number: (760) 323-4971 ext. 148
Email Address: rmolhoek@dwa.org
-



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Appendix 1-6. CVWD Surface Water Diversion - Whitewater

[SUMMARY OF FINAL SUBMITTED VERSION]**PROGRESS REPORT BY PERMITTEE FOR 2018**

Primary Owner: COACHELLA VALLEY WATER DISTRICT

Primary Contact:

Date Submitted: 03/26/2019

Application Number: A001122

Permit Number: 000536

Source(s) of Water	POD Parcel Number	County
WHITEWATER RIVER		Riverside
WHITEWATER RIVER		Riverside

MAX Direct Diversion Rate: 400 CFS

MAX Collection to Storage: 0 AC-FT

Face Value: 289591 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Irrigation	25000	01/01 to 12/31	
Domestic	0	01/01 to 12/31	

1. Permit Review

I have reviewed my water right permit Yes

2. Compliance with Permit Terms and Conditions

I am complying with all terms and conditions Yes

Description of noncompliance with terms and conditions

3. Changes to the Project

Intake location has been changed

Description of intake location changes

Type of use has changed

Description of type of use changes

Place of use has changed

Description of place of use changes

Other changes

Description of other changes

4-6. Permitted Project Status

Project Status Not Complete

6a. Construction work has commenced Yes

6b. Construction is completed No

6c. Beneficial uses of water has commenced Yes

6d. Project will be completed within the time period specified No
in the permit

6e. Explanation of work remaining to be done The groundwater recharge facility ponds are of such nature that routine and continuing construction is needed to repair and build dikes, smooth land, etc. to replenish water underground

6f. Estimated date of completion 12/31/2099

7. Purpose of Use

Other Groundwater recharge of the Indio Subbasin

Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis? No

8. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	8.90
February	4.70
March	5.50
April	7.20
May	7.60
June	3.70
July	3.80
August	2.70
September	5.70
October	6.50
November	6.80
December	6.70

9. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	546.9	0	546.9
February	262.9	0	262.9
March	338.8	0	338.8
April	428.3	0	428.3
May	468.9	0	468.9
June	220.4	0	220.4
July	230.8	0	230.8
August	168.2	0	168.2
September	336.8	0	336.8
October	399.6	0	399.6

November	402.7	0	402.7
December	413.7	0	413.7
Total	4218	0	4218

Type of Diversion Direct Diversion Only

Comments

Water Transfers

9d. Water transfered No

9e. Quantity transfered (Acre-Feet)

9f. Dates which transfer occurred / to /

9g. Transfer approved by

Water Supply Contracts

9h. Water supply contract No

9i. Contract with

9j. Other provider

9k. Contract number

9l. Source from which contract water was diverted

9m. Point of diversion same as identified water right

9n. Amount (Acre-Feet) authorized to divert under this contract

9o. Amount (Acre-Feet) authorized to be diverted in 2018

9p. Amount (Acre-Feet) projected for 2019

9q. Exchange or settlement of prior rights

9r. All monthly reported diversion claimed under the prior rights

9s. Amount (Acre-Feet) of reported diversion solely under contract

10. Water Diversion Measurement

a. Required to measure as of the date this report is submitted Yes

b. Is diversion measured? Yes

c. An alternative compliance plan was submitted to the division of water rights on

d. A request for additional time was submitted to the division of water rights on

Measurement ID number M001132

This Device/Method was used to measure water during the current reporting period Yes

M1. Briefly describe the measurement device or method USGS Stream Gage

M2. Nickname Whitewater River at Windy Point

M3. Type of device / method Other: Bubbler, pressure transducer, staff gage, and weir

M4. Device make Design Analysis

M5. Serial number 1319 and 1154

M6. Model number H-350 Lite

M7. Approximate date of installation 06/01/2013

M8. Additional info

There are two gages for this one site; Main Channel and Overflow Channel.

M9. Approximate date the measuring device was last calibrated or the measurement method was updated 02/07/2018

M10. Estimated accuracy of measurement within 8%

M11. Description of calibration method Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the staff gage.

M12. Describe the maintenance schedule for the device/method Monthly

Information for the person who last calibrated the device or designed the measurement method

M13. Name Josh Agozino

M14. Phone number 858-679-4015

M15. Email

M16. Qualifications of the individual Hydrologist or Engineer employed by a Federal Agency

M17. License number and type for the qualified individual above and/or any other relevant explanation USGS Hydrologic Technician

M18. Type of data recorder device / method Data logger (digital)

M19. Data recorder device make Sutron

M20. Data recorder serial number 807541

M21. Data recorder model number SL2-ENC

M22. Data recorder units of measurement Cubic Feet

M23. Frequency of data recording More frequent than hourly

M24. Additional data recorder info

M25. I am required to report my diversion or storage data by telemetry as of the date this report is No submitted

M26. I report my diversion or storage data by telemetry to the following website

Measurement Attachments

Measurement ID Number	File Name	Description	Size
M001132	Windy Point Main Channel Rating.pdf	Windy Point Main Channel Rating	33 KB
M001132	Windy Point Overflow Rating.pdf	Windy Point Overflow Rating	35 KB

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M001132			

[Water Rights Permits Annual
Diversions 2018.xlsx](#)

Water Rights Permits Annual 27
Diversions 2018 KB

11. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
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Conservation of Water

12. Are you now employing water conservation efforts?

Yes

Description of water conservation efforts

Budget based tiered rates, on-site conservation reviews, large scale water audits for commercial customers, landscape ordinance/plan check, water waste patrols, indoor conservation kits (free to customers, toilet retrofit rebate, desert landscape rebate, smart irrigation controller installation program, irrigation efficiency rebate, sprinkler nozzle replacement rebate, commercial water brooms installation, commercial prerinse nozzle installation, golf course turf rebate, agricultural flood to drip rebate, landscape workshops, professional landscaper certification course, in classroom education, educational tours, native plant book "Lush and Efficient", conservation how to videos

13. Amount of water conserved

Water Quality and Wastewater Reclamation

14. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?

Yes

15. Amount of reclaimed, desalinated, or polluted water used

Conjunctive Use of Groundwater and Surface Water

16. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit?

No

17. Amounts of groundwater used

Additional Remarks

Attachments

File Name	Description	Size
Water Rights Permits Annual Diversions 2018.pdf	Water Rights Permits Annual Diversions 2018	62 KB

Contact Information of the Person Submitting the Form

First Name	Zoe
Last Name	Rodriguez del Rey
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory

Name of Person Signing and Certifying the Report Zoe Rodriguez del Rey

Date of Signature 03/26/2019

Appendix 1-6. CVWD Surface Water Diversion - Colorado River

[SUMMARY OF FINAL SUBMITTED VERSION]**PROGRESS REPORT BY PERMITTEE FOR 2018**

Primary Owner: COACHELLA VALLEY WATER DISTRICT

Primary Contact:

Date Submitted: 03/26/2019

Application Number: A007483

Permit Number: 007650

Source(s) of Water	POD Parcel Number	County
COLORADO RIVER		Imperial

MAX Direct Diversion Rate: 2000 CFS

MAX Collection to Storage: 0 AC-FT

Face Value: 1447955 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Irrigation	161153.90	01/01 to 12/31	
Domestic		01/01 to 12/31	

1. Permit Review

I have reviewed my water right permit Yes

2. Compliance with Permit Terms and Conditions

I am complying with all terms and conditions Yes

Description of noncompliance with terms and conditions

3. Changes to the Project

Intake location has been changed

Description of intake location changes

Type of use has changed

Description of type of use changes

Place of use has changed

Description of place of use changes

Other changes

Description of other changes

4-6. Permitted Project Status

Project Status Not Complete

6a. Construction

work has Yes
commenced

No

6b. Construction is completed

6c. Beneficial uses of water has commenced Yes

6d. Project will be completed within the time period specified in the permit No

6e. Explanation of work remaining to be done CVWD's Colorado River delivery system is comprised of the Coachella Branch of the All-American Canal (Coachella Canal- 123 miles), protective works (flood protection dikes and channels), irrigation distribution system (subsurface pipelines - 485 miles), terminal reservoir (Lake Cahuilla), and groundwater recharge facility (Thomas E. Levy Groundwater Replenishment Facility). These facilities require continuing construction, reconstruction and maintenance, and in that sense the project is not complete.

6f. Estimated date of completion 12/31/2099

7. Purpose of Use

Dust Control	Varies based on climatic conditions
Fish Culture	Varies based on economic conditions
Irrigation	
Stockwatering	Varies based on economic
Fish and Wildlife Protection and/or Enhancement	56 wildlife drinkers and wildlife habitat supply
Other	Groundwater recharge of the Indio Subbasin and variables acres of dust and heat protection based on climate

Irrigated Crops

	Multiple Crops	Area Irrigated (Acres)	Primary Irrigation Method
Alfalfa	No	874	
Corn	No	1883	
Golf Course	No	6043	
Grapes	No	7379	
Pasture	No	1472	
Plant Nursery (flowers, etc.)	No	1454	
Sod (lawn grass)	No	427	
Sugar Beet	No	235	
Tomatoes	No	320	
Tree Fruit (citrus)	No	5806	
Vegetables	No	24707	
	No	2331	

Other: turf grass, polo fields, fish farms,
and duck ponds

Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis? No

8. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	265.50
February	389
March	408.40
April	510.90
May	573.50
June	596.10
July	630.50
August	605.40
September	531.10
October	410.90
November	459.40
December	351.90

9. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	16299	0	16299
February	21567	0	21567
March	25068	0	25068
April	30348	0	30348
May	35200	0	35200
June	35408	0	35408
July	38699	0	38699
August	37162	0	37162
September	31550	0	31550
October	25221	0	25221
November	27289	0	27289
December	21597	0	21597
Total	345408	0	345408

Type of Diversion Direct Diversion Only

Comments

Water Transfers

9d. Water transfered No

9e. Quantity transfered (Acre-Feet)

9f. Dates which transfer occurred / to /

9g. Transfer approved by

Water Supply Contracts

9h. Water supply contract No

9i. Contract with

9j. Other provider

9k. Contract number

9l. Source from which contract water was diverted

9m. Point of diversion same as identified water right

9n. Amount (Acre-Feet) authorized to divert under this contract

9o. Amount (Acre-Feet) authorized to be diverted in 2018

9p. Amount (Acre-Feet) projected for 2019

9q. Exchange or settlement of prior rights

9r. All monthly reported diversion claimed under the prior rights

9s. Amount (Acre-Feet) of reported diversion solely under contract

10. Water Diversion Measurement

a. Required to measure as of the date this report is submitted Yes

b. Is diversion measured? Yes

c. An alternative compliance plan was submitted to the division of water rights on

d. A request for additional time was submitted to the division of water rights on

Measurement ID number M001052

This Device/Method was
used to measure water during Yes
the current reporting period

M1. Briefly describe the
measurement device or method Sontek Argonaut SL Acoustic Doppler Velocity Meter

M2. Nickname ADVN/Index-Velocity

M3. Type of device / method Doppler or other electronic device

M4. Device make Sontek

M5. Serial number E2717

M6. Model number Argonaut SL

M7. Approximate date of
installation 12/01/2008

M8. Additional info The ADVN is connected to a Design Analysis H500xl electronic data
logger. This is connected to a Geo-orbital Environmental Satellite
Radio for real time data. There is an additional radio connector to
CVWD equipment.

M9. Approximate date the
measuring device was last
calibrated or the
measurement method was
updated 02/06/2018

M10. Estimated accuracy of measurement <8%

M11. Description of calibration method Discharge measurements are made using an Acoustic Doppler Current meter (ADCP) on a monthly basis. This is compared to the Index-Velocity rating where any needed adjustments can be made.

M12. Describe the maintenance schedule for the device/method The site is visited every month.

Information for the person who last calibrated the device or designed the measurement method

M13. Name Ryan Trent/Hugh Darling

M14. Phone number 928-782-6024

M15. Email hdarling@usgs.gov

M16. Qualifications of the individual Hydrologist or Engineer employed by a Federal Agency

M17. License number and type for the qualified individual above and/or any other relevant explanation Personnel is a Hydrologic Technician with the USGS, trained in the use of Hydroacoustic equipment using USGS standards.

M18. Type of data recorder device / method Data logger (digital)

M19. Data recorder device make Design Analysis

M20. Data recorder serial number

M21. Data recorder model number H500xl

M22. Data recorder units of measurement Acre-Feet

M23. Frequency of data recording More frequent than hourly

M24. Additional data recorder info The data logger has several units of measurement. Data is recorded according to USGS standards.

M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted No

M26. I report my diversion or storage data by telemetry to the following website https://waterdata.usgs.gov/az/nwis/uv?site_no=09527590&PARAMeter_cd=00065,00060

Measurement Attachments

Measurement ID Number File Name Description Size

No attachments

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M001052	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB

11. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
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Conservation of Water

12. Are you now employing water conservation efforts? Yes

Description of water conservation efforts

Budget based tiered rates, on-site conservation reviews, large scale water audits for commercial customers, landscape ordinance/plan check, water waste patrols, indoor conservation kits (free to customers, toilet retrofit rebate, desert landscape rebate, smart irrigation controller installation program, irrigation efficiency rebate, sprinkler nozzle replacement rebate, commercial water brooms installation, commercial prerinse nozzle installation, golf course turf rebate, agricultural flood to drip rebate, landscape workshops, professional landscaper certification course, in classroom education, educational tours, native plant book "Lush and Efficient", conservation how to videos

13. Amount of water conserved

Water Quality and Wastewater Reclamation

14. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses? Yes

15. Amount of reclaimed, desalinated, or polluted water used

Conjunctive Use of Groundwater and Surface Water

16. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit? No

17. Amounts of groundwater used

Additional Remarks

Attachments

File Name	Description	Size
Water Rights Permits Annual Diversions 2018.pdf	Water Rights Permits Annual Diversions 2018	62 KB

Contact Information of the Person Submitting the Form

First Name Zoe
Last Name Rodriguez del Rey

Information on Certification and Signatory

Date of Signature 03/26/2019

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Appendix 1-6. CVWD Surface Water Diversion - Tributary Creeks

[SUMMARY OF FINAL SUBMITTED VERSION]**PROGRESS REPORT BY PERMITTEE FOR 2018**

Primary Owner: COACHELLA VALLEY WATER DISTRICT

Primary Contact:

Date Submitted: 03/26/2019

Application Number: A002922

Permit Number: 003011

Source(s) of Water	POD Parcel Number	County
SNOW CREEK		Riverside
PALM CANYON CREEK		Riverside
ANDREAS CANYON CREEK		Riverside
FALLS CREEK		Riverside
TAHQUITZ CREEK		Riverside
WHITEWATER RIVER		Riverside
MURRAY CANYON CREEK		Riverside

MAX Direct Diversion Rate: 0 GPD

MAX Collection to Storage: 39000 AC-FT

Face Value: 39000 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Domestic	0		01/01 to 12/31
Irrigation	25000		01/01 to 12/31

1. Permit Review

I have reviewed my water right permit Yes

2. Compliance with Permit Terms and Conditions

I am complying with all terms and conditions Yes

Description of noncompliance with terms and conditions

3. Changes to the Project

Intake location has been changed

Description of intake location changes

Type of use has changed

Description of type of use changes

Place of use has changed

Description of place of use changes

Other changes

Description of other changes

4-6. Permitted Project Status

Project Status	Not Complete
6a. Construction work has commenced	Yes
6b. Construction is completed	No
6c. Beneficial uses of water has commenced	Yes
6d. Project will be completed within the time period specified in the permit	No
6e. Explanation of work remaining to be done	The groundwater replenishment facility ponds are of such nature that routine and continuing construction is needed to repair and build the dikes, smooth land etc. to replenish groundwater
6f. Estimated date of completion	12/31/2099

7. Purpose of Use

Other Groundwater recharge of the Indio Subbasin

Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis? No

8. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	87
February	6.90
March	75.10
April	8.60
May	5.40
June	3.60
July	3.30
August	2.80
September	2.60
October	4.40
November	16.50
December	19.40

9. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	1349.9	0	1349.9
February	1727.7	0	1727.7
March	2577.9	0	2577.9
April	1611.6	0	1611.6
May	795.7	0	795.7

June	361.9	0	361.9
July	226.6	0	226.6
August	134.9	0	134.9
September	141.2	0	141.2
October	183.7	0	183.7
November	214.4	0	214.4
December	392.9	0	392.9
Total	9718.4	0	9718.4

Type of Diversion Direct Diversion Only

Comments

Water Transfers

9d. Water transfered No

9e. Quantity transfered (Acre-Feet)

9f. Dates which transfer occurred / to /

9g. Transfer approved by

Water Supply Contracts

9h. Water supply contract No

9i. Contract with

9j. Other provider

9k. Contract number

9l. Source from which contract water was diverted

9m. Point of diversion same as identified water right

9n. Amount (Acre-Feet) authorized to divert under this contract

9o. Amount (Acre-Feet) authorized to be diverted in 2018

9p. Amount (Acre-Feet) projected for 2019

9q. Exchange or settlement of prior rights

9r. All monthly reported diversion claimed under the prior rights

9s. Amount (Acre-Feet) of reported diversion solely under contract

10. Water Diversion Measurement

a. Required to measure as of the date this report is submitted Yes

b. Is diversion measured? Yes

c. An alternative compliance plan was submitted to the division of water rights on

d. A request for additional time was submitted to the division of water rights on

Measurement ID number M001101

This Device/Method was used to measure water during the current reporting period Yes

M1. Briefly describe the measurement device or method USGS stream gage

M2. Nickname Snow Creek near Whitewater 10256500

M3. Type of device / method Other: Bubbler, pressure transducer, staff gage, and weir

M4. Device make	Sutron Accubar
M5. Serial number	984831
M6. Model number	Accubar 5600/35 PSI
M7. Approximate date of installation	06/01/2012
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	01/04/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the staff gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Josh Agozino
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	Hydrologist or Engineer employed by a Federal Agency
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Sutron
M20. Data recorder serial number	1407398
M21. Data recorder model number	SL2-ENC
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage data by telemetry to the following website	
Measurement ID number	M001105
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS Stream Gage
M2. Nickname	Falls Creek near Whitewater 10257500
M3. Type of device / method	
M4. Device make	Design Analysis

M5. Serial number	1968
M6. Model number	H-350 Lite
M7. Approximate date of installation	06/01/2012
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	01/04/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the staff gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Josh Agozino
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	Hydrologist or Engineer employed by a Federal Agency
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Sutron
M20. Data recorder serial number	1407398
M21. Data recorder model number	SL2-ENC
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage data by telemetry to the following website	
Measurement ID number	M001106
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS Stream Gage
M2. Nickname	Andreas Creek near Palm Springs 10259000
M3. Type of device / method	
M4. Device make	Handar
M5. Serial number	622

M6. Model number	Handar 436B (Encoder)
M7. Approximate date of installation	06/01/2012
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	02/08/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the float (encoder value) is within its accuracy limits of the staff gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Josh Agozino
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	Hydrologist or Engineer employed by a Federal Agency
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Sutron
M20. Data recorder serial number	807570
M21. Data recorder model number	SL2-ENC
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	
Measurement ID number	M001107
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS Stream Gage
M2. Nickname	Tahquitz Creek near Palm Springs 1025000
M3. Type of device / method	Other: Float, staff gage, and weir
M4. Device make	Handar
M5. Serial number	3872
M6. Model number	Handar 436B (Encoder)

M7. Approximate date of installation	06/01/2008
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	02/08/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the float (encoder value) is within its accuracy limits of the staff gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Josh Agozino
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	Hydrologist or Engineer employed by a Federal Agency
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Sutron
M20. Data recorder serial number	803234
M21. Data recorder model number	SL2-ENC
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage data by telemetry to the following website	
Measurement ID number	M001108
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS Stream Gage
M2. Nickname	Palm Canyon Wash near Cathedral City 10259050
M3. Type of device / method	Other: Bubbler, pressure transducer, and reference gage
M4. Device make	Design Analysis
M5. Serial number	2092

M6. Model number	H-355 Lite
M7. Approximate date of installation	06/01/2012
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	01/11/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the staff gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Zach Barry
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	Hydrologist or Engineer employed by a Federal Agency
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	13M1000482
M21. Data recorder model number	Design Analysis 522+
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	
Measurement ID number	M001110
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS Staff Gage
M2. Nickname	Murray Canyon Creek near Palm Springs 10258700
M3. Type of device / method	Other: Bubbler, pressure transducer, and reference gage.
M4. Device make	Design Analysis

M5. Serial number	14L101742
M6. Model number	H3553
M7. Approximate date of installation	11/02/2016
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	02/08/2018
M10. Estimated accuracy of measurement	within 8%
M11. Description of calibration method	Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the reference gage.
M12. Describe the maintenance schedule for the device/method	Monthly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Josh Agozino
M14. Phone number	858-679-4015
M15. Email	rspatter@usgs.gov
M16. Qualifications of the individual	
M17. License number and type for the qualified individual above and/or any other relevant explanation	USGS Hydrologic Technician
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Sutron
M20. Data recorder serial number	059450
M21. Data recorder model number	SL2-ENC
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage data by telemetry to the following website	
Measurement ID number	M001111
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	USGS
M2. Nickname	Whitewater River at Windy Point 10257550
M3. Type of device / method	Other: Bubbler, pressrue transducer, staff gage, and weir
M4. Device make	Design Analysis
M5. Serial number	1319 and 1154

M6. Model number H-350

M7. Approximate date of installation 06/01/2013

M8. Additional info There are two gages for this one site; Main Channel and Overflow Channel.

M9. Approximate date the measuring device was last calibrated or the measurement method was updated 02/07/2018

M10. Estimated accuracy of measurement within 8%

M11. Description of calibration method Monthly calibration checks to verify that the pressure transducer is within its accuracy limits of the staff gage.

M12. Describe the maintenance schedule for the device/method Monthly

Information for the person who last calibrated the device or designed the measurement method

M13. Name Josh Agozino

M14. Phone number 858-679-4015

M15. Email

M16. Qualifications of the individual Hydrologist or Engineer employed by a Federal Agency

M17. License number and type for the qualified individual above and/or any other relevant explanation USGS Hydrologic Technician

M18. Type of data recorder device / method Data logger (digital)

M19. Data recorder device make Sutron

M20. Data recorder serial number 807541

M21. Data recorder model number SL2-ENC

M22. Data recorder units of measurement Cubic Feet

M23. Frequency of data recording More frequent than hourly

M24. Additional data recorder info

M25. I am required to report my diversion or storage data by telemetry as of the date this report is No submitted

M26. I report my diversion or storage data by telemetry to the following website

Measurement Attachments

Measurement ID Number	File Name	Description	Size
M001101	Snow Creek Rating.pdf	Snow Creek Rating	37 KB
M001105	Falls Creek Rating.pdf	Falls Creek Rating	36 KB
M001106	Andreas Crk Rating.pdf	Andreas Creek Rating	37 KB
M001107	Tahquitz Crk Rating.pdf	Tahquitz Creek Rating	40 KB
M001108	Palm Canyon Wash Rating.pdf	Palm Canyon Wash Rating	105 KB

M001110	Murray Canyon Rating.pdf	Murray Canyon Rating	109 KB
M001111	Windy Point Main Channel Rating.pdf	Windy Point Main Channel Rating	33 KB
M001111	Windy Point Overflow Rating.pdf	Windy Point Overflow Rating	35 KB

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M001101	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001105	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001106	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001107	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001108	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001110	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB
M001111	Water Rights Permits Annual Diversions 2018.xlsx	Water Rights Permits Annual Diversions 2018	27 KB

11. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Indio Subbasin	No	0	No	0	No applicable to groundwater basin

Conservation of Water

12. Are you now employing water conservation efforts?

Yes

Description of water conservation efforts

Budget based tiered rates, on-site conservation reviews, large scale water audits for commercial customers, landscape ordinance/plan check, water waste patrols, indoor conservation kits (free to customers, toilet retrofit rebate, desert landscape rebate, smart irrigation controller installation program, irrigation efficiency rebate, sprinkler nozzle replacement rebate, commercial water brooms installation, commercial prerinse nozzle installation, golf course turf rebate, agricultural flood to drip rebate, landscape workshops, professional landscaper certification course, in classroom education, educational tours, native plant book "Lush and Efficient", conservation howto videos

13. Amount of water conserved

Water Quality and Wastewater Reclamation

14. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses? Yes

15. Amount of reclaimed, desalinated, or polluted water used

Conjunctive Use of Groundwater and Surface Water

16. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit? No

17. Amounts of groundwater used

Additional Remarks

Attachments

File Name	Description	Size
<u>Water Rights Permits Annual Diversions 2018.pdf</u>	Water Rights Permits Annual Diversions 2018	62 KB

Contact Information of the Person Submitting the Form

First Name Zoe
 Last Name Rodriguez del Rey
 Relation to Water Right Primary Owner of Record

Information on Certification and Signatory

Name of Person Signing and Certifying the Report Zoe Rodriguez del Rey
 Date of Signature 03/26/2019

[SUMMARY OF FINAL SUBMITTED VERSION]**Appendix 1-6. DWA Surface Water Diversion - Snow Creek - 1****REPORT OF LICENSEE FOR 2018**

Primary Owner: DESERT WATER AGENCY

Primary Contact:

Date Submitted: 04/04/2019

Application Number: A013067

License Number: 008226

Source(s) of Water	POD Parcel Number	County
SNOW CREEK		Riverside

MAX Direct Diversion Rate: 4 CFS
 MAX Collection to Storage: 0 AC-FT
 Face Value: 2895.9 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Municipal	0	01/01 to 12/31	
Incidental Power	0	01/01 to 12/31	

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
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2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
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Description of noncompliance with terms and conditions	
--	--

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Municipal	64140
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Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
--	----

5. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	4
February	4
March	4
April	4
May	4
June	4

July	4
August	0
September	4
October	4
November	4
December	4

6. Amount of Water Diverted and Used			
Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	39.01	39.01
February	0	54.53	54.53
March	0	28.95	28.95
April	0	67.88	67.88
May	0	61.46	61.46
June	0	14.44	14.44
July	0	19.26	19.26
August	0	0	0
September	0	37.77	37.77
October	0	26.79	26.79
November	0	54.63	54.63
December	0	24.24	24.24
Total	0	428.96	428.96
Type of Diversion	Diversion to Storage Only		
Comments			

Water Transfers	
6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	No
6i. Contract with	
6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2018	
6p. Amount (Acre-Feet) projected for 2019	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	

d. A request for additional time was submitted to the division of water rights on

Measurement ID number	M014558
This Device/Method was used to measure water during the current reporting period	
M1. Briefly describe the measurement device or method	
M2. Nickname	
M3. Type of device / method	
M4. Device make	
M5. Serial number	
M6. Model number	
M7. Approximate date of installation	
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	
M10. Estimated accuracy of measurement	
M11. Description of calibration method	
M12. Describe the maintenance schedule for the device/method	
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	
M14. Phone number	
M15. Email	
M16. Qualifications of the individual	
M17. License number and type for the qualified individual above and/or any other relevant explanation	
M18. Type of data recorder device / method	
M19. Data recorder device make	
M20. Data recorder serial number	
M21. Data recorder model number	
M22. Data recorder units of measurement	
M23. Frequency of data recording	
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	
M26. I report my diversion or storage data by telemetry to the following website	

Measurement Attachments			
Measurement ID Number	File Name	Description	Size
No attachments			

Measurement Data Files			
Measurement ID Number	File Name	Description	Size
No data files			

8. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water	
9. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	Turf Buy Back Program, Toilet Rebates,

	Public Outreach
10. Amount of water conserved	
11. I have data to support use reductions under this water right due to conservation efforts	

Water Quality and Wastewater Reclamation	
12. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
13. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
14. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
15. Amounts of groundwater used	

Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Krause
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Mark Krause
Date of Signature	04/04/2019

[SUMMARY OF FINAL SUBMITTED VERSION]**Appendix 1-6. DWA Surface Water Diversion - Snow Creek - 2****REPORT OF LICENSEE FOR 2018**

Primary Owner: DESERT WATER AGENCY
Primary Contact:

Date Submitted: 04/04/2019

Application Number: A004752
License Number: 002292

Source(s) of Water	POD Parcel Number	County
SNOW CREEK		Riverside

MAX Direct Diversion Rate: 1.5 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 1086 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Incidental Power	0	01/01 to 12/31	
Municipal	0	01/01 to 12/31	

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Municipal	64140
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Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
--	----

5. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	1.50
February	1.50
March	1.50
April	1.50
May	1.50
June	1.50

July	1.50
August	0
September	1.50
October	1.50
November	1.50
December	1.50

6. Amount of Water Diverted and Used			
Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	14.42	14.42
February	0	20.16	20.16
March	0	10.71	10.71
April	0	25.1	25.1
May	0	22.73	22.73
June	0	5.33	5.33
July	0	7.12	7.12
August	0	0	0
September	0	13.97	13.97
October	0	9.9	9.9
November	0	20.2	20.2
December	0	8.96	8.96
Total	0	158.6	158.6
Type of Diversion	Diversion to Storage Only		
Comments			

Water Transfers	
6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	No
6i. Contract with	
6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2018	
6p. Amount (Acre-Feet) projected for 2019	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	

d. A request for additional time was submitted to the division of water rights on	
---	--

Measurement Attachments			
Measurement ID Number	File Name	Description	Size
No attachments			

Measurement Data Files			
Measurement ID Number	File Name	Description	Size
No data files			

8. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water	
9. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	Turf Buy Back Program, Toilet Rebates, Public Outreach
10. Amount of water conserved	
11. I have data to support use reductions under this water right due to conservation efforts	

Water Quality and Wastewater Reclamation	
12. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
13. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
14. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
15. Amounts of groundwater used	

Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Krause
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Mark Krause
Date of Signature	04/04/2019

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[SUMMARY OF FINAL SUBMITTED VERSION]**Appendix 1-6. DWA Surface Water Diversion - Falls Creek****REPORT OF LICENSEE FOR 2018**

Primary Owner: DESERT WATER AGENCY
Primary Contact:

Date Submitted: 04/04/2019

Application Number: A008957
License Number: 003097

Source(s) of Water	POD Parcel Number	County
FALLS CREEK		Riverside

MAX Direct Diversion Rate: 1.5 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 640 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Municipal	0	01/01 to 12/31	
Incidental Power	0	01/01 to 12/31	

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
---	-----

Description of noncompliance with terms and conditions	
--	--

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Municipal	64140
-----------	-------

Special Use Categories

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
--	----

5. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	0
February	0
March	1.50
April	0
May	1.50
June	0

July	1.50
August	0
September	0
October	0
November	0
December	0

6. Amount of Water Diverted and Used			
Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	0	0
February	0	0	0
March	0	0.067	0.067
April	0	0	0
May	0	6.304	6.304
June	0	0	0
July	0	0.002	0.002
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	0	6.373	6.373
Type of Diversion	Diversion to Storage Only		
Comments			

Water Transfers	
6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	No
6i. Contract with	
6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2018	
6p. Amount (Acre-Feet) projected for 2019	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	

d. A request for additional time was submitted to the division of water rights on	
---	--

Measurement Attachments			
Measurement ID Number	File Name	Description	Size
No attachments			

Measurement Data Files			
Measurement ID Number	File Name	Description	Size
No data files			

8. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water	
9. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	Turf buy Back Program, Toilet Rebates, Public Outreach,
10. Amount of water conserved	
11. I have data to support use reductions under this water right due to conservation efforts	

Water Quality and Wastewater Reclamation	
12. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
13. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
14. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
15. Amounts of groundwater used	

Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Krause
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Mark Krause
Date of Signature	04/04/2019

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[SUMMARY OF FINAL SUBMITTED VERSION]**Appendix 1-6. DWA Groundwater Recordation - Chino Creek****ANNUAL NOTICE OF GROUNDWATER EXTRACTION AND DIVERSION FOR 2018**

Primary Owner: DESERT WATER AGENCY

Recordation Number: G331035

Date Submitted: 2019-06-26

1. Reporting to a Local Agency	
Local Agency	Submitter does not report to a local agency.

2. Type(s) of Diversion	
a. Groundwater Extraction	None
b. Surface Diversion	> 3 miner's inches

3. Ownership Type of Owner(s) on Record	
Ownership Type	Owner of land on which well or point of diversion is located, and is extracting/diverting water

4. Amount of Groundwater Extracted During Calendar Year	
Not applicable; Groundwater Extraction was not chosen as a type of diversion.	

5. Amount of Surface Water Diverted or Used		
Month	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	32.544	32.544
February	31.414	31.414
March	36.953	36.953
April	41.143	41.143
May	36.607	36.607
June	48.162	48.162
July	38.623	38.623
August	43.395	43.395
September	51.533	51.533
October	35.811	35.811
November	37.307	37.307
December	27.537	27.537
Total	461.029	461.029

5c. Maximum Rate of Surface Water Diversion	
Max Rate of Diversion	2 CFS

6. Method of Measurement	
Method of Measurement	Water Meter

7. Type(s) of Use	
Municipal	64140

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

Action Requested	
8. Action Requested	Record my water use

9. Supplemental Information	
Supplemental Information	

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Krause
Relation to Water Right	Primary Owner of Record
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

Attachment
1-7

Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – GWMP Compliance

GWMP Compliance

There are five groundwater users that will receive funding from the proposed grant: CVWD, DWA, CWA, IWA, and MSWD. The groundwater contacts for these entities are provided below:

- Coachella Valley Water District:
 - Contact: Mike Nusser
Phone Number: (760) 398-2661
Email Address: mnusser@cvwd.org
- Coachella Water Authority:
 - Contact: Berlinda Blackburn
Phone Number: (760) 501-8114
Email Address: bblackburn@coachella.org
- Desert Water Agency:
 - Contact: Ashley Metzger
Phone Number: (760) 323-4971
Email Address: ametzger@cvwd.org
- Mission Springs Water District:
 - Contact: Victoria Llort
Phone Number: (760) 329-5169
Email Address: vlort@mswd.org
- Indio Water Authority:
 - Contact: Adekunle Ojo
Phone Number: (760) 625-1805
Email Address: aojo@indio.org

As shown in **Table 1-3**, the four groundwater sub-basins that constitute the Coachella Valley Groundwater Basin (Basin 7-21) are the Indio (7-21.01), Mission Creek (7-21.02), Desert Hot Springs (7-21.03), and San Geronio (7-21.04) groundwater sub-basins. The West Salton Sea groundwater basin is outside of the Coachella Valley Groundwater Basin, but is within the CVRWMG boundary. Due to the stressed conditions of the Coachella Valley Groundwater Basin, water purveyors within the Coachella Valley have been implementing various programs to address and avoid the problem of overdraft and unstable groundwater levels. Prior to 2009, when the Thomas E. Levy Groundwater Replenishment Facility was complete, groundwater replenishment in the East Whitewater River Subbasin Area of Benefit occurred via in-lieu replenishment, where imported surface water was used for irrigation to offset groundwater pumping. CVWD and DWA have been implementing groundwater replenishment in the West Whitewater River Subbasin Area of Benefit since 1973, and in the Mission Creek Subbasin since 2002, through direct replenishment at the Whitewater River Groundwater Replenishment Facility and Mission Creek Groundwater Replenishment Facility, respectively.



Table 1-3: Groundwater Subbasins and Sub-Areas in the Coachella Valley Groundwater Basin¹

DWR Bulletin 118		Coachella Valley IRWM/SWR Plan		
Basin Number	Basin Name	Basin Name	Subbasin Name	
7-21.01	Indio	Whitewater River	West Whitewater River Subbasin Management Area or Area of Benefit	Palm Springs
				Indio Hills
				Thousand Palms
				Thermal (Western Coachella Valley) ²
			East Whitewater River Subbasin Management Area or Area of Benefit	Thermal (Eastern Coachella Valley) ²
				Oasis
				Barton Canyon
		Garnet Hill	Garnet Hill	
7-21.02	Mission Creek	Mission Creek	Mission Creek	
7-21.03	Desert Hot Springs	Desert Hot Springs	Miracle Hill	
			Sky Valley	
			Fargo Canyon	
			Mecca Hills	
7-21-.04	San Gorgonio Pass	San Gorgonio Pass	San Gorgonio Pass	
7-22	West Salton Sea	West Salton Sea	West Salton Sea	

¹ A groundwater breakdown for both the Indio and Mission Creek Subbasins are located in the SGMA Annual Reports located at <http://cvwd.org/357/Sustainable-Groundwater-Management-Act>

² Thermal Subarea is located in both the West and East Whitewater River Subbasins, which are divided along the eastern Coachella Valley-western Coachella Valley division of the Coachella Valley.

The Indio and Mission Creek Subbasins are both designated as medium priority basins under the Sustainable Groundwater Management Act (SGMA). Groundwater Sustainability Agencies (GSAs) were required to be formed for the two medium priority subbasins, Indio and Mission Creek, by June 30, 2017, and to develop Groundwater Sustainability Plans (GSPs) by January 31, 2022. CVWD, CWA, DWA, IWA and MSWD submitted application materials to become GSAs for different subbasins of the Coachella Valley Groundwater Basin.

Implementation of SGMA for the Indio Subbasin will be done via coordination of CVWD, CWA, DWA, and IWA, which have already submitted the necessary declarations and documentation to DWR as it relates to the subbasin's Alternative to a GSP (Alternative Plan). CVWD, CWA, DWA, and IWA prepared the SGMA Alternative Groundwater Sustainability Plan Bridge Document for the Indio Subbasin to demonstrate that the 2010 Coachella Valley Water Management Plan Update is functionally equivalent to the requirements for a GSP. See **Appendix 1-7** for DWR letter dated July 17, 2019, stating that the Indio Subbasin Alternative satisfies SGMA objectives and is approved.

Implementation of SGMA for the Mission Creek Subbasin will be done via coordination of CVWD, MSWD, and DWA, which have already submitted the necessary declarations and documentation to DWR as it relates to the subbasin's Alternative Plan. CVWD, DWA, and MSWD prepared the SGMA Alternative Groundwater Sustainability Plan Bridge Document for the Mission Creek Subbasin to demonstrate that the 2013 *Mission Creek-Garnet Hill Water Management Plan* is functionally equivalent to the requirements for a GSP. See **Appendix 1-7** for DWR letter dated July 17, 2019, stating that the Mission Creek Subbasin Alternative satisfies SGMA objectives and is approved.



Letters of support for the GSAs for the projects in this *Coachella Valley 2019 IRWM Implementation Grant Proposal* are included in **Appendix 1-7**. The Certification for Groundwater Management Plan Compliance forms for each CVRWMP agency are also included in **Appendix 1-7**.



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CALIFORNIA DEPARTMENT OF WATER RESOURCES

SUSTAINABLE GROUNDWATER MANAGEMENT OFFICE

901 P Street, Room 313-B | Sacramento, CA 95814 | P.O. Box 942836 | Sacramento, CA 94236-0001

July 17, 2019

Mr. Mike Nusser
Coachella Valley Water District
75515 Hovley Lane East
Palm Desert, California 92211

Dear Mr. Nusser,

The Department of Water Resources (Department) has evaluated the alternative submitted for the Indio Subbasin. Based on recommendations from the Staff Report, included as an exhibit to the attached Statement of Findings, the Department has determined that the Indio Subbasin Alternative satisfies the objectives of the Sustainable Groundwater Management Act (SGMA) and is approved. The Staff Report also proposes recommended actions for the consideration of the Coachella Valley Water District that the Department believes will enhance the Alternative and facilitate future evaluation by the Department. The recommended actions do not constitute a qualified approval of the Alternative; however, the Department encourages they be given due consideration and suggest incorporating any resulting changes to the Alternative in future updates.

As required by SGMA, the Department shall review approved alternatives to ensure they remain in compliance with the objectives of the Act. Approved alternatives are required to submit annual reports to the Department on April 1 of each year, and to resubmit the alternative by January 1 every five years. The first five-year update is due by January 1, 2022.

Please contact me at (916) 651-0870 or Craig.Altare@water.ca.gov if you have any questions related to the Department's evaluation or your implementation of the approved alternative.

Thank You,

A handwritten signature in black ink, appearing to read "Craig Altare".

Craig Altare, P.G.
Supervising Engineering Geologist

Attachments:

1. Statement of Findings Regarding the Approval of the Indio Subbasin Alternative

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CALIFORNIA DEPARTMENT OF WATER RESOURCES

SUSTAINABLE GROUNDWATER MANAGEMENT OFFICE

901 P Street, Room 313-B | Sacramento, CA 95814 | P.O. Box 942836 | Sacramento, CA 94236-0001

July 17, 2019

Mr. Mike Nusser
Coachella Valley Water District
75515 Hovley Lane East
Palm Desert, California 92211

Dear Mr. Nusser,

The Department of Water Resources (Department) has evaluated the alternative submitted for the Mission Creek Subbasin. Based on recommendations from the Staff Report, included as an exhibit to the attached Statement of Findings, the Department has determined that the Mission Creek Subbasin Alternative satisfies the objectives of the Sustainable Groundwater Management Act (SGMA) and is approved. The Staff Report also proposes recommended actions for the consideration of the Coachella Valley Water District that the Department believes will enhance the Alternative and facilitate future evaluation by the Department. The recommended actions do not constitute a qualified approval of the Alternative; however, the Department encourages they be given due consideration and suggest incorporating any resulting changes to the Alternative in future updates.

As required by SGMA, the Department shall review approved alternatives to ensure they remain in compliance with the objectives of the Act. Approved alternatives are required to submit annual reports to the Department on April 1 of each year, and to resubmit the alternative by January 1 every five years. The first five-year update is due by January 1, 2022.

Please contact me at (916) 651-0870 or Craig.Altare@water.ca.gov if you have any questions related to the Department's evaluation or your implementation of the approved alternative.

Thank You,

A handwritten signature in black ink, appearing to read "Craig Altare".

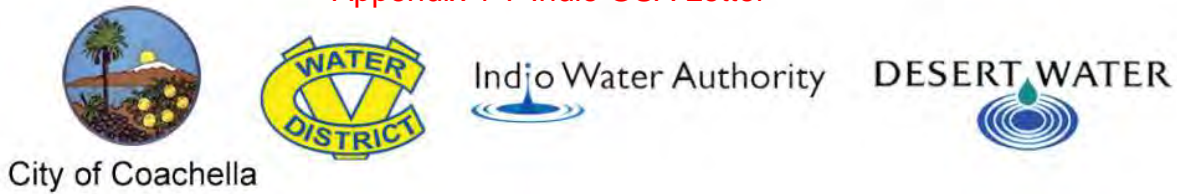
Craig Altare, P.G.
Supervising Engineering Geologist

Attachments:

1. Statement of Findings Regarding the Approval of the Mission Creek Subbasin Alternative

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Appendix 1-7 Indio GSA Letter



October 28, 2019

Carmel Brown
Financial Assistance Chief
California Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236

Dear Ms. Brown,

On behalf of Indio Subbasin Management Committee – comprised of Coachella Valley Water District (CVWD), Desert Water Agency (DWA), Indio Water Authority (IWA), and Coachella Water Authority (CWA) – we are pleased to submit this letter of support for the *2019 Coachella Valley Integrated Regional Water Management (IRWM) Implementation Grant Proposal*.

The Indio Subbasin planning area includes the entirety of the Indio Subbasin of the Coachella Valley Groundwater Basin. The Subbasin is unadjudicated and designated as a medium-priority subbasin by the California Department of Water Resources (DWR). Twenty years before the adoption of the Sustainable Groundwater Management Act (SGMA), CVWD began development of the 2002 *Coachella Valley Water Management Plan (CVWMP)* to address groundwater sustainability in the Subbasin. Following passage of SGMA, CVWD, DWA, CWA, and IWA each submitted application materials to become a Groundwater Sustainability Agency (GSA) for different portions of the Subbasin. In January 2017, CVWD, DWA, CWA, and IWA collaboratively submitted the 2010 *CVWMP Update* as an Alternative (Alternative Plan) to a Groundwater Sustainability Plan (GSP) for the Subbasin which was subsequently approved by DWR on July 17, 2019. Since establishing as GSAs, CVWD, DWA, CWA, and IWA have worked together as the Indio Subbasin Management Committee to implement SGMA requirements.

We understand that to achieve the objectives of SGMA, the State must invest in groundwater planning and other actions to improve groundwater sustainability. The Coachella Valley Groundwater Basin is critical because it provides safe drinking water for our communities. CVWD's grant application for the *2019 Coachella Valley IRWM Implementation Grant Proposal* will support sustainable groundwater management by conserving water, reducing groundwater pumping, reducing contaminant loading, and consolidating multiple small water systems into larger, more efficient municipal systems.

Grant funding received through the IRWM grant program will reduce financial burden on disadvantaged communities (DACs) within the Indio Subbasin by helping to maintain the Coachella Valley's water supply reliability. Together, the activities included in this proposal will contribute to implementation of projects that advance groundwater sustainability in the Coachella Valley.

Sincerely,



Mark S. Krause
General Manager – Chief Engineer
Desert Water Agency



Jim Barrett
General Manager
Coachella Valley Water District



Cástulo R. Estrada
Utilities Manager
Coachella Water Authority



Trish Rhay
General Manager
Indio Water Authority

Appendix 1-7 Mission Creek GSA Letter



October 28, 2019

Carmel Brown
Financial Assistance Chief
California Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236

Dear Ms. Brown,

On behalf of Mission Creek Subbasin Management Committee – comprised of Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) – we are pleased to submit this letter of support for the *2019 Coachella Valley Integrated Regional Water Management (IRWM) Implementation Grant Proposal*.

The Mission Creek-Garnet Hill planning area covers the Mission Creek Subbasin in the Coachella Valley Groundwater Basin. The Mission Creek Subbasin is designated as a medium-priority subbasin by the California Department of Water Resources (DWR). Following passage of the Sustainable Groundwater Management Act (SGMA), CVWD, DWA, and MSWD each submitted application materials to become a Groundwater Sustainability Agency (GSA) for different portions of the Subbasin. In response to a 2004 litigation settlement agreement, CVWD, DWA, and MSWD agreed to work jointly to manage the Mission Creek-Garnet Hill Subbasin. This collaborative effort led to the completion of the 2013 *Mission Creek-Garnet Hill Water Management Plan (MC-GH WMP)*. CVWD, DWA, and MSWD have worked together as the Mission Creek Subbasin Management Committee to implement SGMA requirements.

We understand that to achieve the objectives of SGMA, the State must invest in groundwater planning and other actions to improve groundwater sustainability. The Coachella Valley Groundwater Basin is critical because it provides safe drinking water for our communities. CVWD's grant application for the *2019 Coachella Valley IRWM Implementation Grant Proposal* will support sustainable groundwater management by conserving water, reducing groundwater pumping, reducing contaminant loading, and consolidating multiple small water systems into larger, more efficient municipal systems.

Grant funding received through the IRWM grant program will reduce financial burden on disadvantaged communities (DACs) within the Mission Creek Subbasin by helping to maintain the Coachella Valley's water supply reliability. Together, the activities included in this proposal will contribute to implementation of projects that advance groundwater sustainability in the Coachella Valley.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Barrett".

Jim Barrett
General Manager
Coachella Valley Water District

A handwritten signature in black ink, appearing to read "Arden Wallum".

Arden Wallum
General Manager – Chief Engineer
Mission Springs Water District

A handwritten signature in black ink, appearing to read "Mark S. Krause".

Mark S. Krause
General Manager – Chief Engineer
Desert Water Agency

California Department of Water Resources
Integrated Regional Water Management Grant Programs

**CERTIFICATION FOR GROUNDWATER MANAGEMENT PLAN COMPLIANCE
FOR THE
PROPOSITION 1, IMPLEMENTATION
GRANT PROGRAM**

Grant Program: Proposition 1, Round 1 IRWM Implementation
IRWM Region: Coachella Valley
Agency name: Coachella Valley Water District
Project Title (as shown on application form): Coachella Valley 2019 IRWM Implementation Grant Proposal

Please check one of the boxes below and sign and date this form.

- ☒ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency has prepared and implemented a GWMP in compliance with CWC §10753.7.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency participates or consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a).
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California that the agency conforms to the requirements of an adjudication of water rights in the subject groundwater basin.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that my project is located in a low or very low priority groundwater basin (as defined by the Department of Water Resources) and the agency consents to be subjected to a GWMP that will meet the requirements of CWC §10753.7 and be completed within 1-year of the grant application submittal date.

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Steve Bigley

Name of Authorized Representative
(Please print)



Signature

Director of Environmental Services

Title

October 21, 2019

Date

California Department of Water Resources
Integrated Regional Water Management Grant Programs

**CERTIFICATION FOR GROUNDWATER MANAGEMENT PLAN COMPLIANCE
FOR THE
PROPOSITION 1, IMPLEMENTATION
GRANT PROGRAM**

Grant Program: Proposition 1, Implementation

IRWM Region: Coachella Valley

Agency name: Coachella Water Authority

Project Title (as shown on application form): Coachella Valley IRWM 2019 Implementation Grant Proposal

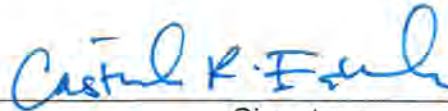
Please check one of the boxes below and sign and date this form.

- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency has prepared and implemented a GWMP in compliance with CWC §10753.7.
- ☒ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency participates or consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a).
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California that the agency conforms to the requirements of an adjudication of water rights in the subject groundwater basin.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that my project is located in a low or very low priority groundwater basin (as defined by the Department of Water Resources) and the agency consents to be subjected to a GWMP that will meet the requirements of CWC §10753.7 and be completed within 1-year of the grant application submittal date.

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Castulo Estrada

Name of Authorized Representative
(Please print)



Signature

Utilities Manager

Title

October 24, 2019

Date

California Department of Water Resources
Integrated Regional Water Management Grant Programs

**CERTIFICATION FOR GROUNDWATER MANAGEMENT PLAN COMPLIANCE
FOR THE
PROPOSITION 1, IMPLEMENTATION
GRANT PROGRAM**

Grant Program: Proposition 1, Implementation
IRWM Region: Coachella Valley
Agency name: Desert Water Agency
Project Title (as shown on application form): Coachella Valley IRWM 2019 IRWM Implementation Grant Proposal

Please check one of the boxes below and sign and date this form.



As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency has prepared and implemented a GWMP in compliance with CWC §10753.7.



As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency participates or consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a).



As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California that the agency conforms to the requirements of an adjudication of water rights in the subject groundwater basin.



As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that my project is located in a low or very low priority groundwater basin (as defined by the Department of Water Resources) and the agency consents to be subjected to a GWMP that will meet the requirements of CWC §10753.7 and be completed within 1-year of the grant application submittal date.

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Ashley Metzger

Name of Authorized Representative
(Please print)



Signature

Outreach & Conservation Manager

Title

10/18/2019

Date

California Department of Water Resources
Integrated Regional Water Management Grant Programs

**CERTIFICATION FOR GROUNDWATER MANAGEMENT PLAN COMPLIANCE
FOR THE
PROPOSITION 1, IMPLEMENTATION
GRANT PROGRAM**

Grant Program: Proposition 1, Implementation
IRWM Region: Coachella Valley
Agency name: California Department of Water Resources
Project Title (as shown on application form): CV Water Counts Regional Conservation Program

Please check one of the boxes below and sign and date this form.

- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency has prepared and implemented a GWMP in compliance with CWC §10753.7.
- ☒ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency participates or consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a).
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California that the agency conforms to the requirements of an adjudication of water rights in the subject groundwater basin.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that my project is located in a low or very low priority groundwater basin (as defined by the Department of Water Resources) and the agency consents to be subjected to a GWMP that will meet the requirements of CWC §10753.7 and be completed within 1-year of the grant application submittal date.

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Trish Rhay
Name of Authorized Representative
(Please print)


Signature

General Manager

Title

10/18/19

Date

California Department of Water Resources
Integrated Regional Water Management Grant Programs

**CERTIFICATION FOR GROUNDWATER MANAGEMENT PLAN COMPLIANCE
FOR THE
PROPOSITION 1, IMPLEMENTATION
GRANT PROGRAM**

Grant Program: Proposition 1, Implementation
IRWM Region: Coachella Valley
Agency name: Mission Springs Water District
Project Title (as shown on application form): Groundwater Quality Protection Program - Sub Area M2-1

Please check one of the boxes below and sign and date this form.

- ☒ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency has prepared and implemented a GWMP in compliance with CWC §10753.7.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that the agency participates or consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a).
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California that the agency conforms to the requirements of an adjudication of water rights in the subject groundwater basin.
- ☐ As the authorized representative for the agency, I certify under penalty of perjury under the laws of the State of California, that my project is located in a low or very low priority groundwater basin (as defined by the Department of Water Resources) and the agency consents to be subjected to a GWMP that will meet the requirements of CWC §10753.7 and be completed within 1-year of the grant application submittal date.

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Arden Wallum

Name of Authorized Representative
(Please print)


Signature

General Manager/Chief Engineer

Title

10.22.19

Date

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**Attachment
1-8**

**Coachella Valley Integrated Regional Water Management
2019 IRWM ImUse acroyms for plementation Grant Proposal
Authorization and Eligibility Requirements – CASGEM Compliance**

CASGEM Compliance

The four groundwater sub-basins that constitute the Coachella Valley Groundwater Basin (Basin 7-21) are the Indio (7-21.01), Mission Creek (7-21.02), Desert Hot Springs (7-21.03), and San Gorgonio (7-21.04) groundwater sub-basins. The Mission Creek, Indio, and San Gorgonio sub-basins are designated as medium-priority basins by DWR, and the Desert Hot Springs sub-basin is designated as a low-priority sub-basin. There are no high-priority basins in the Region. As established in CWC §10933.7(a), those basins prioritized as a high- or medium-priority groundwater basin must have a designated monitoring entity or the organizations within those basins will not be eligible for State funding per the requirements of the California Statewide Groundwater Elevation Monitoring (CASGEM) Program.

The five water supply agencies within the Region (CWA, CVWD, DWA, IWA, and MSWD) have been designated as the water monitoring entities for the aforementioned medium-priority groundwater subbasins. Each agency is responsible for monitoring the portion of the applicable basin(s) within its service area as shown below in **Table 1-4**. The CASGEM reports that support data included in **Table 1-4** are included as **Appendix 1-8**.

Of the five water supply agencies in the Region, five are project proponents within this grant application: CWA, CVWD, DWA, IWA, and MSWD. All five will receive grant funding as part of this Proposal.

Table 1-4: CASGEM Monitoring Summary for the Coachella Valley

Groundwater Basin Name & Number	Basin Portion	Monitoring Entity	Authority Type	No. of CASGEM Wells
Indio 7-21.01	CVWD Boundary	CVWD	Groundwater Management Agency	40
	Palm Spring Sub-Area	DWA	Groundwater Management Agency	7
	City of Coachella Sub-Area, within CWA Boundary	CWA	Local Agency Pursuant to WC Part 2.75	1
	MSWD Boundary	MSWD	Groundwater Management Agency	2
	Indio Portion 1	IWA	Local Agency Pursuant to IRWM	6
Mission Creek 7-21.02	CVWD Boundary	CVWD	Groundwater Management Agency	2
	MSWD Boundary	MSWD	Groundwater Management Agency	2
San Gorgonio Pass 7-21.04	San Gorgonio Pass Basin	San Gorgonio Pass Water Agency (SGPWA)	Groundwater Management Agency	16*

Source: Report Generated on October 13, 2019, from the CASGEM Online System

*Two of these wells are owned by MSWD. SGPWA and MSWD have a coordination agreement that allows SGPWA to collect and submit CASGEM data on behalf of MSWD.



The CASGEM program declared the Status of the San Gorgonio, Mission Creek, and Indio Sub-basins as “Designated” as of August 6, 2015. **Figure 1-1** below shows the respective service areas of CWA, CVWD, DWA, IWA, and MSWD (the project sponsors included in this grant proposal that are eligible monitoring entities), the Coachella Valley groundwater sub-basins, and the designations of each sub-basin. A GIS shape file of the CWA, CVWD, DWA, IWA, and MSWD service areas as well as each project’s boundary have also been included within this submittal.

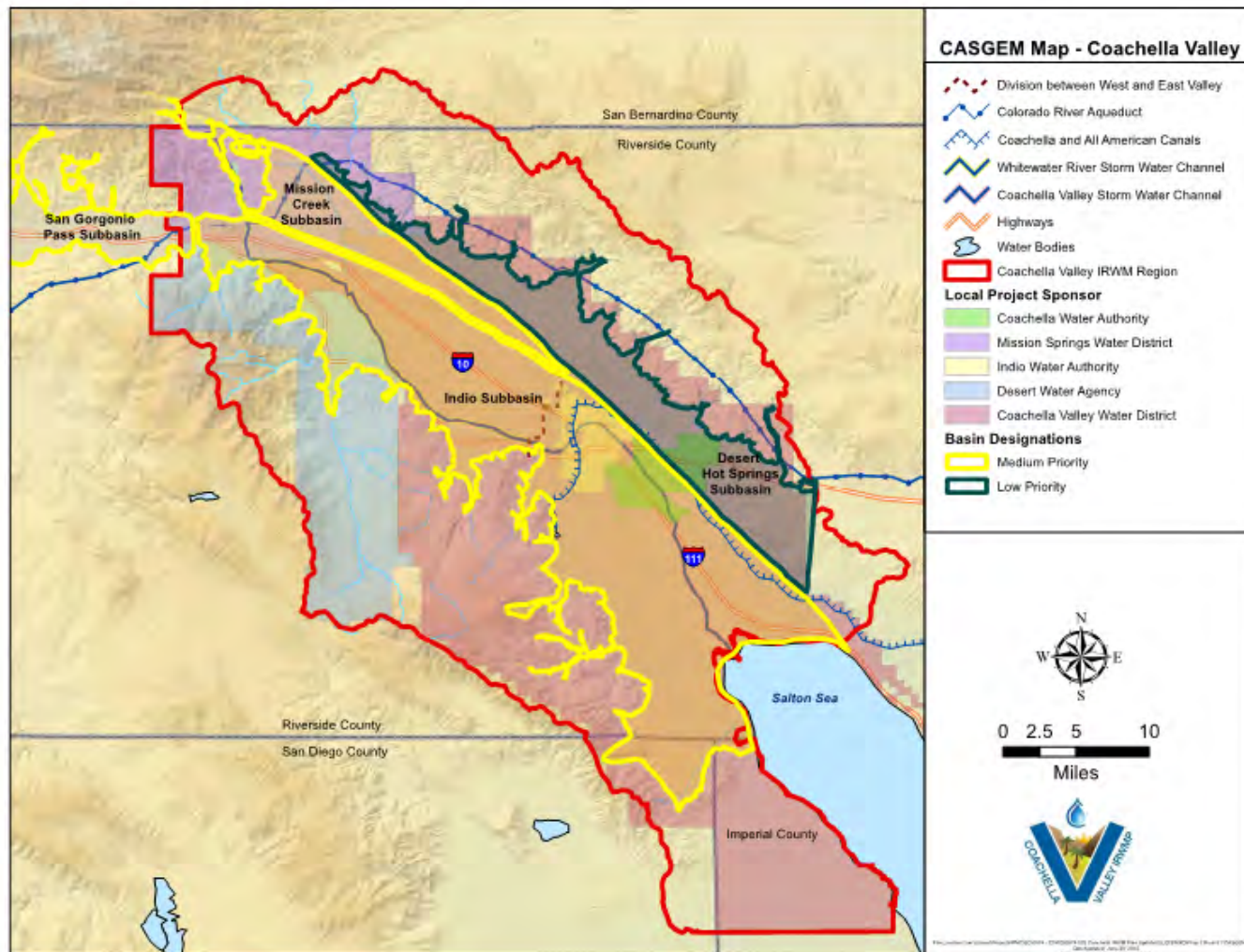
Project-specific compliance information for the projects included within this Proposal are provided in **Table 1-5**.

Table 1-5: CASGEM Monitoring Summary for the Proposal

Project	Implementing Agency	Groundwater Basins that Project Overlies	Basin Priority per CASGEM	Designated Monitoring Entity
Castro MHP Water Consolidation Project	CWA	Indio	Medium	CWA within area covered by project
CV Water Counts Regional Conservation Program	CVWD, CWA, DWA, MSWD, and IWA	San Gorgonio Pass	Medium	San Gorgonio Pass Water Agency
		Indio	Medium	CVWD, CWA, DWA, and IWA within area covered by project
		Mission Creek	Medium	CVWD, DWA, and MSWD within area covered by project
		Desert Hot Springs	Low	N/A
East Coachella Valley Water Supply Project – Avenue 66 Phase 2B	CVWD	Indio	Medium	CVWD within area covered by project
Groundwater Quality Projection Project Sub Area M2-1	MSWD	Indio	Medium	MSWD within area covered by project
		Mission Creek	Medium	MSWD within area covered by project
		Desert Hot Springs	Low	N/A
East Coachella Valley Septic to Sewer Conversions – Monroe Street	CVWD	Indio	Medium	CVWD within area covered by project
Non-Potable Water System – Hovley Lane East	CVWD	Indio	Medium	CVWD within area covered by project
		Mission Creek	Medium	CVWD within area covered by project



Figure 1-1: CASGEM Basins and Project Locations





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Appendix 1-8 CASGEM Groundwater Mgmt Agencies and Wells

Groundwater Management and Monitoring Plans

Monitoring Entity:

Basin: 7-021.01 - Indio, 7-021.02 - Mission Creek, 7-021.03 - Desert Hot Springs, 7-021.04 - San Gorgonio Pass

Authority Type:

Authority Type	Monitoring Entity	Groundwater Basin/Subbasin Name	Groundwater Basin/Subbasin Number	Groundwater Management Plan	Monitoring Plan
Local Agency Pursuant to WC Part 2.75	City of Coachella-Utilities Department	Indio	7-021.01		Click here to download
Local Agency Pursuant to WC Part 2.75	City of Coachella-Utilities Department	Indio	7-021.01		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Indio	7-021.01		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Indio	7-021.01		Click here to download
Ground Water Management Agency	Desert Water Agency	Indio	7-021.01		Click here to download
Local Agency Pursuant to IRWM	Indio Water Authority (IWA)	Indio	7-021.01		Click here to download
Local Agency Pursuant to IRWM	Indio Water Authority (IWA)	Indio	7-021.01		Click here to download
Ground Water Management Agency	Mission Springs Water District	Indio	7-021.01		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Mission Creek	7-021.02		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Mission Creek	7-021.02		Click here to download
Ground Water Management Agency	Mission Springs Water District	Mission Creek	7-021.02		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Desert Hot Springs	7-021.03		Click here to download
Ground Water Management Agency	Coachella Valley Water District	Desert Hot Springs	7-021.03		Click here to download
Local Agency Pursuant to IRWM	Indio Water Authority (IWA)	Desert Hot Springs	7-021.03		Click here to download
Ground Water Management Agency	Mission Springs Water District	Desert Hot Springs	7-021.03		Click here to download
Ground Water Management Agency	San Gorgonio Pass Water Agency	San Gorgonio Pass	7-021.04		Click here to download
Ground Water Management Agency	San Gorgonio Pass Water Agency	San Gorgonio Pass	7-021.04		Click here to download

Number Of Wells

Well Type: CASGEM Wells

Regional Office:

Monitoring Entity:

Basin: 7-021.01 - Indio,7-021.02 - Mission Creek,7-021.03 - Desert Hot Springs,7-021.04 - San Gorgonio Pass

County:

BASIN

7-021.01 Indio	56
7-021.02 Mission Creek	4
7-021.03 Desert Hot Springs	8
7-021.04 San Gorgonio Pass	16

BASIN Total 84



Attachment
1-9

Coachella Valley Integrated Regional Water Management
2019 IRWM Implementation Grant Proposal
Authorization and Eligibility Requirements – Stormwater Management
Plan Compliance

Stormwater Management Plan Compliance

In 2018, the CVRWMG updated its 2014 Coachella Valley IRWM Plan to be consistent with the *2016 IRWM Grant Program Guidelines – Volume 2: IRWM Planning Standards* (DWR 2016) and CWC §10543. The 2018 update integrated the necessary components of the 2016 IRWM Plan standards with the *2015 Proposition 1 Stormwater Grant Program Guidelines* (SWRCB 2015) guidance for Storm Water Resources (SWR) Plans. The resulting *2018 Coachella Valley IRWM/SWR Plan* (CVRWMG 2018) was finalized in December 2018 and formally adopted by CVRWMG agencies' governing bodies. See **Appendix 1-3** for adoption resolutions for each agency in the CVRWMG.

No stormwater projects are included in this application.



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