



Prepared by:

Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

With Assistance From:



STRATEGIC WATER
RESOURCES PLAN
UPDATE
FINAL
ENVIRONMENTAL
IMPACT REPORT
December 2024

SCH#: 2023080290

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ACRONYMS AND ABBREVIATIONS

AFY	Acre-feet per year
AVAQMD	Antelope Valley Air Quality Management District
AWTP	Advanced Water Treatment Plant
CAA	Clean Air Act
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Commission
CFR	Code of Federal Regulations
CNDDDB	California Natural Diversity Database
CRHR	California Register of Historical Resources
CRMP	Cultural Resources Monitoring Plan
DDW	Division of Drinking Water
DEIR	Draft Environmental Impact Report
ESA	Endangered Species Act
GDE	groundwater dependent ecosystem
IW	Industrial Wastewater
LACSD	Los Angeles County Sanitation Districts
LSM	Less than significant with mitigation
LTS	Less than significant
MBMI	Morongo Band of Mission Indians
MGD	million gallons per day
MLD	Most Likely Descendant
MM/COA	Mitigation Measures/Conditions of Approval
MMRP	Mitigation Monitoring and Reporting Program
NAHC	Native American Heritage Commission
NOA	Notice of Availability
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
EIR	Program Environmental Impact Report
PRC	Public Resources Code
PRWA	Palmdale Recycled Water Agency

PWD	Palmdale Water District
RWQCB	Regional Water Quality Control Board
SCAG	Southern California Association of Governments
SOI	United States Secretary of the Interior Standards
SVP	Society of Vertebrate Paleontology
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWRP	Strategic Water Resources Plan
USACE	United States Army Corps of Engineers
USBR	United States Bureau of Reclamation
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
WEAP	Worker Environmental Awareness Program
WMA	Water Management Amendment

CHAPTER 1. INTRODUCTION

1.1 PURPOSE

This Final Environmental Impact Report (Final EIR) document has been prepared in accordance with California Environmental Quality Act (CEQA) as amended (Public Resources Code (PRC) section (§) 21000 et seq.) and the CEQA Guidelines (California Code of Regulations (CCR) §15000 et seq.). Before approving a project, a lead agency must prepare a Final EIR (CCR §15089(a)). According to the CEQA Guidelines (CCR §15132) the Final EIR shall consist of:

- a) *The Draft Environmental Impact Report or a revision of the DEIR;*
- b) *Comments and recommendations received on the DEIR either verbatim or in summary;*
- c) *A list of persons, organizations, and public agencies comments on the DEIR;*
- d) *The responses of the lead agency to significant environmental points raised in the review and consultation process; and*
- e) *Any other information added by the lead agency.*

The Final EIR is the document that decision-makers in the lead and responsible agencies consider before approving or denying a project. Completion and certification of the Final EIR precede the lead agency's determination of whether to approve or carry out the project (CCR §15089(a), §15090(b)), and its adoption of findings (required by PRC §21081 and CCR §15091 and §15093).

As the lead agency for the Strategic Water Resources Plan (SWRP) Update (proposed Project) the Palmdale Water District (PWD or the District) has prepared this Final EIR in accordance with the CEQA Guidelines. This Final EIR provides documentation of the comments received on the DEIR (State Clearinghouse #2023080290), a response to these comments, necessary text revisions to the DEIR, additional information, and the Mitigation Monitoring and Reporting Program (MMRP). The publicly circulated DEIR described the environmental consequences associated with the implementation of the proposed Project and recommends mitigation measures to reduce potentially significant impacts.

1.2 ENVIRONMENTAL REVIEW PROCESS

According to the CEQA Guidelines, lead agencies are required to consult with public agencies having jurisdiction over a proposed project and to provide the agencies and the public with an opportunity to comment on the DEIR. Those processes are described below.

1.2.1 NOTICE OF PREPARATION PROCESS

On August 15, 2023 PWD circulated a Notice of Preparation (NOP) which included a description of the project, location of the project, and probable environmental effects of the project in accordance with CEQA Guidelines section 15082. The NOP was made available in print and electronic form, and PWD accepted comments on the NOP for a 30-day period, closing on

September 14, 2023, and a public scoping meeting was held on September 7, 2023. Comments received on the NOP were considered during the preparation of the Draft EIR and are contained in Appendix A of the Draft EIR.

1.2.2 DRAFT ENVIRONMENTAL IMPACT REPORT PROCESS

The Draft EIR was made available for public review on September 27, 2024 and was distributed to local and State of California (State) responsible and trustee agencies. The CEQA-mandated 45-day review and comment period for the public and agencies ended on November 11, 2024. Pursuant to §15087 of the CEQA Guidelines, a public Notice of Availability (NOA) of the Draft EIR was given. CEQA requires under §15105, notice be mailed to the last known name and address of all organizations and individuals who have previously requested such notice in writing, and also by at least one of the following procedures:

1. Publication at least one time by the public agency in a newspaper of general circulation in the area affected by the Project. If more than one area is affected, the notice shall be published in the newspaper of largest circulation from among the newspapers of general circulation in those areas.
2. Posting of notice by the public agency on and off the site in the area where the Project is to be located.
3. Direct mailing to the owners and occupants of property contiguous to the parcels on which the Project is located. Owners of such property shall be identified as shown on the latest equalized assessment roll.

In accordance with §15087 of the CEQA Guidelines, on September 27, 2024, PWD published the NOA in the Antelope Valley Press newspapers. Copies of the NOA and Draft EIR were available for public review electronically on PWD's website (<https://www.palmdalewater.org/our-customers/projects/capital-projects/strategic-water-resources-plan/>) starting September 27, 2024. The Draft EIR was available as a hard copy during regular business hours at the following locations:

- Palmdale Water District Headquarters, 2029 E Avenue Q, Palmdale CA 93550
- Palmdale City Library, 700 E Palmdale Boulevard, Palmdale CA 93550

PWD provided the following ways for the public to stay informed and provide feedback on the Project beyond the requirements of §15087 of the CEQA Guidelines:

- Maintained a website (<https://www.palmdalewater.org/our-customers/projects/capital-projects/strategic-water-resources-plan/>) with the proposed Project background, information, updates, and documents.

1.2.3 FINAL ENVIRONMENTAL IMPACT REPORT

Consistent with CEQA Guidelines (CCR §15132) the Final EIR includes: (1) necessary revisions to the Draft EIR; (2) comments received on the DEIR; (3) responses of the District to significant environmental points raised in the review process and to comments on environmental issues; and (4) information added by the District to clarify and amplify information contained in the Draft EIR.

The Final EIR includes the comments received regarding the Draft EIR, as well as the PWD's responses to comments and incorporates the Draft EIR by reference. PWD evaluated the comments received on environmental issues and prepared written responses to those comments. For those environmental issues raised in numerous comments, the PWD prepared Master Responses to address the environmental issue. In addition, PWD provided a written response for each CEQA-related comment received during the public review period.

The Final EIR also includes revisions to the Draft EIR and new information added to the Draft EIR after the public review period. These changes and additional information do not require recirculation of the Draft EIR because they do not constitute "significant new information" (CCR §15088.5). The new information does not show any new significant impacts or substantial increases in the severity of the impacts analyzed in the Draft EIR. The changes made to the Draft EIR and the new information added to the Final EIR merely clarify or amplify information contained in the Draft EIR or make insignificant modifications.

1.3 DOCUMENT ORGANIZATION

This Final EIR document consists of the following chapters:

- **Chapter 1: Introduction.** This chapter discusses the purpose and organization of this Final EIR and summarizes the environmental review process for the Project.
- **Chapter 2: Response to Comments.** This chapter contains lists of agencies, tribes, organizations, and individuals who submitted written comments during the public review period; reproductions of all comment letters received on the Draft EIR; and a written response for each CEQA-related comment received during the public review period.
- **Chapter 3: Draft EIR Text Revisions.** This chapter includes revisions to the Draft EIR that are necessary in light of the comments received and responses provided, or necessary to amplify or clarify material in the Draft EIR, are contained in this chapter. Double underline text represents language that has been added to the Draft EIR; text with strikeout has been deleted from the Draft EIR.
- **Chapter 4: Final EIR Document Preparers.** This chapter lists Final EIR document contributors, qualifications, and quality control procedures.
- **Chapter 5: References.** This chapter includes new references used for preparation of the Final EIR.
- **Appendix A: Mitigation Monitoring and Reporting Program**

CHAPTER 2. RESPONSE TO COMMENTS

This chapter of the Final EIR includes a copy of all comment letters that were submitted to the District during the Draft EIR public review period and responses to those comments prepared in accordance with CEQA Guidelines Section 15088.

Table 1.1-1 lists the entities that submitted comments, and each comment letter has been coded with a number to facilitate identification and tracking. Individual comments and the responses to them were assigned corresponding numbers (e.g., 1-1, 1-2, 1-3). To aid readers and commenters, electronically bracketed comment letters have been reproduced in this document, with the corresponding responses provided immediately following each comment letter.

Table 1.1-1 Comments Received on the Draft EIR

Comment Letter Designation	Commenter	Date
1	Los Angeles County Sanitation District*	9/15/2023
2	Los Angeles County Sanitation District	11/06/2024
3	Department of Water Resources	10/04/2024
4	Antelope Valley Air Quality Management District	10/07/2024
5	Yuma Quechan Indian Tribe	10/24/2024
6	California Department of Fish and Wildlife	11/8/2024
7	State Water Resources Control Board	11/12/2024
8	Department of Transportation	11/8/2024
9	City of Lancaster	11/12/2024
10	Morongo Band of Mission Indians	11/11/2024

*Commenter resubmitted comment letter from the NOP.

Comment Letter 1



**LOS ANGELES COUNTY
SANITATION DISTRICTS**
Converting Waste Into Resources

Robert C. Ferrante
Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

September 15, 2023

Ref. DOC 6998694

VIA EMAIL alv@palmdalewater.org

Mr. Adam C. Ly, Assistant General Manager
Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

Dear Mr. Ly:

**Comments on the Notice of Preparation of the Draft Environmental Impact Report
for the 2023 Strategic Water Resources Plan Update**

The Los Angeles County Sanitation Districts (Sanitation Districts) received a Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) for the subject plan update on August 14, 2023. Most of Palmdale Water District's service area is located within the jurisdictional boundaries of County Sanitation District No. 20 (District No. 20). We offer the following comments:

For the Proposed Groundwater Injection Wells and Conveyance Pipelines

1. District No. 20 owns and maintains sewerage facilities within the project area that may be affected by the proposed project. Approval to construct improvements within a Sanitation Districts' sewer easement and/or over or near a Sanitation Districts' sewer is required before construction may begin. To obtain copies of as-built drawings of District No. 20's facilities within the project limits, please contact the Sanitation Districts' Engineering Counter at engineeringcounter@lacsd.org or (562) 908-4288, extension 1205. If any of the proposed improvements for this project will be located over or near a Sanitation Districts' sewer easement, "Buildover" review and approval by the Sanitation Districts will be required. For a copy of the Sanitation Districts' Buildover procedures and requirements, go to www.lacsd.org, under Services, then Wastewater Program and Permits and select Buildover Procedures. For more specific information regarding the buildover procedure, please contact Mr. Ryan Honda at (562) 908-4288, extension 2766. 1-1
2. The Sanitation Districts cannot issue a detailed response to or permit construction of the proposed project until detailed project plans and specification that incorporate District No. 20's facilities are submitted for our review. When project plans that incorporate our facilities have been prepared, please submit copies to the Engineering Counter for our review and comment. 1-2

For the Proposed Pure Water Antelope Valley Advanced Water Treatment Plant

3. The Sanitation Districts, with a mission to protect public health and the environment and, in doing so, convert waste into resources such as recycled water, energy, and recycled materials, is in support of the proposed Advanced Water Treatment Plant (AWTP). The Sanitation Districts has a long history of providing affordable, high-quality recycled water to public and private water suppliers to help meet the water supply needs for more than a hundred thousand people within District No. 20's service area. Wastewater generated by the proposed project will be treated at the Palmdale Water Reclamation Plant, 1-3

DOC 7005777.D2099

A Century of Service

Mr. Adam C. Ly

2

September 15, 2023

which has a capacity to treat 12 million gallons per day (MGD) of wastewater and currently processes an average recycled flow of 8.2 MGD.

4. The proposed AWTP may require an Industrial Wastewater (IW) Discharge permit from the Sanitation Districts in order to discharge brine or any other wastewater into District No. 20's sewerage system. Please contact the Sanitation Districts' IW Section at (562) 908-4288, extension 2900, to determine if an IW Permit is necessary. If this permit is necessary, Palmdale Water District will be required to obtain the IW Permit before beginning project construction. Additional information for which can be found on our website at [Industrial Wastewater Discharge Permits](#). 1-4
5. The proposed AWTP may require a Trunk Sewer Connection Permit from the Sanitation Districts if the proposed brine/wastewater discharge pipeline from the AWTP will connect directly to a District No. 20's trunk sewer. The Sanitation Districts will determine if such a permit is necessary during review of the detailed project plans that Palmdale Water District will prepare and submit to the Sanitation Districts' Engineering Counter for review, as indicated in Comment #1 above. 1-5
6. In order to estimate the volume of wastewater the project will generate, go to www.lacsd.org, under Services, then Wastewater Program and Permits and select Will Serve Program, and then click on the [Table 1. Loadings for Each Class of Land Use](#) link for a copy of the Sanitation Districts' average wastewater generation factors. 1-6

General Comments

7. Please revise all references in the NOP from "Palmdale Water Reclamation Facility" to "Palmdale Water Reclamation Plant". Additionally, at the bottom of page 2, where the first reference is made to this facility, please revise the language as follows "...within the vicinity of the Palmdale Water Reclamation Plant (WRP) (see Figure 3), which is owned and operated by County Sanitation District No. 20." 1-7
8. Please revise all references in Exhibits 2 and 3 from "Palmdale WRF" to "Palmdale WRP". 1-8
9. The Sanitation Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Sanitation Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is used by the Sanitation Districts for its capital facilities. Payment of a connection fee may be required before this project is permitted to discharge to the Sanitation Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the Sanitation Districts will determine the user category (e.g. Condominium, Single Family Home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, please contact the Sanitation Districts' Wastewater Fee Public Counter at (562) 908-4288, extension 2727. If an Industrial Wastewater Discharge Permit is required, connection fee charges will be determined by the Industrial Waste Section. 1-9
1-10
10. In order for the Sanitation Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Sanitation Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CAA. All expansions of Sanitation Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Sanitation Districts' treatment 1-11

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A Century of Service

Mr. Adam C. Ly

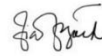
3

September 15, 2023

facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service but is to advise Palmdale Water District that District No. 20 intends to provide this service up to the levels that are legally permitted and to inform the Palmdale Water District of the currently existing capacity and any proposed expansion of District No. 20's facilities.

If you have any questions, please contact Ms. Mandy Huffman at (562) 908-4288, extension 2743, or mandyhuffman@lacsdsd.org.

Very truly yours,



Ziad El Jack
Supervising Engineer
Facilities Planning Department

MNH:mnh

cc: Engineering Counter
R. Honda
P. Palencia
R. Paracuelles

RESPONSE TO COMMENT LETTER 1

Los Angeles County Sanitation Districts, Ziad El Jack, Supervising Engineer

Response to Comment 1-1:

The Draft EIR text in Table 2-7: Regulatory Requirements and Authorizations within Chapter 2 (Project Description) has been revised to reflect that an easement is needed prior to construction for Los Angeles County Sanitation District (LACSD) No. 20 owned and maintained sewerage facilities within the proposed Project area that may be affected by the proposed Project. The LACSD approvals shown in Table 2-7: Regulatory Requirements and Authorizations and Approvals were updated with double underlined text as follows to reflect this required easement.

Agency	Type of Approval	Water Supply Element
Los Angeles County Sanitation District	Industrial Wastewater (IW) Discharge permit; Trunk Sewer Connection permit to discharge brine or other wastewater into sewerage system	Recycled Water – Pure Water Antelope Valley
Los Angeles County Sanitation District	Submittal of detailed project plans and specifications	Groundwater - injection wells and conveyance pipelines Recycled Water – Pure Water Antelope Valley
<u>Los Angeles County Sanitation District</u>	<u>Easement</u>	<u>Recycled Water – Pure Water Antelope Valley</u>

Response to Comment 1-2:

See Table 2-7: Regulatory Requirements and Authorizations and Approvals in Chapter 2 Project Description of the Draft EIR which lists the authorizations and approvals required for the Project. Groundwater Injection Wells and Conveyance Pipelines will incorporate LACSD District No. 20's facilities on plans and specifications submitted to the LACSD No. 20's Engineering Counter for review and comment as stated in the Draft EIR. At this time, plans for the Pure Water Antelope Valley injection wells and pipelines are still conceptual. PWD will develop plans that incorporate LACSD No. 20's facilities and will submit it to the Engineering Counter as the plans are developed.

Response to Comment 1-3:

Comment noted and PWD would like to thank LACSD for their support in this project.

Response to Comment 1-4:

The Draft EIR states that an Industrial Wastewater Discharge Permit is required in Table 2-7: Regulator Requirements and Authorizations and Approvals. PWD would obtain this permit (if there are discharges requiring IWD permit) prior to construction.

Response to Comment 1-5:

The Draft EIR states that a Trunk Sewer Connection Discharge permit is required in Table 2-7: Regulatory Requirements and Authorizations and Approvals. PWD would obtain this permit prior to construction.

Response to Comment 1-6:

As the Pure Water Antelope Valley Advanced Water Treatment Project progresses PWD will work with LACSD to obtain an Industrial Wastewater Discharge Permit and other approvals as stated in Table 2-7: Regulator Requirements and Authorizations and Approvals of Chapter 2 Project Description in the Draft EIR. PWD appreciates the direction for calculating wastewater volumes necessary to complete design and approval of the Pure Water Antelope Valley Advanced Water Treatment project.

Response to Comment 1-7:

All references of "Palmdale Water Reclamation Facility" in the Notice of Preparation were revised to "Palmdale Water Reclamation Plant" throughout the Draft EIR.

Response to Comment 1-8:

Exhibits 2 and 3 from the NOP were revised for the Draft EIR. All references to "Palmdale WRF" were changed to "Palmdale WRP" throughout the Draft EIR.

Response to Comment 1-9:

Comment noted. PWD appreciates the information necessary to complete the connection process. Prior to construction of the proposed Project, PWD will ensure that they are in compliance with all applicable requirements to discharge to LACSD's Sewerage System and pay the connection fee, if applicable.

Response to Comment 1-10:

Comment Noted. PWD appreciates the information. If an Industrial Wastewater Discharge Permit is required, connection fee changes will be determined by the Industrial Waste section. An Industrial Wastewater Discharge Permit was identified as a likely requirement of the proposed Project in the Draft EIR Table 2-7: Regulatory Requirements and Authorizations and Approvals as an anticipated permit for the proposed Project. PWD will be in compliance with all requirements pertaining to the connection fees and will pay fees, as applicable.

Response to Comment 1-11:

The Draft EIR found the proposed Project would not have a direct growth inducement effect as it does not propose development of new housing that would attract additional population to the area (see Section 5.1.6 Growth Inducement Potential). PWD appreciates that LACSD No. 20 will provide service up to levels that are legally permitted and will inform PWD of the current capacity and of any proposed expansion of LACSD No. 20's facilities.

Comment Letter 2



**LOS ANGELES COUNTY
SANITATION DISTRICTS**
Converting Waste Into Resources

Robert C. Ferrante

Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

November 6, 2024

Ref. DOC 7332579

VIA EMAIL srogers@palmdalewater.org

Mr. Scott Rogers, Engineering Manager
Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

Dear Mr. Rogers:

Second Response to 2023 Strategic Water Resources Plan Update

The Los Angeles County Sanitation Districts (Districts) received a Notice of Availability (NOA) of a Draft Environmental Impact Report (DEIR) for the subject project located in the City of Palmdale on September 30, 2024. Previous comments submitted by the Districts in correspondence dated September 15, 2023 (copy enclosed) still apply to the subject project with the following updated information:

1. **Section 2.5.2 Recycled Water, page 2-12:** The Palmdale Water Reclamation Plant (WRP) currently provides tertiary treatment for approximately 10,200 acre-feet per year (AFY) of wastewater generated in and around the City and produces an average of 9,000 AFY of Title 22 recycled water. The City is a recycled water customer through Palmdale Recycled Water Authority (PRWA) for landscape irrigation and construction water. The remaining portion of Palmdale WRP recycled water is beneficially used for agricultural irrigation. 2-1
2. **Section PFSI-3.5 Sanitation District Collaboration and Water Purveyors, page 5-4:** Work with the Sanitation District and Water Purveyors to identify users for recycled water and support plans for its treatment and distribution. 2-2
3. All other information concerning Districts' facilities and sewerage service contained in the document is current. 2-3

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2742, or phorsley@lacsd.org.

Very truly yours,

Patricia Horsley

Patricia Horsley
Environmental Planner
Facilities Planning Department

PLH:plh

Enclosure

DOC 7360414.D2099

RESPONSE TO COMMENT LETTER 2

Los Angeles County Sanitation Districts, Patricia Horsely, Environmental Planner

Response to Comment 2-1:

The text in the Draft EIR on page 2-12 under Section 2.5-2 Recycled Water has been revised to clarify details associated with the Palmdale Water Reclamation Plant, and reads as follows:

The Palmdale Water Reclamation Plant currently provides tertiary treatment for approximately ~~12,000~~ 10,200 acre-feet per year (AFY) of wastewater generated in and around the City and produces an average of ~~10,700~~ 9,000 AFY of Title 22 recycled water. A contract with LACSD entitles PWD to up to 5,325 AFY of recycled water. There is also an agreement with the LACSD for 2,000 AFY of recycled water to provide to customers throughout the City's service area, which has since been transferred to Palmdale Recycled Water Agency (PRWA).

The City is a recycled water customer through PRWA for landscape irrigation and construction water. The remaining portion of Palmdale Water Reclamation Plant recycled water is beneficially used for agricultural irrigation.

Response to Comment 2-2:

The comment is noted, however, Public Facilities, Services, and Infrastructure -3.5 Sanitation District Collaboration and Water Purveyors was directly derived from the 2022 City of Palmdale General Plan, which outlines the City's comprehensive planning framework and policies, as a result this statement cannot be revised.

Response to Comment 2-3:

Comment noted. PWD appreciates the input on the LACSD facilities and sewerage service.

Comment Letter 3

From: Zamanian, Arian@DWR <Arian.Zamanian@water.ca.gov>
Sent: Friday, October 4, 2024 10:40 AM
To: Scott Rogers <srogers@palmdalewater.org>
Cc: Luzuriaga, Patrick@DWR <Patrick.Luzuriaga@water.ca.gov>; Ely, Terri@DWR <Terri.Ely@water.ca.gov>
Subject: Strategic Water Resources Plan Draft EIR

CAUTION: This email originated from outside of PWD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

I was looking over the SWRP EIR that PWD submitted and wanted to offer some insight on the Turnback Pool Program since it's mentioned as a source of PWD's imported SWP supplies... As of February 2021, with execution of the Water Management Amendment (WMA) to most of our SWP Contractors' Water Supply Contracts (includes PWD), the Turnback Pool Program no longer exists. Instead, the WMA gives more flexibility by allowing those SWP contractors to buy/sell their Table A, Carryover, previously banked Table A water, and Article 21 water from/to each other. Prior to the WMA, such sales were not allowed. For accuracy purposes, it would be good to include this flexibility into the EIR as a means of acquiring additionally SWP water.

3-1

Thanks,

Arian Zamanian, P.E.

Senior Engineer, Water Resources
SWP Water Supply Contracts Unit
DWR-O&M
1516 9th Street, 2nd floor
Sacramento, California 95814
Office: 916-902-9888

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RESPONSE TO COMMENT LETTER 3

Department of Water Resources, Arian Zamanian, Senior Engineer

Response to Comment 3-1:

The Draft EIR incorporates language directly from the SWRP regarding the Turnback Pool Program as a source of water. Draft SWRP was prepared and released overlapping the Water Management Agreement of February 2021. As the comment notes, the Water Management Agreement gives more flexibility to State Water Project (SWP) contractors to buy or sell their Table A, Carryover, previously banked Table A water, and Article 21 water from and to SWP contractors. Prior to the Water Management Agreement, such sales were not allowed. This change does not affect the adequacy of the Draft EIR analysis related to State Water Project water as it relates to the Project. However, for accuracy purposes, the Draft EIR text has been revised to incorporate this flexibility and disclose the Water Management Agreement replaces the Turnback Pool Program as a means of acquiring additional SWP water.

Text in the Draft EIR in the Executive Summary on page ES-2 has been revised accordingly to provide this clarification, and reads as follows:

In addition to the Table A amount, PWD supplements Table A water with carryover water, Article 21 water, and ~~turnback pool water~~ Water Management Amendment.

Text in the Draft EIR in Chapter 2 Project Description on page 2-10 has been revised accordingly to provide clarification, and reads as follows:

These include carryover water, "Article 21" water, and ~~turnback pool water~~ Water Management Amendment which are defined as:

- **Carryover water** is Table A water that is allocated to a contractor but not used by the end of the SWP contract year. If space is available, contractors may store up to 5,000 acre-feet (AF) of Table A water in the part of the San Luis Reservoir owned by the SWP for delivery the following year. However, if the San Luis Reservoir must spill that season, the contractor's carryover water will be lost. PWD has stored an average of 2,442 AFY of this water from 2011 and 2021.
- **Article 21 water** is additional water that PWD may receive temporarily, in addition to its approved Table A water. This water is only offered occasionally, usually in wet hydrologic years, when there is more water in the Delta than the SWP contractors are entitled to. Historically, PWD has not received much of its water. Between 2011 and 2021, PWD has received a total of 335 AFY of Article 21 water.
- ~~Turnback pools are a mechanism for contractors with extra Table A water to sell their water back to other contractors. Since 2011, PWD has only brought about 26 AF of water from turnback pools to supplement its water supplies.~~ **Water Management Amendment** allows SWP contractors to buy or sell their Table A,

Carryover water, previously banked Table A water, and Article 21 water with each other.

Comment Letter 4

**Antelope Valley Air Quality Management District**

2551 West Avenue H Lancaster, CA 93536

661-723-8070

www.avaqmd.ca.gov

Barbara Lods, Executive Director

In reply, please refer to AV1024/136

October 7, 2024

Kim Clyma
Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

Project: Notice of Availability Draft Environmental Impact Report for the 2023 Strategic Water Resources Plan Update, State Clearinghouse #2023080290

To Whom It May Concern:

The Antelope Valley Air Quality Management District (District) has received the request to review planning documents for the Notice of Availability Draft Environmental Impact Report for the 2023 Strategic Water Resources Plan Update, State Clearinghouse #2023080290 for the proposed actions that make the most of local water supplies and facilities. The goal of this SWRP Update was to reevaluate PWD's ability to meet the demands of both current and future customers through the year 2050 while aligning with PWD's long-term plan for supplying water to its customers. This project site is located throughout PWD's 47-square-mile service area in the Antelope Valley area of Los Angeles County, California. A portion of the Palmdale Ditch component of the Project extends south of the PWD service area and a portion of the conveyance facilities to the Upper Amargosa Creek Water Recharge Project extended north of the PWD service area in unincorporated Los Angeles County. This project site is located in the Palmdale and Ritter Ridge U.S. Geological Survey (USGS) 7.5-minute quadrangles.

4-1

Prior to initiating any construction activity, the District requires the proposed project to comply with all requirements outlined in District Rule 403, *Fugitive Dust*. A person shall not conduct an Active Operation of Construction, excavation, extraction and other Earth-Moving Activities with a Disturbed Surface Area of five or more acres, or with a daily import or export of 100 cubic yards or more of Bulk Material without utilizing at least one of the measures listed for each of the operation stages specified in subparagraphs following District Rule 403(C)(4)(a). Upon completion of the project, all disturbed surface areas must meet the definition of a stabilized surface, as defined in Rule 403 and verified by District staff.

4-2

4-3

We have reviewed the documentation and based on the information available to us at this time, we have no additional comments on the request for the proposed project.

4-4

Thank you for the opportunity to review this planning document. If you have any questions regarding the information presented in this letter please contact me at (661) 723-8070 ext. 23 or blods@avaqmd.ca.gov.

Sincerely,

Barbara Lods

Barbara Lods

BJL/SS
Sent via Email

RESPONSE TO COMMENT LETTER 4

Antelope Valley Air Quality Management District, Barbara Lods

Response to Comment 4-1:

PWD appreciates the time and consideration in submitting a comment letter.

Response to Comment 4-2:

Please refer to the Draft EIR Section 3.2.3.4 Impacts and Mitigation Measures page 3.2-23, for the specific discussion surrounding the Project complying with all applicable laws and regulations regarding air quality. The Draft EIR describes that the proposed Project would comply with all requirements outlined in District Rule 403. Mitigation Measure AIR-1 complies with District Rule 403(C)(4)(a) as it states that PWD shall ensure construction contractor(s) implement at least one measure to comply with District Rule 403, which includes Dust Control Plan.

Response to Comment 4-3:

Please refer to the Draft EIR Section 3.2.3.4 Impacts and Mitigation Measures page 3.2-23, which describes how the proposed Project would comply with Antelope Valley Air Quality Management District (AVAQMD) Rule 403 requirements, which includes meeting the definition of a stabilized surface.

Response to Comment 4-4:

Comment noted. PWD appreciates the AVAQMD's time and consideration of the Draft EIR.

Comment Letter 5

From: Jill McCormick <historicpreservation@quechantribe.com>
Sent: Thursday, October 24, 2024 11:26 AM
To: Scott Rogers <srogers@palmdalewater.org>
Subject: 2023 Strategic Water Resources Plan Update - Palmdale Water District

CAUTION: This email originated from outside of PWD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

This email is to inform you that we do not wish to comment on this project. The Ft. Yuma Quechan Tribe Historic Preservation Office defers to the more local Tribes on this matter.

5-1

*Thank you,
Jill McCormick, M.A.*

Historic Preservation Office
Ft. Yuma Quechan Indian Tribe
P.O. Box 1899
Yuma, AZ 85366-1899
Office: 760-919-3631
Cell: 928-920-6521



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RESPONSE TO COMMENT LETTER 5

Yuma Quechan Indian Tribe, Jill McCormick, Historic Preservation Officer

Response to Comment 5-1:

PWD appreciates the Yuma Quechan Indian Tribe's time and consideration and will coordinate with more local tribes requesting to be consulted on the Project.

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State of California – Natural Resources Agency
 DEPARTMENT OF FISH AND WILDLIFE
 South Coast Region
 3883 Ruffin Road
 San Diego, CA 92123
 (858) 467-4201
wildlife.ca.gov

GAVIN NEWSOM, Governor
 CHARLTON H. BONHAM, Director



Comment Letter 6

November 8, 2024

Scott Rogers
 Palmdale Water District
 2029 East Avenue Q
 Palmdale, CA 93550
srogers@palmdalewater.org

SUBJECT: PROGRAMMATIC ENVIRONMENTAL IMPACT REPORT FOR THE 2023 STRATEGIC WATER RESOURCES PLAN, SCH NO. 2023080290, LOS ANGELES COUNTY, CA

Dear Scott Rogers:

The California Department of Fish and Wildlife (CDFW) reviewed the Programmatic Environmental Impact Report (PEIR) from the Palmdale Water District (PWD; Lead Agency) for the 2023 Strategic Water Resources Plan (Project) pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines¹.

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, CDFW appreciates the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW ROLE

CDFW is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the State (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (Fish & G. Code, § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

¹ CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

Conserving California's Wildlife Since 1870

6-1

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CDFW may also act as a Responsible Agency under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 et seq.). Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law² of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.) or the Native Plant Protection Act (NPPA; Fish & G. Code, § 1900 et seq.), the Project proponent may seek related take authorization as provided by the Fish and Game Code.

6-1 cont.

PROJECT DESCRIPTION SUMMARY

Proponent: PWD

Objective: The Project is a programmatic Plan for developing and utilizing a mix of water supply sources and facilities to meet PWD's water supply demand through 2050. The Plan also describes PWD's ongoing monitoring and reporting of conservation efforts to meet City and State policies and ordinances. Described are several water supply sources and facilities, some of which are analyzed in other CEQA documents. In addition to ongoing Projects that are associated with separate CEQA actions, this Project proposes and analyzes the following new actions:

Pure Water Project

Under the proposed Project, PWD would maximize beneficial use of recycled water through construction and implementation of an Advanced Water Purification Facility (facility) on a vacant property near the Palmdale Water Reclamation Plant. The facility is referred to as the Pure Water Antelope Valley Project, and operations would consist of directly injecting purified water into the saturated zone of an aquifer. Moreover, PWD would store recycled water after purification into the Antelope Valley Groundwater Basin. Up to five new recycled water injection wells would be required if more recycled water is received. The locations of the purified recycled water injection wells are anticipated to be within the Pure Water Antelope Valley property. New recycled water conveyance pipelines would be constructed between the Palmdale Water Reclamation Plant and the new facility, and between the new injection wells and the new facility. The facility and associated infrastructure is conceptual in capacity and no CEQA analysis was provided in this PEIR.

6-2

Well Replacement and Rehabilitation

Under the proposed Project, PWD would rehabilitate or replace up to 22 PWD groundwater wells to maintain the existing pumping capacity and enable greater pumping during dry years. Five existing wells have been pre-selected to be replaced in the near future. Wells selected for rehabilitation would remain in their existing location

² "Take" is defined in Section 86 of the Fish and Game Code as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill."

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while replacement wells may be located in areas with higher rates of groundwater production or near existing wells. Moreover, PWD would purchase 1,000 acre-feet per year (AFY) of groundwater production rights from other pumpers in the Antelope Valley Groundwater Basin. A total of seven new wells would be constructed to extract the purchased groundwater rights and water that would connect to an existing distribution system. New conveyance pipelines would also need to be installed to implement extraction activities.

Palmdale Ditch Conversion Project

Additionally, the Project proposes the Palmdale Ditch Conversion Project. The Palmdale Ditch (Ditch) is an 8.5-mile-long conveyance system that transports water from Littlerock Reservoir to Lake Palmdale. Approximately 1.3 miles of the Ditch was previously converted to an underground pipeline. This proposed Project would enclose the remaining 7.2-mile-long Ditch by constructing a pipeline within and near the existing Ditch.

Project Alternatives: The PEIR provides three Project Alternatives: No Project Alternative (Alternative 1), Reduced Project Alternative (Alternative 2), and Alternative Location to the Palmdale Ditch Conversion Project (Alternative 3). Under Alternative 1, PWD would not implement the proposed Project and no impacts would occur. Under Alternative 2, the proposed Project would not include a purchase of 2,000 AFY groundwater production rights and does not include improvements to the Ditch. The Ditch would maintain its existing condition and would not be converted to an underground pipeline. The new turnout to the California Aqueduct would also not be constructed. The remainder of the proposed Project such as maximizing imported water supplies, recycled water injection, rehabilitation and replacement of wells, construction of new groundwater wells, and on-going Projects would be implemented. Under Alternative 3, an alternate location of the Ditch is considered. Under this alternative, the Ditch would continue to be a buried pipeline, however, 6.5 miles of buried pipeline would be installed within Cheseboro Road and Barrel Springs Road. Moreover, the majority of the current Ditch would be abandoned, and water would be conveyed via gravity flow with siphons in the pipeline. The new turnout at the California Aqueduct may still be installed. Similar to Alternative 2, the remaining actions and on-going Projects proposed in the Project would be implemented.

6-2 cont.

Location: The Project area is located throughout PWD's 47-square mile service area in the City of Palmdale (City) and its surrounding sphere of influence within Los Angeles County. The proposed Project includes some facilities that are located outside of PWD's service area. For the Palmdale Ditch Improvement Project, a portion of the Ditch extends south of the PWD service area and into the Angeles National Forest.

Timeframe: The proposed implementation schedule for these individual Projects within the Plan are scheduled to be implemented between 2025 to 2035. PWD would continue to recharge imported water at the Upper Amargosa Creek Recharge Project and continue to remove sediment at Littlerock Reservoir. It is assumed that the Palmdale

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Ditch Conversion Project and Pure Water Antelope Valley Project are high-priority individual Projects that would be initiated near 2025. Additionally, recycled water injection wells and new groundwater wells would be constructed prior to 2035. Groundwater rights purchases would not be required until the end of the planning period between 2045 to 2050.

Biological Setting: The PWD service area is almost entirely within the City but also consists of land within unincorporated Los Angeles County. The Project area is located within the Antelope Valley, which encompasses a variety of vegetation communities and landscapes. Analysis of the biological resources and sensitive species for the proposed Project was conducted through review of the 2018 PWD Water System Master Plan PEIR and a review of databases. For the Palmdale Ditch Conversion Project, Rincon Consultants Inc. conducted a biological resource assessment (BRA), delineation of water features, a western Joshua tree (*Yucca brevifolia*; CESA candidate species) census, and focused surveys for Crotch's bumble bee (*Bombus crotchii*; CESA candidate species).

Within the Project area, there are active and remnant agricultural fields as well as various desert vegetation communities. Vegetation communities within the Project area include, but is not limited to, Joshua tree woodland, semi-desert chaparral, California juniper (*Juniperus californica*) woodland, shrubland, and grassland. Open water in the Project area consist of Lake Palmdale, Una Lake, Littlerock Wash, the California Aqueduct, and Anaverde Creek.

6-2 cont.

Given the diverse desert habitats within the Project area, there is suitable habitat for the following species: Mohave ground squirrel (*Xerospermophilus mohavensis*; CESA-listed threatened), southwestern pond turtle (*Actinemys pallida*; federal candidate for listing, SSC), desert tortoise (*Gopherus agassizii*; CESA-listed endangered, ESA-listed threatened), two-striped gartersnake (*Thamnophis hammondi*; SSC), northern California legless lizard (*Anniella pulchra*; SSC), California legless lizard (*Anniella* spp.; SSC), California glossy snake (*Arizona elegans occidentalis*; SSC), coast horned lizard (*Phrynosoma blainvillii*; SSC), tricolored blackbird (*Agelaius tricolor*; CESA-listed threatened), burrowing owl (*Athene cunicularia*; CESA candidate species), loggerhead shrike (*Lanius ludovicianus*; SSC), Le Conte's thrasher (*Toxostoma lecontei*), least Bell's vireo (*Vireo bellii pusillus*; CESA and ESA-listed endangered), bald eagle (*Haliaeetus leucocephalus*), golden eagle (*Aquila chrysaetos*; Fully Protected Species), Swainson's hawk (*Buteo swainsoni*; CESA-listed threatened), southwestern willow flycatcher (*Empidonax traillii eximius*; CESA and ESA-listed endangered), San Diego desert woodrat (*Neotoma lepida intermedia*; SSC), pallid bat (*Antrozous pallidus*; SSC), and Townsend's big-eared bat (*Corynorhinus townsendii*; SSC). While there is no designated critical habitat in the Project area, the nearest critical habitat is for arroyo toad (*Anaxyrus californicus*; Endangered Species Act (ESA)-listed endangered, SSC), located one mile south of the Ditch. Deer (*Cervidae* sp.), bears (*Ursidae* sp.), bobcats (*Lynx rufus* sp.), desert big horn sheep (*Ovis canadensis neisoni*; Fully Protected

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Species), and mountain lion (*Puma concolor*, CESA candidate species) may also be observed utilizing the ditch.

PWD has incorporated 21 mitigation measures in the PEIR specific to biological resources and special-status species. The mitigation measures cover a variety of topics, which include, but is not limited to best management practices, preconstruction surveys, qualified biological monitor, and species-specific measures. The species-specific measures focus on avoidance actions (i.e., avoidance buffers), plans, and compensatory mitigation of a 1:1 ratio if avoidance is unachievable.

Project History: As part of the CEQA process, PWD published a Notice of Preparation (NOP) for the Project on August 15, 2023. During the CEQA public review period, CDFW provided a comment letter to PWD (September 2023). Since July 2024, CDFW has worked with PWD and the biological consultant, Rincon Consultants Inc., to discuss biological resources related to the Palmdale Ditch Conversion Project. Engagement with PWD and their consultant have been centered around Crotch's bumble bee focused surveys and western Joshua tree permitting obligations.

6-2 cont.

COMMENTS AND RECOMMENDATIONS

While CDFW appreciates the PWD's efforts to incorporate CDFW's NOP comments, we have additional comments and recommendations below to assist PWD in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. Additional comments or other suggestions may also be included to improve the document.

COMMENT # 1: Palmdale Ditch Conversion Project

Issue: The biological analysis provided in the PEIR for the Palmdale Ditch Conversion Project may not sufficiently evaluate impacts on wildlife species.

Specific impact: The Palmdale Ditch Conversion Project involves permanently removing a critical water source for wildlife from Littlerock Reservoir to Lake Palmdale (approximately 8.5 miles). Construction activities related to converting the 7.2-mile Ditch to a pipeline may result in permanent and temporary loss of suitable habitat, direct mortality of rare plants and wildlife, loss of a water source for wildlife, and increase both noise and disturbance.

6-3

Why impact would occur: The PEIR stated that there has been a decrease in water deliveries from 1995 to 2024 and claimed that, "...wildlife likely rely on other readily available sources of water within and adjacent to the BSA, such as Littlerock Wash, and other water features overlying the San Andreas Fault (i.e., sag ponds), Lake Palmdale, Lake Una..." (page 3.3-35). While water deliveries are not as frequent, the Ditch is an intermittent stream that also receives water during flooding events and wash-outs. Additionally, some water features such as Lake Palmdale are in close proximity to urbanized areas of the City that see a high level of human activity. Because of this

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higher level of human activity, wildlife may preferentially select the Ditch as a water source over the other available sources. Given its proximity to suitable habitat and the Angeles National Forest, it is highly probable that medium to large sized mammals may utilize the Ditch as a water resource. Medium and large bodied mammals that may use the Ditch for water include, but are not limited to, big horn sheep, mule deer, mountain lions (of the San Gabriel Population that represent an evolutionarily significant unit), bobcats, and other meso-carnivores. In support of this hypothesis, CDFW has anecdotal evidence of desert big horn sheep drinking from the upper reaches of the Littlerock reservoir (personal communication). A wildlife camera study should be conducted to provide technical data on which wildlife species use the ditch and how often they visit. Without camera data to substantiate claims of wildlife usage, CDFW remains concerned that enclosing the entire Ditch will result in the permanent loss of a water source and have significant impacts on wildlife.

Not only do ditches like the Palmdale Ditch represent a water resource to wildlife species, but ditches are often used as movement corridors for wildlife (CDFW observation). The BRA states that, "The Ditch occurs along a transition between mountain and desert ecosystems within a largely undeveloped area lacking physical barriers to connectivity or artificial lighting that creates the potential for wildlife movement across the BSA" (page 52). Conducting a camera survey would also provide data on wildlife movement and alternative uses of the Ditch by local wildlife species.

6-3 cont.

Evidence impact would be significant:

Several wildlife species are protected under CESA and meet the CEQA definition of rare, threatened, or endangered species (CEQA Guidelines, § 15380). Moreover, the Project may impact Fully Protected Species such as bighorn sheep, which are known to occur in Antelope Valley. Fully Protected Species may not be taken or possessed except with authorization from CDFW and only under specific circumstances (Fish and Game Code § 4700). Impacts on the special-status wildlife may require a mandatory finding of significance because the Project would potentially threaten to eliminate a plant or animal community and/or substantially reduce the number or restrict the range of an endangered, rare, or threatened species (CEQA Guidelines, §15065). Habitat that supports wildlife movement and serve as wildlife migratory corridors are essential to the survival of many California species (Fish and Game Code §1955 (d)). With the increasing loss of suitable habitat and water sources on a local and regional scale, impacts to these biological resources would be considered significant impacts as a result of the Project.

Recommended Potentially Feasible Mitigation Measure(s)

Recommendation #1: Wildlife Camera Study - CDFW recommends PWD conduct a camera survey by deploying motion-activated trail cameras intermittently along the drainage, using animal tracks, scat, trails, and other wildlife signs to set the cameras in areas where wildlife are likely to occur. Cameras should be placed by a biologist familiar

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with the local wildlife species and who has experience deploying, monitoring, and analyzing data from trail camera surveys. Cameras should be deployed for a minimum of one year to accurately capture the activity of local wildlife species.

6-3 cont.

Recommendation #2: Wildlife Movement - Following the results of the wildlife camera study, CDFW recommends that PWD reassess the Project's impact on the Ditch serving as a local wildlife corridor and wildlife movement.

ADDITIONAL COMMENTS

Reduced Project Alternative. CDFW supports the Reduced Project Alternative, which would leave the Ditch in its current condition and eliminate the purchase of groundwater rights. If PWD proceeds with enclosing the pipeline, wildlife species would be impacted, directly (e.g., mortality, injury) and indirectly (e.g., habitat loss). During the construction phase of the Ditch, approximately 450 western Joshua trees would be removed, and work would occur within 50 feet of up to 1,200 western Joshua trees. Additionally, up to approximately 80 acres of suitable floral resources for Crotch's bumble bee would be impacted (page 3.3-63). Furthermore, the PEIR states, "[T]he Reduced Project Alternative would not include the conversion of the Palmdale Ditch; thus it would have fewer construction-related impacts to biological, cultural and tribal resources, paleontological, wildfire, aesthetics, and transportation to the construction phase, and reduced impacts to air quality, energy, GHG emissions, and transportation during operations" (page 4-9). While PWD believes that the Reduced Project Alternative does not completely fulfil the objectives of the SWRP, PWD can achieve the majority of its objectives with this alternative and could re-evaluate additional ways to optimize its other water supply sources. CDFW strongly recommends that PWD adopt the Reduced Project Alternative as the proposed Project. If PWD chooses to pursue the Palmdale Ditch Conversion Project, we believe that separate and distinct CEQA analysis would be appropriate.

6-4

CEQA Document Tiering. The PEIR discusses Project-specific construction activities and biological impacts related to the Pure Water Antelope Valley Project, Palmdale Ditch Conversion Project, and rehabilitation and/or replacement of existing wells. For the Pure Water Antelope Valley Project and rehabilitation and/or replacement of existing wells, no site-specific biological assessment was conducted for either of these individual Projects. The impact analysis in the Biological Resources section of the PEIR is speculative and not based on biological surveys conducted at the individual Project sites by qualified biologists. CDFW recommends that, for individual Projects nested under the proposed Project, findings of significance should be set aside when certifying the PEIR until those aspects can be fully studied in a subsequent or supplemental CEQA document (see CEQA Guidelines §§ 15162 and 15163). The PEIR should explicitly discuss what further CEQA actions are anticipated for these Projects, whether further analysis will be provided, and whether it will be available for public review. In addition to this recommendation, CDFW would appreciate the opportunity to review and comment on CEQA addendums associated with this PEIR.

6-5

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Project Components. Table ES-2: Summary of Impacts outlines the mitigation measures that are anticipated to be adopted once the PEIR is certified. For mitigation measures pertaining to biological resources, each measure states whether the mitigation measure applies to the Palmdale Ditch Conversion, other Project components, or both. Given that the EIR is a programmatic planning document, mitigation measures should not have separate requirements for distinct Project components such as the Palmdale Ditch Conversion Project. CDFW recommends that all mitigation measures be applied to all components of the proposed Project as a whole. Mitigated measures specific to the Palmdale Ditch Conversion Project should be incorporated into a tiered Project-specific CEQA document. Conversely, CDFW recommends that the Palmdale Ditch Conversion Project be analyzed as its own project separate from this CEQA action.

6-6

Mitigation Measures. Mitigation measures pertaining to special-status species, in summary, state that avoidance will be prioritized and that if impacts cannot be avoided, then a compensatory mitigation ratio of 1:1 will be used. While CDFW acknowledges that avoidance is generally preferred over take of listed or otherwise sensitive species, we believe that the scope and breadth of the Project and associated individual Projects makes full avoidance of these species extraordinarily challenging and/or unlikely. Furthermore, CDFW does not concur that a 1:1 compensatory mitigation ratio will necessarily satisfy CESA's Fully Mitigated Standard. Any Incidental Take Permit (ITP) issued may require a higher ratio in order to meet this standard. Ratios associated with take of riparian habitat through a Streambed Alteration Agreement may also be higher than 1:1. Therefore, if special-status species are observed on site, CDFW requests that we be contacted as soon as possible to scope appropriate compensatory mitigation and outstanding permitting requirements. We recommend that mitigation measures BIO-2, 3, 4, 5, 6, 8, 9, 10, 11, 19, and 20 be amended to say that appropriate mitigation ratios for compensatory mitigation may be increased higher than a 1:1 ratio following consideration of all Project impacts and coordination with CDFW. CDFW is available to review and provide feedback on any mitigation measure language prior to the publication of the final PEIR and welcome collaboration with the PWD at this phase of the document development.

6-7

In addition to references to compensatory mitigation, CDFW also recommends the mitigation measures for arroyo toad, desert tortoise, tricolored blackbird, and least Bell's vireo be separate and distinct measures by species rather than consolidated into one measure. Impacts towards these species cannot be addressed uniformly, and each measure should describe what is needed in order to appropriately mitigate for each species. Mitigation should include avoidance as well as compensatory mitigation provisions and permitting obligations.

6-8

Mitigation Measure BIO-17. CDFW recommends that PWD revise Mitigation Measure BIO-17 to incorporate language underlined and omit language in strikethrough:

6-9

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This mitigation measure is applicable to individual Projects in ~~the Palmdale Ditch Conversion project and other Project components~~ for which suitable habitat for nesting birds is identified during the habitat assessment conducted pursuant to **Mitigation Measure BIO-1**. Project component construction activities shall occur outside of the bird breeding season (February 1 to August 31) ~~to the extent practicable~~. If construction must commence within the bird breeding season, PWD shall retain a qualified biologist to conduct a pre-construction nesting bird survey within a 500-foot radius of the project site ~~the disturbance footprint plus a 100-foot buffer (300 feet for raptors), where feasible~~, no more than seven days prior to initiation of ground disturbance (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation) ~~in each work area~~. If the Project component is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if initiated during the bird breeding season.

Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A brief report of the nesting bird survey results, if applicable, shall be submitted to PWD for review and approval prior to ground disturbance and/or vegetation removal activities.

6-9 cont.

If no nesting birds are observed during pre-construction surveys, no further action is required. If nests are found, an appropriate avoidance buffer ~~of up to 300 feet ranging in size from 25 to 50 feet for passerine (perching birds) nests and up to 500 feet up to 300 feet for active, non-listed raptor nests (depending on the species and the proposed work activity)~~ shall be determined by the qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. No construction activity shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. ~~If Project component activities must occur within the buffer, they shall only be conducted at the discretion of the qualified biologist.~~

Hydrology Report. The BRA identified 20 unnamed drainages along the Ditch area. During heavy rain events these drainages may enter and flow through the open Ditch. Once the Ditch is completely underground, the hydrological flow will be altered. The PEIR does not discuss hydrology, nor does it provide any technical study to demonstrate the hydrology pattern of surrounding drainage systems upon buildout of the pipeline. CDFW recommends the PWD provide a provide a hydrological study and basis of design report that includes information on how water and sediment is conveyed throughout the entirety of the ditch project, including water surface profiles in a 2-, 5-, 10-, 25-, 50-, 100-, and 200-year storm event. This report should provide information about how the enclosing the ditch will affect local drainages and will depict the anticipated post Project hydrology.

6-10

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Fully Protected Species. The PEIR notes that there is a moderate potential for the golden eagle to occur within the Project area (page 3.3-29). Additionally, CDFW is aware of desert big horn sheep within the Project area and Antelope Valley. Fully Protected Species may not be taken or possessed at any time according to the Fish and Game Code § 3511. CDFW cannot authorize take for the golden eagle or desert big horn sheep and PWD must completely avoid impacts to these species during individual project's construction and operational activities.

6-11

Mitigation Measure BIO-3. CDFW appreciates the incorporation of Mitigation Measure BIO-3: Joshua Tree Census Survey, Avoidance, Minimization, and Compensation Measures in the PEIR. We recommend that the mitigation measure removes the in-lieu fee prices given that rates associated with the Western Joshua Tree Conservation Act may change prior to an invoice payment.

6-12

CESA. Several CESA protected species (e.g., western Joshua tree, burrowing owl, desert tortoise, Crotch's bumble bee) are either present within the Project area or have the potential of being present during individual project activities. As to CESA, take of any endangered, threatened, candidate species, or CESA-listed plant species that results from the Project is prohibited, except as authorized by state law (Fish & G. Code §§ 2080, 2085; Cal. Code Regs., tit. 14, §786.9). While CDFW appreciates the avoidance and minimization measures PWD has incorporated into the PEIR to avoid take of special status species, incidental take may still occur. Consequently, if the Project or any Project-related activity will result in take of a species designated as endangered or threatened, or a candidate for listing under CESA, CDFW recommends that PWD seek appropriate take authorization under CESA prior to implementing the Project. Appropriate authorization from CDFW may include an ITP or a consistency determination in certain circumstances, among other options [Fish & G. Code, §§ 2080.1, 2081, subds. (b) and (c)].

6-13

Early consultation is encouraged, as significant modification to a project and mitigation measures may be required to obtain a CESA Permit. Revisions to the Fish and Game Code, effective January 1998, may require that CDFW issue a separate CEQA document for the issuance of an ITP unless the Project CEQA document addresses all Project impacts to CESA-listed species and specifies a mitigation monitoring and reporting program that will meet the requirements of an ITP. For these reasons, biological mitigation monitoring and reporting proposals should be of sufficient detail and resolution to satisfy the requirements for a CESA ITP.

ESA Consultation. Several project components of the proposed Project may result in take of special-status species protected under ESA. Take under the ESA includes significant habitat modification or degradation that could result in death or injury to a listed species by interfering with essential behavioral patterns such as breeding, foraging, or nesting. CDFW recommends consultation with the USFWS, in order to

6-14

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comply with ESA, prior to Project construction and operational activities that may adversely impact ESA-listed or candidate species.

6-14 cont.

Mitigation and Monitoring Reporting Plan. CDFW recommends the Project's environmental document include the mitigation measures recommended in this letter. CDFW has provided comments via a mitigation monitoring and reporting plan to assist in the development of feasible, specific, detailed (i.e., responsible party, timing, specific actions, location), and fully enforceable mitigation measures (CEQA Guidelines, § 15097; Pub. Resources Code, § 21081.6). The Lead Agency is welcome to coordinate with CDFW to further review and refine the Project's mitigation measures. Per Public Resources Code section 21081.6(a)(1), CDFW has provided a summary of our suggested mitigation measures and recommendations in the form of an attached Draft Mitigation Monitoring and Reporting Plan (Attachment A).

6-15

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDB). The [CNDDB website](https://wildlife.ca.gov/Data/CNDDB)³ provides direction regarding the types of information that should be reported and allows on-line submittal of field survey forms (CDFW 2024a).

6-16

In addition, information on special status native plant populations and sensitive natural communities, should be submitted to CDFW's Vegetation Classification and Mapping Program using the [Combined Rapid Assessment and Relevé Form](https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities/Submit)⁴ (CDFW 2024b).

PWD should ensure data collected for the preparation of the PEIR is properly submitted.

FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.)

6-17

³ <https://wildlife.ca.gov/Data/CNDDB> <https://wildlife.ca.gov/Data/CNDDB>

⁴ <https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities/Submit>

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CONCLUSION

CDFW appreciates the opportunity to comment on the PEIR to assist PWD in identifying and mitigating Project impacts on biological resources. CDFW requests an opportunity to review and comment on any response that PWD has to our comments and to receive notification of any forthcoming hearing date(s) for the Project (CEQA Guidelines, § 15073(e)).

6-18

Questions regarding this letter or further coordination should be directed to Julisa Portugal⁵, Environmental Scientist.

Sincerely,

DocuSigned by:

5891E19EF0094C3...

Victoria Tang
Environmental Program Manager
South Coast Region

ATTACHMENTS

Attachment A: Draft Mitigation, Monitoring, and Reporting Program

ec: California Department of Fish and Wildlife
Victoria Tang, Environmental Program Manager
Jennifer Turner, CEQA Senior Environmental Scientist (Supervisory)
Steve Gibson, CESA Senior Environmental Scientist (Supervisory)
Frederic Rieman, LSA Senior Environmental Scientist (Supervisory)
Julisa Portugal, Environmental Scientist
Cooper Wall, Environmental Scientist
Andrew Aitken, Environmental Scientist

Office of Planning and Research
State.Clearinghouse@opr.ca.gov

⁵ Phone: 562-330-7563; Email: Julisa.Portugal@wildlife.ca.gov

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REFERENCES

- California Department of Fish and Wildlife. September 2023. Comments on the Notice of Preparation of a Programmatic Environmental Impact Report for the 2023 Strategic Water Resources Plan Update, Palmdale Water District, Los Angeles County, California (SCH No. 2023080290)
- [CDFW] California Department of Fish and Wildlife. 2024a. California Natural Diversity Database. Available at: <https://wildlife.ca.gov/Data/CNDDB>
- [CDFW] California Department of Fish and Wildlife. 2024b. Combined Rapid Assessment and Revele Form. Available at: <https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities/Submit>
- [CNPS] California Native Plant Society. 2024. California Rare Plant Ranks. Available at: <https://www.cnps.org/rare-plants/california-rare-plant-ranks>

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ATTACHMENT A: DRAFT MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)

CDFW provides the following language to be incorporated into the MMRP for the Project.

Mitigation Measure	Timing	Responsible Party
<p>Mitigation Measure #1: Mitigation Measure BIO-17 - This mitigation measure is applicable to individual Projects in which suitable habitat for nesting birds is identified during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. Project component construction activities shall occur outside of the bird breeding season (February 1 to August 31). If construction must commence within the bird breeding season, PWD shall retain a qualified biologist to conduct a pre-construction nesting bird survey within a 500-foot radius of the project site, no more than seven days prior to initiation of ground disturbance (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). If the Project component is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if initiated during the bird breeding season.</p> <p>Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A brief report of the nesting bird survey results, if applicable, shall be submitted to PWD for review and approval prior to ground disturbance and/or vegetation removal activities.</p> <p>If no nesting birds are observed during pre-construction surveys, no further action is required. If nests are found, an appropriate avoidance buffer of up to 300 feet for passerine (perching birds) nests and up to 500 feet for active, non-listed raptor nests</p>	Prior to and during Project activities	Qualified Biologist

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Mitigation Measure	Timing	Responsible Party
shall be determined by the qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. No construction activity shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged.		
Recommendation #1: Wildlife Camera Study - CDFW recommends PWD conduct a camera survey by deploying motion-activated trail cameras intermittently along the drainage, using animal tracks, scat, trails, and other wildlife signs to set the cameras in areas where wildlife are likely to occur. Cameras should be placed by a biologist familiar with the local wildlife species and who has experience deploying, monitoring, and analyzing data from trail camera surveys. Cameras should be deployed for a minimum of one year to accurately capture the activity of local wildlife species.	Prior to adoption of PEIR	Lead Agency
Recommendation #2: Wildlife Movement - Following the results of the wildlife camera study, CDFW recommends that PWD reassess the Project's impact on the Ditch serving as a local wildlife corridor and wildlife movement.	Prior to adoption of PEIR	Lead Agency
Recommendation #3: Reduced Project Alternative - CDFW strongly recommends that PWD adopt the Reduced Project Alternative as the proposed Project. If PWD chooses to pursue the Palmdale Ditch Conversion Project, we believe that separate and distinct CEQA analysis would be appropriate.	Prior to adoption of PEIR	Lead Agency

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Mitigation Measure	Timing	Responsible Party
Recommendation #4: CEQA Document Tiering - CDFW recommends that, for individual Projects nested under the proposed Project, findings of significance should be set aside when certifying the PEIR until those aspects can be fully studied in a subsequent or supplemental CEQA document (see CEQA Guidelines §§ 15162 and 15163). The PEIR should explicitly discuss what further CEQA actions are anticipated for these Projects, whether further analysis will be provided, and whether it will be available for public review.	Prior to adoption of PEIR	Lead Agency
Recommendation #5: Project Components - CDFW recommends that all mitigation measures should be applied to all components of the proposed Project as a whole. Mitigated measures specific to the Palmdale Ditch Conversion Project should be incorporated into a tiered Project-specific CEQA document. Conversely, CDFW recommends that the Palmdale Ditch Conversion Project be analyzed as its own project separate from this CEQA action.	Prior to adoption of PEIR	Lead Agency
Recommendation #6: Mitigation Measures - We recommend that mitigation measures BIO-2, 3,4,5,6, 8, 9, 10,11,19, and 20 be amended to say that appropriate mitigation ratios for compensatory mitigation will be scoped with CDFW. CDFW also recommends the mitigation measures for arroyo toad, desert tortoise, tricolored blackbird, and least Bell's vireo, be separate and distinct measures by species rather than clumped into one measure.	Prior to adoption of PEIR	Lead Agency
Recommendation #7: Hydrology Report - CDFW recommends the PWD provide a provide a hydrological study and basis of design report that includes information on how water and sediment is conveyed throughout the entirety of the ditch project, including water surface profiles in a 2-, 5-, 10-, 25-, 50-, 100-, and 200-year storm event. This report should provide information about how the enclosing the ditch will affect local drainages and will depict the anticipated post Project hydrology.	Prior to adoption of PEIR	Lead Agency

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Mitigation Measure	Timing	Responsible Party
Recommendation #8: Fully protected Species - CDFW cannot authorize take for the golden eagle or desert big horn sheep and PWD must completely avoid impacts to these species during individual project's construction and operational activities.	During individual Projects	PWD
Recommendation #9: Mitigation Measure BIO-3 - We recommend that the mitigation measure removes the in-lieu fee prices given that rates associated with the Western Joshua Tree Conservation Act may change prior to an invoice payment.	Prior to adoption of PEIR	Lead Agency
Recommendation #10: CESA - CDFW recommends that PWD seek appropriate take authorization under CESA prior to implementing the Project. Appropriate authorization from CDFW may include an ITP or a consistency determination in certain circumstances, among other options.	Prior to ground-disturbing activities	PWD
Recommendation #11: ESA - CDFW recommends consultation with the USFWS, in order to comply with ESA, prior to Project construction and operational activities that may adversely impact ESA-listed or candidate species.	Prior to ground-disturbing activities	PWD

RESPONSE TO COMMENT LETTER 6

California Department of Fish and Wildlife, Victoria Tang, Environmental Program Manager, South Coast Region

Response to Comment 6-1:

The commenter's role as a trustee and responsible agency under CEQA is acknowledged. As indicated in Table 2-7: Regulatory Requirements and Authorization and Approvals on pages 2-38 and 2-39 of the Draft EIR, the Palmdale Ditch Conversion Project would require a Streambed Alteration Agreement and Incidental Take Permits from CDFW; therefore, CDFW is anticipated to serve as a responsible and trustee agency under CEQA for the Project.

Response to Comment 6-2:

The comment's summary of the Project description, location, timeframe, alternatives, and biological setting evaluated in the Draft EIR as well as a summary of the Project history is noted. The comment's intent to offer comments and recommendations to assist PWD in adequately identifying and/or mitigating the Project's impact on biological resources is appreciated. Refer to Response 6-3 through Response 6-17 for responses to the specific comments, recommendations, and suggested measures provided by the comment.

Response to Comment 6-3:

The following response responds to the comment's concerns about the analysis of impacts to wildlife species from the Palmdale Ditch Conversion Project in the Draft EIR. The comment suggests the conversion of the Palmdale Ditch (Ditch) would permanently remove a water source for wildlife between Littlerock Reservoir and Lake Palmdale and construction activities would potentially result in permanent and temporary habitat loss, direct mortality of rare plants and wildlife, and increased noise and disturbance during construction. The comment recommends conducting a wildlife camera study to gather data on the use of the Ditch as a water source and movement corridor and suggests PWD reassess the Project's impact based on the study's findings.

As described in Section 3.3.1.5, *Wildlife Movement Corridors*, and Section 3.3.1.6, *Aquatic Resources*, in Section 3.3, *Biological Resources*, of the Draft EIR (pages 3.3-35 and 3.3-39), while the Ditch may function as a source of water for local and migrating wildlife during times that water deliveries occur, the timing and amount of such deliveries have been unpredictable in the last decade as a result of drought years and changing climatic patterns affecting precipitation and thus water levels in Littlerock Reservoir. In the absence of a reliable and predictable water supply in the Ditch over the years, wildlife likely rely on other readily available sources of water within and adjacent to the Ditch. As discussed in Section 3.8, *Hydrology, Groundwater, and Water Quality*, of the Draft EIR and Response 6-10, below, the current conveyance capacity of the Ditch is a fraction of flood volumes that would be expected during the 2-year design storm or 100-year design storm. As a result, most flood waters flow over the Ditch (including across existing overcrossings over the Ditch) during such storm events and do not collect within the Ditch.

Other water sources for wildlife near the southern extent of the Ditch (which likely experience lower levels of human activity) include Littlerock Wash, Littlerock Reservoir (at which the comment indicates they have anecdotal evidence of desert big horn sheep drinking water), and sag ponds south of the region's urban areas. The northern extent of the Ditch is in proximity to paved roadways, development, and likely higher levels of human activity (including temporary shelters constructed by those experiencing homelessness, off-highway vehicle use, and other recreation users), which, as the comment notes, would likely discourage wildlife from preferentially selecting such a water source.

While wildlife may move along certain sections of the Ditch, they are likely crossing the Ditch as they move across the landscape of the San Gabriel Mountain foothills. In some areas, the current nature of the Ditch is not conducive to facilitating wildlife movement, such as in the Angeles National Forest where the Ditch is characterized by a concrete trough that would be difficult for wildlife to use as a movement corridor (refer to Photograph 1 of Appendix E, Site Photographs, of Appendix C-1, *Palmdale Ditch Conversion Project Biological Resources Assessment*, of the Draft EIR).

The Draft EIR has been prepared in accordance with CEQA Guidelines Section 15151, which states "An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in the light of what is reasonably feasible." The analysis of potential impacts to wildlife movement from the Palmdale Ditch Conversion Project in the Draft EIR is sufficient to inform decision makers of potential environmental consequences in light of what is reasonably feasible. A year-long wildlife camera study would not be reasonably feasible given the need to construct the pipeline to achieve water conservation goals and the anticipated construction schedule dictated by State and federal funding requirements. In addition, a year-long wildlife camera study of the Ditch alone would not be sufficient to decisively conclude whether the Ditch is a critical water source for wildlife between Littlerock Reservoir to Lake Palmdale relative to other water sources that wildlife can and likely do access in this area, as noted above. To determine whether wildlife preferentially select the Ditch as a water source over others would require a much broader study of water sources in the area, which is not reasonably feasible. Such a study would not be expected to meaningfully change the conclusions of the Draft EIR considering that the medium- to large-sized mammals identified by the comment are highly mobile (some with large ranges) and likely not solely reliant on the Ditch nor restricted from accessing other water sources in the vicinity, such as those noted previously. Therefore, no revisions to the Draft EIR are warranted.

Response to Comment 6-4:

The comment's support for the Reduced Project Alternative and suggestion that PWD prepare a separate CEQA analysis for the Palmdale Ditch Conversion Project if this project is pursued is noted.

CEQA Guidelines Section 15168 provides the requirements for preparing and utilizing a EIR.

CEQA Guidelines Section 15168(b) indicates "If the agency finds that pursuant to Section 15162,

no subsequent EIR would be required, the agency can approve the activity as being within the scope of the project covered by the program EIR, and no new environmental document would be required. Whether a later activity is within the scope of a program EIR is a factual question that the lead agency determines based on substantial evidence in the record. Factors that an agency may consider in making that determination include, but are not limited to, consistency of the later activity with the ...geographic area analyzed for environmental impacts, and covered infrastructure, as described in the program EIR." CEQA Guidelines Section 15168(c)(5) also states "A program EIR will be most helpful in dealing with later activities if it provides a description of planned activities that would implement the program and deals with the effects of the program as specifically and comprehensively as possible. With a good and detailed project description and analysis of the program, many later activities could be found to be within the scope of the project described in the program EIR, and no further environmental documents would be required." Furthermore, CEQA Guidelines Section 15152(b) indicates "agencies are encouraged to tier the environmental analyses which they prepare for separate but related projects...This approach can eliminate repetitive discussions of the same issues and focus the later EIR or negative declaration on the actual issues ripe for decision at each level of environmental review." It also states "Tiering does not excuse the lead agency from adequately analyzing reasonably foreseeable significant environmental effects of the project and does not justify deferring such analysis to a later tier EIR or negative declaration. However, the level of detail contained in a first tier EIR need not be greater than that of the program, plan, policy, or ordinance being analyzed."

The level of detail at which Project components are analyzed in the Draft EIR corresponds to the level of detail currently available for each Project component. The Palmdale Ditch Conversion Project is currently undergoing 90 percent design; therefore, there is a high degree of information known about this Project component and its potential environmental impacts. As encouraged by CEQA Guidelines Section 15168(c)(4), the Draft EIR deals with the effects of the proposed Program as specifically and comprehensively as feasible at the current stage of planning for each Project component. In addition, to comply with CEQA Guidelines Section 15152(b), PWD has adequately analyzed the reasonably foreseeable significant environmental effects from the Palmdale Ditch Conversion Project instead of deferring such analysis to a later tier EIR or negative declaration. Pursuant to CEQA Guidelines Section 15168(c)(2, 4), PWD may determine later activities (e.g., the Palmdale Ditch Conversion Project) are within the scope of the geographic area and covered infrastructure analyzed in the EIR and that no further environmental documents are required. At this time, PWD anticipates a separate CEQA analysis for the Palmdale Ditch Conversion Project will not be required because a project-level analysis was already conducted in the Draft EIR.

Response to Comment 6-5:

The comment states the Draft EIR states an opinion that the biological resources impact analysis in the Draft EIR related to the Pure Water Antelope Valley Project and rehabilitation and/or replacement of existing wells is speculative because it is not based on site-specific biological surveys and recommends deferring significance findings for individual projects until further

studies are completed in a subsequent or supplemental CEQA document. The comment suggests the Draft EIR disclose the future CEQA actions and public review availability for the Pure Water Antelope Valley Project and rehabilitation and/or replacement of existing wells. The comment requests CDFW be provided with the opportunity to review and comment on any addenda to the Draft EIR.

The Draft EIR has been prepared in accordance with CEQA Guidelines Section 15151, which states "An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in the light of what is reasonably feasible."

CEQA Guidelines Section 15168(c)(5) also states "A program EIR will be most helpful in dealing with later activities if it provides a description of planned activities that would implement the program and deals with the effects of the program as specifically and comprehensively as possible. With a good and detailed project description and analysis of the program, many later activities could be found to be within the scope of the project described in the program EIR, and no further environmental documents would be required." Furthermore, CEQA Guidelines Section 15152(b) indicates "agencies are encouraged to tier the environmental analyses which they prepare for separate but related projects...This approach can eliminate repetitive discussions of the same issues and focus the later EIR or negative declaration on the actual issues ripe for decision at each level of environmental review." It also states "Tiering does not excuse the lead agency from adequately analyzing reasonably foreseeable significant environmental effects of the project and does not justify deferring such analysis to a later tier EIR or negative declaration. However, the level of detail contained in a first tier EIR need not be greater than that of the program, plan, policy, or ordinance being analyzed."

In the case of the proposed Project, programmatic analysis of later activities such as the Pure Water Antelope Valley Project and the rehabilitation and replacement of existing wells is consistent with CEQA's encouragement for tiering of CEQA analysis associated with separate but related projects such as those covered by the proposed Project. The level of detail in the Draft EIR was sufficient for PWD to make a decision on the project "[i]ntelligently tak[ing] account of environmental consequences]. The analysis of the Draft EIR was based on substantial evidence available at the time and that the level of detail in the analysis corresponds to the level of detail available in project component design. To comply with CEQA Guidelines Section 15152(b), PWD has adequately analyzed the Pure Water Antelope Valley Project and the rehabilitation and replacement of existing wells' reasonably foreseeable significant environmental effects from the Project. Measures have been incorporated into the Draft EIR to mitigate the reasonably foreseeable impacts associated with these activities and will be incorporated into the future siting and design of the facilities to avoid or mitigate potential impacts with sufficient performance standards to reduce any potential impact. Additionally, subsequent environmental documents will be prepared if any new significant, or substantially more severe significant, impacts are identified as Project component design is refined.

Response to Comment 6-6:

The comment stating an opinion that the mitigation measures pertaining to biological resources within Table ES-2 of the Draft EIR should not have separate requirements for distinct Project components because the Draft EIR is a programmatic planning document and that all mitigation measures be applied to all Project components with the mitigation measures specific to the Palmdale Ditch Conversion Project being handled as a separate tiered CEQA document is noted.

As stated in response to Comment 6-4 and 6-5, the CEQA Guidelines recommend lead agencies streamline CEQA documentation where feasible and capitalize on program environmental documentation to tier project-level environmental analysis when it is prepared in accordance with an overall program (CEQA Guidelines section 15152(b)). As encouraged by CEQA Guidelines Section 15168(c)(4), the Draft EIR deals with the effects of the proposed Program as specifically and comprehensively as feasible at the current stage of planning for each Project component. In addition, to comply with CEQA Guidelines Section 15152(b), PWD has adequately analyzed the reasonably foreseeable significant environmental effects from the Palmdale Ditch Conversion Project instead of deferring such analysis to a later tier EIR or negative declaration. Pursuant to CEQA Guidelines Section 15168(c)(2, 4), PWD may determine later activities (e.g., the Palmdale Ditch Conversion Project) are within the scope of the geographic area and covered infrastructure analyzed in the EIR and that no further environmental documents are required. At this time, PWD anticipates a separate CEQA analysis for the Palmdale Ditch Conversion Project will not be required because a project-level analysis was already conducted in the Draft EIR consistent with the CEQA Guidelines recommendation for streamlined environmental analysis. The Draft EIR sufficiently analyzes and mitigates impacts associated specifically with the Palmdale Ditch Conversion Project as well as the other components associated with the Project. Project components were analyzed for potential environmental effects and mitigated as necessary to reduce all possible significant effects to the extent feasible. Mitigation was specifically crafted to mitigate these particular potential effects and evaluated based on the Project component that could potentially cause the effect. Universally applying mitigation to all components would unnecessarily burden PWD to comply with mitigation measures that do not apply to certain components of the project because there is no potential for significant effect. No changes to the Draft EIR Executive Summary Table ES-2 or mitigation measures are warranted and the analysis and mitigation is sufficient to fully disclose and mitigate potential significant effects.

Response to Comment 6-7:

The comment indicates full avoidance of species will likely be challenging or unlikely due to the Project's scope. The comment states they do not concur with a 1:1 compensatory mitigation ratio will meet the California Endangered Species Act's (CESA) Fully Mitigated Standard. The comment notes that Incidental Take Permits as well as Streambed Alteration Agreement may require higher than a 1:1 ratio for state listed species and riparian habitat, respectively. The comment requests prompt notification if special-status species are found on site to discuss appropriate mitigation. The comment recommends amending Mitigation Measures BIO-2 through BIO-6, BIO-8 through BIO-11, BIO-19, and BIO-20 to allow for higher compensatory

mitigation ratios following coordination with CDFW. The comment offers to review and provide feedback on mitigation language prior to publication of the Final EIR.

Mitigation Measures BIO-2 through BIO-6, BIO-8 through BIO-11, BIO-19, and BIO-20 as presented in the Draft EIR are sufficient to reduce potential impacts to less-than-significant levels under CEQA and to maintain compliance with relevant laws and regulations. Nevertheless, the text of Mitigation Measures BIO-2, BIO-4, BIO-5, BIO-6, BIO-9, BIO-19, and BIO-20 in Section 3.3.3.2, *Mitigation Measures*, of the EIR has been revised to clarify the requirements in response to the comment's recommendations, as shown below. In all relevant instances, mitigation ratio discussions identify a minimum ratio, and coordination with CDFW is included for applicable resources under CDFW's jurisdiction. However, revisions were not incorporated into Mitigation Measures BIO-3, BIO-8, BIO-10 and BIO-11 in response to the comment's recommendations for the following reasons:

- Mitigation Measure BIO-3 includes mitigation for potential impacts to western Joshua tree through the Western Joshua Tree Conservation Act mitigation fee payment and/or relocation and includes consultation with CDFW; as a result, a compensatory mitigation ratio is not appropriate for this mitigation measure.
- Mitigation Measure BIO-8 includes avoidance of nesting Swainson's hawks in compliance with CESA as well as the Migratory Bird Treaty Act and California Fish and Game Code Sections 3503 and 3503.5; as a result, a compensatory mitigation ratio is not appropriate for this mitigation measure.
- Mitigation Measure BIO-10 requires consultation with CDFW for design and location of artificial bat roosts for special-status bats, if deemed necessary, which shall be of comparable size and quality to confirmed or formerly occupied bat roosting habitat destroyed during Project component construction. A compensatory mitigation ratio for the number of artificial bat roosts is not appropriate for this measure because the performance standard is the accommodation of a comparable number of bats.
- Mitigation Measure BIO-11 requires passive relocation of woodrats through "daylighting" of any occupied woodrat middens that may be impacted in Project work areas. A compensatory mitigation ratio is not appropriate for this measure considering that woodrats would move out of harm's way and rebuild middens as necessary in the surrounding areas.

Mitigation Measure BIO-2: Special-Status Plant Surveys, Avoidance Measures, Mitigation and Monitoring Plan

[...]

- Criteria and performance standards by which to measure the success of the mitigation, including replacement of impacted plants at a minimum 1:1 ratio, to be determined in consultation with CDFW if a Lake or Streambed Alteration Agreement pursuant to California Fish and Game Commission (CFGF) Section 1602 or Incidental Take Permit pursuant to CFGF Section 2081 is otherwise required for the Project component;

Mitigation Measure BIO-4: Arroyo Toad, Desert Tortoise, Tricolored Blackbird, and Least Bell's Vireo Avoidance, Minimization and Compensation Measures

[...]

If the proposed Project results in permanent impacts to habitat occupied by special-status wildlife species, United States Fish and Wildlife Service (USFWS) and CDFW shall be consulted to ensure compliance with the Endangered Species Act and/or requirements for avoidance, minimization, or mitigation measures (e.g., replacement of impacted occupied habitat at a minimum 1:1 ratio, to be determined in consultation with USFWS and/or CDFW, as applicable).

Mitigation Measure BIO-5: Crotch's Bumble Bee Avoidance, Minimization, and Compensation Measures

[...]

- If Crotch's bumble bee is determined to be present on the Project component site, floral resources associated with the species that will be removed or damaged by Project component activities in the areas of the Project component site where Crotch's bumble bee is detected and documented shall be replaced at a minimum 1:1 ratio, to be determined in consultation with CDFW as part of the Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component. Planning and implementation of suitable habitat replacement may be integrated into the Habitat Revegetation, Restoration, and Monitoring Program described under Mitigation Measure BIO-19.

Mitigation Measure BIO-6: Burrowing Owl Breeding Season Survey and Foraging Habitat Mitigation

[...]

- Permanent foraging habitat loss shall be mitigated at a minimum 1:1 ratio, to be determined in consultation with CDFW as part of the Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component.

Mitigation Measure BIO-9: Mohave Ground Squirrel Avoidance and Minimization Measures

[...]

- If burrows are identified during the survey that are suspected or known to be occupied by Mohave ground squirrel and cannot be avoided, the qualified biologist shall prepare a Mohave Ground Squirrel Relocation Plan outlining measures to relocate individual Mohave ground squirrels prior to construction start. The plan shall be submitted to PWD and CDFW for review and approval and shall be implemented prior to commencement of Project component activities in work areas with suspected or known Mohave ground squirrel burrows. The Plan shall outline measures for burrow excavation, handling of individuals, identification of proposed relocation areas, and release of relocated

individuals after the conclusion of all grading, clearing, and construction activities. The Plan shall also detail restoration of and/or compensatory mitigation, at a minimum 1:1 ratio, of occupied Mohave ground squirrel habitat that is temporarily or permanently impacted by the Project activities if required by CDFW as part of the Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component. A report documenting relocation activities and outcomes shall be prepared by the qualified biologist and submitted to PWD and CDFW for review and approval after completion of relocation activities.

Mitigation Measure BIO-19: Sensitive Natural Communities and Jurisdictional Features Avoidance, Minimization Measures

[...]

- If impacts to sensitive natural communities cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Mitigation may take the form of permittee-responsible, on-site or off-site mitigation or the purchase of credits from an approved mitigation bank or through applicant-sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is required for the Project component.

Mitigation Measure BIO-20: Aquatic Resources Delineation and Compensatory Mitigation

[...]

- If impacts to jurisdictional waters and wetlands cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Compensatory mitigation for impacts to the jurisdictional extents of the Palmdale Ditch shall be provided at a minimum 0.5:1 ratio, unless a higher ratio is required by Lahontan Regional Water Quality Control Board (RWQCB), CDFW, and/or United States Army Corps of Engineers (USACE), given the Ditch's altered hydrology as a manmade structure constructed entirely in uplands that is artificially lined in a number of areas (concrete, synthetic liner, elevated flume) and its controlled flow that fluctuates in quantity and timing from year to year depending on annual climatic conditions and available water supply in Littlerock Reservoir. Compensatory mitigation for impacts to other jurisdictional waters and wetlands shall be provided at a minimum 1:1 ratio, unless a higher ratio is required by Lahontan RWQCB, CDFW, and/or USACE.

Response to Comment 6-8:

The comment recommends mitigation measures for arroyo toad, desert tortoise, tricolored blackbird, and least Bell's vireo be separate and distinct measures by species with species-specific language, avoidance measures, compensatory mitigation, and permitting obligations rather than consolidated into one measure.

Mitigation Measure BIO-4 as presented in the Draft EIR is sufficient to reduce potential impacts to arroyo toad, desert tortoise, tricolored blackbird, and least Bell's vireo to less-than-significant levels under CEQA. This mitigation measure includes species-specific language (including references to the appropriate, species-specific survey protocols), avoidance measures, mitigation, and permitting obligations (including a requirement to consult with USFWS and CDFW). The mitigation measure language allows for flexibility in implementing species-specific avoidance and mitigation measures, depending on which species are identified as present within each Project component site) if avoidance of special-status wildlife species is not feasible. Parsing them into separate measures would not change the effectiveness of the measure. Additionally, the Project will comply with all applicable laws and regulations including the permitting obligations set forth through consultation. Compliance with existing laws and regulations is a part of the Project baseline analyzed and does not require additional mitigation.

Response to Comment 6-9:

The comment recommends modifications to Mitigation Measure BIO-17.

Mitigation Measure BIO-17 as presented in the Draft EIR is sufficient to reduce potential impacts to nesting birds to less-than-significant levels under CEQA and maintains compliance with existing regulatory requirements of the Migratory Bird Treaty Act and California Fish and Game Code. Nevertheless, to clarify this measure, some of the comment's recommended revisions have been incorporated into the text of this Mitigation Measure BIO-17 in Section 3.3.3.2, *Mitigation Measures*, of the Draft EIR, as shown below. However, the comment's request to remove the distinction between the Palmdale Ditch Conversion project and other Project components was not incorporated because it would have rendered the Mitigation Measure BIO-17 inapplicable to the Palmdale Ditch Conversion project, which is not subject to Mitigation Measure BIO-1. The comment's request to remove certain phrases (e.g., "to the extent practicable," "in each work area," "if Project component activities must occur within the buffer, they shall only be conducted at the discretion of the qualified biologist") were not incorporated because this language provides necessary flexibility for: (a) construction to occur during the nesting bird season, if needed; (b) work areas to be treated separately for the purposes of mitigation measure implementation if they are spatially or temporally distinct and separate from one another; and (c) the qualified biologist to exercise professional judgment in the field regarding appropriate buffers for nesting birds based on species sensitivity, work activity, and ambient conditions.

Mitigation Measure BIO-17: Nesting Bird Surveys and Avoidance and Minimization Measures

This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for nesting birds is identified during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. Project component construction activities shall occur outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must commence within the bird breeding season, PWD shall retain a qualified biologist to conduct a pre-construction nesting bird survey within the disturbance footprint plus a minimum buffer of 100 feet to a maximum buffer of 500 feet depending on species, work activity, and existing ambient conditions ~~100-foot buffer (300 feet for raptors), where feasible~~, no more than seven days prior to initiation of ground disturbance (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation) in each work area. If the Project component is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if initiated during the bird breeding season.

Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A brief report of the nesting bird survey results, if applicable, shall be submitted to PWD for review and approval prior to ground disturbance and/or vegetation removal activities.

If no nesting birds are observed during pre-construction surveys, no further action is required. If nests are found, an appropriate avoidance buffer of up to 300 feet ranging in size from 25 to 50 feet for passerine (perching birds) nests and up to 500 300 feet for active, non-listed raptor nests ~~(depending on the species and the proposed work activity)~~ shall be determined by the qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. No construction activity shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If Project component activities must occur within the buffer, they shall only be conducted at the discretion of the qualified biologist.

Response to Comment 6-10:

The comment states an opinion that the Draft EIR does not discuss hydrology or provide any technical study to demonstrate the hydrology pattern of surrounding drainage systems upon completion of the Palmdale Ditch Conversion Project. The comment recommends PWD provide a hydrological study and basis of design report that evaluates water and sediment flow through the Ditch during various storm events and the impacts of enclosing the Ditch on local drainages and outlines the expected post-project hydrology.

Impacts to hydrology are discussed in Section 3.8, *Hydrology, Groundwater, and Water Quality*, of the Draft EIR. Impacts specifically to drainage pattern alteration as it pertains to erosion,

siltation, surface runoff, and flooding are evaluated under Impact HYD-3a through Impact HYD-3d on pages 3.8-21 to 3.8-31. As indicated throughout the discussion (e.g., pages 3.8-24 to 3.8-25, 3.8-27, and 3.8-28), "the Palmdale Ditch Conversion project would increase the amount of pervious surfaces within the Project area compared to existing conditions. Along segments of the Ditch where the pipeline is placed in the existing Ditch alignment, the Ditch would be backfilled, and minor site grading would be conducted to tie in drainage patterns above the pipeline to existing natural contours adjacent to the alignment. The remaining Ditch segments may either be left in place and continue to function as part of the drainage pattern of the immediate vicinity or be backfilled with the natural overland drainage courses restored to their natural state. The existing Ditch has a conveyance capacity of approximately 20 cubic-feet-per-second, which is approximately 23 percent of the two-year design storm and approximately 0.2 percent of the 100-year design storm for the approximately eight-square-mile area that drains towards the Ditch. Conversion of the Ditch to an underground pipeline is expected to increase surface flows of stormwater to downstream tributaries (which currently receive runoff during storm events) by approximately 1.6 percent, which would be minimal and would not substantially increase flooding on- or off-site (Hazen & Sawyer 2024)." The analysis concludes construction and operation of the Palmdale Ditch Conversion project would not 1) substantially alter the existing drainage pattern in a manner which would result in substantial erosion or siltation on- or off-site; 2) substantially alter the existing drainage pattern in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; 3) substantially alter the existing drainage pattern in a manner which would create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or 4) substantially alter the existing drainage pattern in a manner which impedes or redirects flood flows. Impacts related to drainage pattern alteration resulting from the Palmdale Ditch Conversion project were determined by the Draft EIR to be less than significant under Impacts HYD-3a through 3d. Therefore, no additional analysis of the hydrological impacts of the Palmdale Ditch Conversion project in the Draft EIR is warranted.

Response to Comment 6-11:

The comment states the requirements for Fully Protected Species and indicates CDFW cannot authorize take for golden eagle (*Aquila chrysaetos*) or desert bighorn sheep (*Ovis canadensis nelsoni*). The comment states PWD must completely avoid impacts to these species during construction and operational activities for Project components.

This comment is noted. As described in *Impact BIO-1 Analysis*, in Section 3.3.3.4, *Impacts and Mitigation Measures*, of the Draft EIR (page 3.3-56), although there is moderate or high potential for golden eagle to forage within the Project area, it is not expected to nest in the Project area due to the lack of suitable nesting habitat. Therefore, take of golden eagle is not expected. Potential Project impacts to desert bighorn sheep are not addressed in the Draft EIR because there are no documented records of the species in the California Natural Diversity Database

(CNDDDB) within the standard nine-quadrangle search area used for the Project (as described in Section 3.3.1.1, *Methodology for Establishing Environmental Setting*, of the Draft EIR). Regardless, take of desert bighorn sheep is not expected given the ability of this highly mobile species to move out of harm's way. PWD would be required by law to comply with the requirements for Fully Protected Species during implementation of the proposed Project.

Response to Comment 6-12:

The comment recommends removing the in-lieu fee prices from Mitigation Measure BIO-3 given that rates associated with the Western Joshua Tree Conservation Act may change prior to an invoice payment.

Mitigation Measure BIO-3 as presented in the Draft EIR is sufficient to reduce potential impacts to western Joshua to less-than-significant levels under CEQA and to maintain compliance with the Western Joshua Tree Conservation Act and/or CESA. Nevertheless, to clarify this measure, the comment's recommended revisions have been incorporated into the text of this mitigation measure in Section 3.3.3.2, *Mitigation Measures*, of the EIR, as shown below.

Mitigation Measure BIO-3: Joshua Tree Census Survey, Avoidance, Minimization, and Compensation Measures

[...]

- PWD shall submit payment of an in-lieu fee to CDFW pursuant to CDFW's standard mitigation fee structure for western Joshua tree in effect at the time of application for an Incidental Take Permit. ~~The current (2024) standard mitigation fee structure is as follows:~~
 - ~~☐ Trees five meters or greater in height – \$2,500 per tree~~
 - ~~☐ Trees one meter or greater but less than 5 meters in height – \$500 per tree~~
 - ~~☐ Trees less than one meter in height – \$340 per tree~~

Response to Comment 6-13:

The comment recommends PWD consult with CDFW to obtain appropriate take authorization if the Project would result in the take of a species designated as endangered or threatened, or a candidate for listing under CESA; summarizes key requirements for an Incidental Take Permit; and recommends early consultation with CDFW.

This comment is noted. PWD is consulting with CDFW to obtain appropriate take authorizations for the Palmdale Ditch Conversion Project for potential take of western Joshua tree (*Yucca brevifolia*; protected under the Western Joshua Tree Conservation Act and a candidate threatened species under CESA) and Crotch's bumble bee (*Bombus crotchii*; candidate endangered species under CESA). PWD would consult with CDFW and apply for take authorizations for other Project components analyzed in the Draft EIR, if determined necessary.

Response to Comment 6-14:

The comment recommends engaging in consultation with the USFWS to comply with the federal Endangered Species Act (ESA) prior to Project construction and operational activities that may adversely impact ESA-listed or candidate species.

The comment is noted. The United States Bureau of Reclamation (the lead federal action agency for the Palmdale Ditch Conversion Project) is proceeding to fulfill their obligations to comply with the federal ESA. If other Project components analyzed in the Draft EIR have a federal nexus or would potentially result in adverse effects to federally listed species, PWD would fulfill necessary obligations under the federal ESA for those Project components in coordination with the lead federal action agency(ies) and/or the USFWS.

Response to Comment 6-15:

The comment recommends updating the mitigation measures for biological resources in the Draft EIR to include their suggested measures and indicates they have provided a summary of their suggested mitigation measures and recommendations in a Mitigation Monitoring and Reporting Plan included as an attachment to their letter.

This comment is noted. Please refer to Responses 6-3 through -14 for discussions on the comment's suggested mitigation measures and other recommendations. A Mitigation Monitoring and Reporting Plan has been prepared for the Project and is included as **Appendix A** to the Final EIR.

Response to Comment 6-16:

The comment states the requirements for reporting observations of special status species and sensitive natural communities and requests submittal of observation data to the CNDDDB should any special status species be detected and provides guidance for submittal.

In accordance with the requirements of Public Resources Code Section 21003(e), all observations of special status species would be recorded on CNDDDB field sheets and sent to CDFW. PWD also intends to submit information on special status native plant populations and sensitive natural communities via CDFW's Combined Rapid Assessment and Relevé Form. All Crotch's bumble bee observations for the Palmdale Ditch Conversion Project were submitted to the CNDDDB on September 3, 2024 as required in the *CDFW Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species* (2023) (Rincon Consultants, Inc. 2024). All short-joint beavertail (*Opuntia basilaris* var. *brachyclada*) observations for the Palmdale Ditch Conversion Project were also submitted to the CNDDDB on November 13, 2024.

Response to Comment 6-17:

The comment stating CDFW's filing fee requirements are required is noted. PWD would be required by law to pay all appropriate CDFW filing fees upon filing the Notice of Determination.

Response to Comment 6-18:

The comment requests the opportunity to review and comment on responses to their comments, requests notification of future public hearings on the project, and provides their contact information.

This comment is noted. PWD will provide CDFW with a copy of these responses to comments prior to consideration of the Final EIR by the PWD Board of Directors and will notify CDFW of future public hearings associated with the Project.

Comment Letter 7



State Water Resources Control Board

November 12, 2024

Scott Rogers
 Palmdale Water District
 2029 E Avenue Q
 Palmdale, CA 93550

PALMDALE WATER DISTRICT (WATER SYSTEM), ENVIRONMENTAL IMPACT REPORT (EIR) FOR THE 2023 STRATEGIC WATER RESOURCES PLAN DRAFT PROGRAM ENVIRONMENTAL IMPACT REPORT PROJECT (PROJECT); STATE CLEARINGHOUSE # 2023080290

Dear Scott Rogers:

Thank you for the opportunity to review the EIR for the proposed Project. The State Water Resources Control Board, Division of Drinking Water (State Water Board, DDW) is responsible for issuing water supply permits pursuant to the Safe Drinking Water Act. This Project is within the jurisdiction of the State Water Board, DDW's Hollywood District. DDW Hollywood District issues domestic water supply permit amendments to public water systems pursuant to Waterworks Standards (Title 22 California Code of Regulations [Cal Code Regs.] chapter 16 et. seq.). A public water system requires a water supply permit amendment when changes are made to a domestic water supply source, storage, or treatment and for the operation of new water system components- as specified in the Cal. Code Regs. § 64556.

7-1

The State Water Board, DDW, as a responsible agency under the California Environmental Quality Act (CEQA), has the following comments on the Water System's EIR:

- The Water System may need to apply for a domestic water supply permit amendment from the State Water Resources Control Board, Division of Drinking Water for new sources of supply. Please add the agency and the permit to section 2.5.9 Anticipated Permits and Approvals, Table 2-7, Regulatory Requirements and Authorizations and Approvals (PDF page 110).
- The Water System may replace five wells in the near term (PDF page 105) but provides conflicting accounts of where these wells will be located (PDF pages 79, 85, 105, 382, et cetera). In the Project Description and figures, please describe all the proposed and possible areas where the rehabilitated and replacement wells could be located.

7-2

7-3

E. JOAQUIN ESQUIVEL, CHAIR | ERIC OPPENHEIMER, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov

Scott Rogers

- 2 -

November 12, 2024

When the CEQA review process is completed, please forward the following items with the permit application to the State Water Board, DDW Hollywood District Office at DWPDIST07@waterboards.ca.gov:

- Copy of the EIR and Mitigation Monitoring and Reporting Plan (MMRP);
- Copy of all comment letters received and the lead agency responses as appropriate;
- Copy of the Resolution or Board Minutes certifying the EIR and adopting the MMRP; and
- Copy of the date stamped Notice of Determination filed at the Los Angeles County Clerk's Office and the Governor's Office of Planning and Research, State Clearinghouse.

7-4

Please contact Lori Schmitz of the State Water Board at (916) 449-5285 or Lori.Schmitz@waterboards.ca.gov, for questions regarding this comment letter.

Sincerely,

**Lori
Schmitz**

Digitally signed by Lori
Schmitz
Date: 2024.11.12
15:04:41 -08'00'

Lori Schmitz
Environmental Scientist
Division of Financial Assistance
Special Project Review Unit
1001 I Street, 16th floor
Sacramento, CA 95814

Cc:

Office of Planning and Research, State Clearinghouse

Dmitriy Ginzburg
District Engineer
Hollywood District

Milagros Alora
Sanitary Engineer
Hollywood District

RESPONSE TO COMMENT LETTER 7

State Water Resources Control Board, Lori Schmitz, Environmental Scientist

Response to Comment 7-1:

PWD acknowledges the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW) is responsible for issuing water supply permits pursuant to the Safe Drinking Water Act as illustrated in Table 2-7 of the Draft EIR. PWD recognizes the proposed Project is within DDW's jurisdiction in Hollywood and would require a water supply permit amendment if changes to a domestic water supply source, storage, or treatment are required or if there is operation of new water system components.

Response to Comment 7-2:

The comment notes that the water system may need to apply for a domestic water supply permit amendment from the SWRCB, DDW for new sources of supply. The comment requests adding the water supply permit amendment to Table 2-7: Regulatory Requirements and Authorizations and Approvals.

The SWRCB requirements in Table 2-7: Regulatory Requirements and Authorizations and Approvals were updated to reflect this required easement as follows:

Agency	Type of Approval	Water Supply Element
State Water Resources Control Board	Approval of the Stormwater Pollution Prevention Plan (SWPPP) under the statewide National Pollution Discharge Elimination System (NPDES) Construction General Permit	Local Supplies – Palmdale Ditch Conversion
<u>State Water Resources Control Board</u>	<u>Water Supply Permit Amendment</u>	<u>Recycled Water – Pure Water Antelope Valley</u>

Response to Comment 7-3:

As described on page 2-15 within the Draft EIR Project Description Section 2.5.3.1 Existing Wells Rehabilitation or Replacement well rehabilitation and replacement within the proposed Project and considered in the SWRP is based on the conclusion and recommendations of the 2020 Well Rehabilitation Prioritization Program. As stated within this Draft EIR section the north wellfield (also known as pressure zone 2800) was recommended as an area known for high groundwater production rates, however, the placement of the replacement wells would be determined as the well is sited and designed at optimal locations within PWD district boundaries. As described, wells will be rehabilitated as identified and prioritized in the 2020 Well Rehabilitation Prioritization Program at or adjacent to the existing well sites.

CEQA Guidelines Section 15168 provides the requirements for preparing and utilizing a EIR. CEQA Guidelines Section 15168(b) indicates "If the agency finds that pursuant to Section 15162, no subsequent EIR would be required, the agency can approve the activity as being within the scope of the project covered by the program EIR, and no new environmental document would be required. Whether a later activity is within the scope of a program EIR is a factual question that the lead agency determines based on substantial evidence in the record. Factors that an agency may consider in making that determination include, but are not limited to, consistency of the later activity with the ...geographic area analyzed for environmental impacts, and covered infrastructure, as described in the program EIR." CEQA Guidelines Section 15168(c)(5) also states "A program EIR will be most helpful in dealing with later activities if it provides a description of planned activities that would implement the program and deals with the effects of the program as specifically and comprehensively as possible. With a good and detailed project description and analysis of the program, many later activities could be found to be within the scope of the project described in the program EIR, and no further environmental documents would be required." Furthermore, CEQA Guidelines Section 15152(b) indicates "agencies are encouraged to tier the environmental analyses which they prepare for separate but related projects...This approach can eliminate repetitive discussions of the same issues and focus the later EIR or negative declaration on the actual issues ripe for decision at each level of environmental review." It also states "Tiering does not excuse the lead agency from adequately analyzing reasonably foreseeable significant environmental effects of the project and does not justify deferring such analysis to a later tier EIR or negative declaration. However, the level of detail contained in a first tier EIR need not be greater than that of the program, plan, policy, or ordinance being analyzed."

Due to the need for flexibility in location of rehabilitation and replacement wells the associated impacts were assessed programmatically within the Draft EIR and beyond illustrating existing well locations of the figures should be assumed to occur within the boundaries of PWD service area. As PWD advances the well replacement projects, they will be further evaluated once locations are selected to determine if there are any site-specific impacts that vary or are greater than those evaluated programmatically within the Draft EIR. If additional impacts are identified at that time, further environmental review will be conducted specific to the exact location of the replacement well. The following sentence has been added for clarification to the second paragraph on page 2-15 of Chapter 2 Project Description:

...The 2020 Well Rehabilitation Prioritization Program noted that a well site assessment and preliminary design had been completed on two potential new replacement production wells, designated Well 36 and 37, which would be situated in the north wellfield (pressure zone 2800). However, siting of wells will take into account a number of factors including groundwater production rates, district owned facilities, potential environmental effects, cost, and other engineering factors and may occur anywhere within the PWD boundaries. No CEQA documentation was prepared for the 2020 Well Rehabilitation Prioritization Program.

Response to Comment 7-4:

PWD appreciates the information provided regarding necessary information required to accompany the permit application. PWD will plan to submit the permit application to SWRCB, DDW Hollywood District Office along with a copy of the EIR and MMRP, copy of all comment letters received and responses, copy of the resolution of Board minutes certifying the EIR and adopting the MMRP, and copy of the date stamped Notice of Determination filed at the Los Angeles County Clerk's Office and the Governor's Office of Planning Research, State Clearinghouse once the CEQA review process is complete.

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, Governor

DEPARTMENT OF TRANSPORTATION

DISTRICT 7
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 897- 0673
FAX (213) 897-1337
TTY 711
www.dot.ca.gov

Comment Letter 8

*Making Conservation
a California Way of Life*

November 8, 2024

Scott Rogers, Engineering Manager
Palmdale Water District
2029 E Avenue Q
Palmdale, CA 93550

RE: 2023 Strategic Water Resources
Plan Draft Program Environmental
Impact Report– Draft Environmental
Impact Report (DEIR)
SCH #2023080290
GTS #07-LA-2023-04639
Vic. LA Multiple

Dear Scott Rogers,

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The Palmdale Water District (PWD) has updated its Strategic Water Resources Plan (SWRP) to reevaluate PWD's ability to meet the demands of both current and future customers through the year 2050. The SWRP Update, completed in June 2023, analyzes PWD's current mix of water sources, which includes groundwater, surface water, imported water, and recycled water, to find the best way to meet the needs of a growing population under changing future conditions. A Preferred Strategy was identified that optimizes PWD's mix of water sources up to the year 2050. The Preferred Strategy, referred to as the 'proposed Project', includes proposed actions that make the most of local water supplies and facilities and increase water storage in the Antelope Valley Groundwater Basin.

8-1

After reviewing the DEIR, Caltrans has the following comments:

Caltrans concurs with Mitigation Measure TRA-1: Traffic Control Plan from the Initial Study. Prior to construction, PWD shall require its construction contractor(s) to prepare and implement a Traffic Control Plan, to be approved by the City of Palmdale and/or the County of Los Angeles, based on jurisdiction. The plan shall include traffic counts at intersections near the proposed Project facilities to determine existing traffic conditions. Based on these traffic counts, the plan shall recommend mitigation to minimize impacts

8-2

"Provide a safe and reliable transportation network that serves all people and respects the environment"

Scott Rogers
November 8, 2024
Page 2

to existing traffic conditions. The plan shall also include provisions for traffic control measures including barricades, warning signs, cones, lights, and flag persons, to allow safe circulation of vehicle, bicycle, pedestrian, and emergency response traffic.

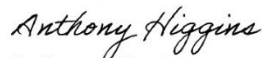
Any transportation of heavy construction equipment and/or materials that requires the use of oversized transport vehicles on State Highways will require a Caltrans transportation permit. Caltrans recommends limiting construction traffic to off-peak periods to minimize the potential impact on State facilities. If construction traffic is expected to cause issues on any State facilities, please submit a construction traffic control plan detailing these issues for Caltrans' review. We look forward to the coordination of our efforts to ensure potential impacts to the highway facilities and traveling public are discussed and addressed before work begins.

8-3

8-4

If you have any questions, please contact project coordinator Frances Duong, at frances.duong@dot.ca.gov and refer to GTS #07-LA-2023-04639.

Sincerely,



Anthony Higgins
Acting LDR/CEQA Branch Chief

Cc: State Clearinghouse

"Provide a safe and reliable transportation network that serves all people and respects the environment"

RESPONSE TO COMMENT LETTER 8

Department of Transportation, Anthony Higgins, Acting LDR/CEQA Branch Chief

Response to Comment 8-1:

PWD would like to thank the comment for their time and consideration in submitting a comment letter for the proposed Project.

Response to Comment 8-2:

PWD acknowledges the comment's support with Mitigation Measure TRA-1: Traffic Control Plan.

Response to Comment 8-3:

The text of Table 2-7 was revised to include a Caltrans transportation permit based on the comment that any transportation of heavy construction equipment and/or materials that requires the use of oversized transport vehicles on State Highways will require a Caltrans transportation permit.

On page 2-38 of the Draft EIR the following was added to Table 2-7: Regulatory Requirements and Authorizations and Approvals was updated to reflect this required permit.

Agency	Type of Approval	Water Supply Element
<u>California Department of Transportation</u>	<u>Transportation Permit and construction control plan</u>	<u>All</u>

Response to Comment 8-4:

PWD acknowledges the comment and will submit a construction control plan to Caltrans if applicable. The revision of Draft EIR Table 2-7 in the previous response addresses this comment.

Comment Letter 9

From: Reyes, Joy <jreyes@cityoflanasterca.gov>
Sent: Tuesday, November 12, 2024 8:40 AM
To: Scott Rogers <srogers@palmdalewater.org>
Cc: Diaz, Marissa <mdiaz@cityoflanasterca.gov>
Subject: FW: Public Review of Draft Environmental Impact Report for the 2023 Strategic Water Resources Plan Update – Palmdale Water District

Good morning Mr. Rogers

On behalf of the City of Lancaster Public Works Director Marissa Diaz, please be advised the City has no comment on this Draft EIR. 9-1

Thank you,

Joy Reyes

Sr. Administrative Assistant – PW Administration

City of Lancaster

44933 Fern Ave. | Lancaster, CA 93534

T 661.723.6107

jreyes@cityoflanasterca.gov | cityoflanasterca.gov



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RESPONSE TO COMMENT LETTER 9

City of Lancaster, Joy Reyes, Senior Administrative Assistant

Response to Comment 9-1:

This comment is noted. PWD would like to thank the comment for their time and consideration.

Comment Letter 10

TRIBAL HISTORIC PRESERVATION OFFICE

VIA ELECTRONIC MAIL

srogers@palmdalewater.org

Scott Rogers,
Engineering Manager
Palmdale Water District
2029 E Avenue Q, Palmdale,
CA 93550

MORONGO
BAND OF
MISSION
INDIANS



November 11, 2024

RE: **AB-52 Consultation for Palmdale Water District 2023 Strategic Water Resources Plan (SWRP) Draft EIR**

The Morongo Band of Mission Indians (Tribe/MBMI) Tribal Historic Preservation Office received the City of Palmdale (City) letter regarding the above referenced project on September 30, 2024. The proposed Strategic Water Resource Plan (SWRP) (Project) is located within the ancestral territory and traditional use area of the Cahuilla and Serrano people of the Morongo Band of Mission Indians.

10-1

Tribal cultural resources are non-renewable resources and therefore of high importance to the Morongo Tribe, therefore, tribal participation (a.k.a. tribal monitors) is recommended during all ground disturbing activities. We look forward to working with the City to protect these irreplaceable resources out of respect for ancestors of the Morongo people who left them there, and for the people of today and for generations to come.

Projects within this area are sensitive for cultural resources regardless of the presence or absence of remaining surface artifacts and features. Tribal cultural resources are non-renewable resources and therefore of high importance to the Morongo Tribe and tribal participation (a.k.a. Tribal Monitors) is requested by MBMI THPO during all ground disturbing activities.

10-2

After reviewing the DEIR, there are several concerns that the Tribe has with the "Ethnographic Setting" section (3.4.1.5) and the "Impacts and Mitigation Measures" section (3.4.3.3). These concerns include:

Ethnographic Setting:

1. On page 3.4-7 of the DEIR, the "Vanyumé" are mentioned as inhabiting the southeastern portion of the Valley, including the Mojave River. The Vanyumé are the desert division of the Serrano; they were first mentioned in the "Beñemé" by Father Francisco Garcés in 1776. Later, the ethnic designation Vanyumé was adopted by Kroeber who mistranslated the name. Sutton and Earle (2017) discuss the relationship between the Mountain and Desert divisions of the Serrano at depth, suggesting that they are two divisions of the Serrano proper, not independent political, linguistic, or cultural entities (Earle 1997). In order to accurately represent the prehistory of the area, the "Ethnographic Setting" section of the DEIR should edit this section to better represent the two Serrano divisions, rather than just mentioning the Vanyumé *once* as inhabiting a specific portion of the Valley.

10-3

Impact and Mitigation Measures:

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1. The retention and participation of a Tribal Monitor in the event that any inadvertent discoveries are made. See MBMI CR-6. 10-4
2. The treatment and disposition of inadvertent discoveries. See MBMI CR-6, A-D. 10-5
3. The treatment of inadvertently discovered human remains. Most importantly, including the security that **no photographs are to be taken except by the coroner, with written approval by the consulting Tribe[s]**. See MBMI CR-7, A-D. 10-6
4. A final report(s) created as part of the project shall be submitted to the Lead Agency and Consulting Tribe(s) for review and comment. 10-7

Other Comments/Concerns:

1. In the "Prehistoric Setting" (3.4.1.3), please avoid describing local groups that inhabited the landscape as "Tribe(s)." During these periods, these groups are not known as "Tribe(s)," a better term might be "local groups." 10-8
2. When mentioning specific sites located in the Antelope Valley, for example, Lovejoy Springs (mentioned on page 3.4-3), please include the trinomial of the site. Lovejoy Springs' trinomial is CA-LAN-192. 10-9
3. The citation for Price et al. should have the corresponding date of 2009, not 2008. 10-10
4. Robinson (1977:47) is the first to suggest that the local groups which inhabited the Antelope Valley occupied a central geographical location. These groups were a "central point of contact between four major centers of cultural development in central and southern California;" this included Shoshonean people of the desert proper to the east, the Yokuts to the north, the Chumash to the west, and the Gabrieliño to the south. 10-11

We look forward to working with the City to protect these irreplaceable resources out of respect for ancestors of the Morongo people who left them there, and for the people of today and for generations to come. 10-12

Please see the following Mitigation Measures to be included in the Project Environmental Document:

Cultural Resource Mitigation Measures:

CR-1: Tribal Monitoring Services Agreement Prior to the issuance of grading permits, the applicant shall enter into a Tribal Monitoring Services Agreement with the Morongo Band of Mission Indians (MBMI) for the Project. The Tribal Monitor shall be on-site during all ground-disturbing activities (including, but not limited to, clearing, grubbing, tree and bush removal, grading, trenching, fence post placement and removal, construction excavation, excavation for all utility and irrigation lines, and landscaping phases of any kind). The Tribal Monitor shall have the authority to temporarily divert, redirect, or halt the ground-disturbing activities to allow identification, evaluation, and potential recovery of cultural resources. 10-13

CR-2: Retention of Archaeologist Prior to any ground-disturbing activities (including, but not limited to, clearing, grubbing, tree and bush removal, grading, trenching, fence post replacement and removal, construction excavation, excavation for all utility and irrigation lines, and landscaping phases of any kind), and prior to the issuance of grading permits, the Applicant shall retain a Qualified Archaeologist who meets the U.S. Secretary of the Interior Standards (SOI). The Archaeologist shall be present during all ground disturbing activities to identify any known or suspected archaeological and/or cultural resources. The Archaeologist will conduct a Cultural Resource Sensitivity Training, in conjunction with the Tribe[s] Tribal Historic Preservation Officer (THPO), and/or designated Tribal Representative. The training session will focus on the archaeological and tribal cultural resources that may be encountered during ground-disturbing activities as well as the procedures to be followed in such an event. 10-14

CR-3: Cultural Resource Management Plan Prior to any ground-disturbing activities the project Archaeologist shall develop a Cultural Resource Management Plan (CRMP) and/or Archaeological

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Monitoring and Treatment Plan (AMTP) to address the details, timing, and responsibilities of all archaeological and cultural resource activities that occur on the project site. This Plan shall be written in consultation with the consulting Tribe[s] and shall include the following: approved Mitigation Measures (MM)/Conditions of Approval (COA), contact information for all pertinent parties, parties' responsibilities, procedures for each MM or COA, and an overview of the project schedule.

10-14

CR-4: Pre-Grade Meeting The retained Qualified Archeologist and Consulting Tribe[s] representative shall attend the pre-grade meeting with the grading contractors to explain and coordinate the requirements of the monitoring plan.

10-15

CR-5: On-site Monitoring During all ground-disturbing activities the Qualified Archaeologist and the Tribal Monitor shall be on-site full-time. The frequency of inspections shall depend on the rate of excavation, the materials excavated, and any discoveries of Tribal Cultural Resources as defined in California Public Resources Code Section 21074. Archaeological and Tribal Monitoring will be discontinued when the depth of grading and the soil conditions no longer retain the potential to contain cultural deposits. The Qualified Archaeologist, in consultation with the Tribal Monitor, shall be responsible for determining the duration and frequency of monitoring.

10-16

CR-6: Inadvertent Discovery of Cultural Resources In the event that previously unidentified cultural resources are unearthed during construction, the Qualified Archaeologist and the Tribal Monitor shall have the authority to temporarily divert and/or temporarily halt ground-disturbance operations in the area of discovery to allow for the evaluation of potentially significant cultural resources. Isolates and clearly non-significant deposits shall be minimally documented in the field and collected so the monitored grading can proceed.

If a potentially significant cultural resource(s) is discovered, work shall stop within a 60-foot perimeter of the discovery and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. All work shall be diverted away from the vicinity of the find, so that the find can be evaluated by the Qualified Archaeologist and Tribal Monitor[s]. The Archaeologist shall notify the Lead Agency and consulting Tribe[s] of said discovery. The Qualified Archaeologist, in consultation with the Lead Agency, the consulting Tribe[s], and the Tribal Monitor, shall determine the significance of the discovered resource. A recommendation for the treatment and disposition of the Tribal Cultural Resource shall be made by the Qualified Archaeologist in consultation with the Tribe[s] and the Tribal Monitor[s] and be submitted to the Lead Agency for review and approval. Below are the possible treatments and dispositions of significant cultural resources in order of CEQA preference:

10-17

- A. Full avoidance.
- B. If avoidance is not feasible, Preservation in place.
- C. If Preservation in place is not feasible, all items shall be reburied in an area away from any future impacts and reside in a permanent conservation easement or Deed Restriction
- D. If all other options are proven to be infeasible, data recovery through excavation and then curation in a Curation Facility that meets the Federal Curation Standards (CFR 79.1)

CR-7: Inadvertent Discovery of Human Remains The Morongo Band of Mission Indians requests the following specific conditions to be imposed in order to protect Native American human remains and/or cremations. **No photographs are to be taken except by the coroner, with written approval by the consulting Tribe[s].**

10-18

- A. Should human remains and/or cremations be encountered on the surface or during any and all ground-disturbing activities (i.e., clearing, grubbing, tree and bush removal, grading, trenching,

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fence post placement and removal, construction excavation, excavation for all water supply, electrical, and irrigation lines, and landscaping phases of any kind), work in the immediate vicinity of the discovery shall immediately stop within a 100-foot perimeter of the discovery. The area shall be protected; project personnel/observers will be restricted. The County Coroner is to be contacted within 24 hours of discovery. The County Coroner has 48 hours to make his/her determination pursuant to State and Safety Code §7050.5. and Public Resources Code (PRC) § 5097.98.

10-18

- B. In the event that the human remains and/or cremations are identified as Native American, the Coroner shall notify the Native American Heritage Commission within 24 hours of determination pursuant to subdivision (c) of HSC §7050.5.
- C. The Native American Heritage Commission shall immediately notify the person or persons it believes to be the Most Likely Descendant (MLD). The MLD has 48 hours, upon being granted access to the Project site, to inspect the site of discovery and make his/her recommendation for final treatment and disposition, with appropriate dignity, of the remains and all associated grave goods pursuant to PRC §5097.98
- D. If the Morongo Band of Mission Indians has been named the Most Likely Descendant (MLD), the Tribe may wish to rebury the human remains and/or cremation and sacred items in their place of discovery with no further disturbance where they will reside in perpetuity. The place(s) of reburial will not be disclosed by any party and is exempt from the California Public Records Act (California Government Code § 6254[r]). Reburial location of human remains and/or cremations will be determined by the Tribe's Most Likely Descendant (MLD), the landowner, and the City Planning Department.

CR-8: FINAL REPORT: The final report[s] created as a part of the project (AMTP, isolate records, site records, survey reports, testing reports, etc.) shall be submitted to the Lead Agency and Consulting Tribe[s] for review and comment. After approval of all parties, the final reports are to be submitted to the appropriate Information Center, and the Consulting Tribe[s].

10-19

This letter does not conclude consultation. Upon review of the requested Measures the MBMI THPO may further provide recommendations or guidance.

10-20

The lead contact for this Project is Bernadette Ann Brierty, Tribal Historic Preservation Officer (THPO). MBMI Tribal Archaeologist, Sarah Bertman will be assisting the Tribe in the review of this project. Please do not hesitate to contact us at ABrierty@morongo-nsn.gov, THPO@morongo-nsn.gov, sbertman@morongo-nsn.gov or (951) 663-2842, should you have any questions. The Tribe looks forward to meaningful government-to-government consultation with the City.

Respectfully,



Bernadette Ann Brierty
Tribal Historic Preservation Officer
Morongo Band of Mission Indians

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RESPONSE TO COMMENT LETTER 10

Morongo Band of Mission Indians, Bernadette Ann Brierty, Tribal Historic Preservation Officer

Response to Comment 10-1:

PWD acknowledges that the proposed Project is located within the ancestral territory and traditional use area of the Cahuilla and Serrano people of the Morongo Band of Mission Indians (MBMI). As indicated in Mitigation Measure TCR-1: Native American Resources Monitoring, full-time Tribal monitoring shall be conducted for ground-disturbing activities unless the Qualified Archaeologist has established as part of the archaeological assessment that previous disturbances have reduced the sensitivity to the extent that Tribal monitoring is not warranted. With respect to all tribes and groups who have engaged with the District on the Project the District will work with consulting tribes to equitably select tribal monitors on each individual component of the proposed Project. Further response to monitoring is discussed in comment 10-13

Response to Comment 10-2:

PWD acknowledges the comment indicating that project is within the ancestral territory are sensitive for cultural resources regardless of the present or absence of remaining surface artifacts. Please refer to response to Comment 10-1 regarding response to requests Tribal monitoring during all ground-disturbing activities.

Response to Comment 10-3:

As requested, Section 3.4.1.5 Ethnographic Setting has been edited to better present the two Serrano divisions, rather than just mention the Vanyumé once as inhabiting a specific portion of the Valley.

Text in Section 3.4.1.5 Ethnographic Setting on page 3.4-7 has been edited.

At the time of European contact, numerous groups occupied the area in and surrounding the Antelope Valley. The southeastern portion of the Valley, around the Mojave River, was inhabited by the Serrano and Vanyumé. The Vanyumé are the desert division of the Serrano; they were first mentioned as the Beneme by Father Francisco Garces in 1776. Later, the ethnic designation Vanyume was adopted by Kroeber who mistranslated the name. Sutton and Earle (2017) discuss the relationship between the Mountain and Desert divisions of the Serrano at depth, suggesting that they are two divisions of the Serrano proper, not independent political, linguistic, or cultural entities (Earle 1997).

Response to Comment 10-4:

The comment notes that the retention and participation of Tribal Monitor in the event that any inadvertent discoveries are made. Please refer to Mitigation Measure TCR-1 on Page 3.4-49 of the Draft EIR which includes requirements for Native American monitors. Potential impacts to

tribal cultural resources were adequately evaluated and the mitigation does not warrant revision. See the response for comment 10-17 below for a more detailed discussion.

Response to Comment 10-5:

The comment notes the treatment and disposition of inadvertent discoveries. Please refer to Mitigation Measure CUL-4 and CUL-9 on page 3.4-45 and 3.4-48 of the Draft EIR regarding training, treatment, and disposition of inadvertent resource discoveries that adequately meet the regulator requirements governing archaeological, tribal cultural, and human remain resources. See the response for comment 10-17 below for a more detailed discussion.

Response to Comment 10-6:

The comment notes the treatment of inadvertently discovered remains and requests that no photographs are to be taken except by the coroner, with written approval by the consulting Tribe(s). This comment is discussed in detail in the response to Comment 10-18 below.

Response to Comment 10-7:

The comment notes that a final report shall be created as part of the project shall be submitted to the Lead Agency and Consulting Tribe(s) for review and comment. See the response to Comment 10-19 below that discusses the final report.

Response to Comment 10-8:

The comment requests that PWD avoid describing local groups that inhabited the landscape as "Tribes" in Section 3.4.1.3 Prehistoric Setting because these groups are not known as "Tribe(s)" during this period. The comment recommends using the term "local groups."

PWD reviewed Section 3.4.1.3 and did not find any references describing local groups that inhabited the landscape as "Tribes."

Response to Comment 10-9:

The comment requests that trinomial of the site be included when mentioning specific sites located in the Antelope Valley. PWD acknowledges this comment; however, PWD will not be able to include trinomials in the EIR because not all trinomials are available and typically not publicly available. The addition of trinomials does not change the outcome of the proposed Project, as some commonly known sites may not have been included in the proposed Project.

Response to Comment 10-10:

The comment notes that the citation for Price et al. should have the corresponding date of 2009, not 2008. The citation for Price et al. has been revised to 2009 throughout the EIR.

Response to Comment 10-11:

The comment notes that Robinson (1977:47) is the first to suggest that the local groups which inhabited the Antelope Valley occupied a central geographical location, and that these groups were a "central point of contact between four major centers of cultural development in central and southern California," which included the Shoshonean people of the desert proper to the east, the Yokuts to the north, the Chumash to the west, and the Gabrieliño to the south.

Text in Section 3.4.1.5 Ethnographic Setting on page 3.4-7 has been revised.

Robinson (1977) is the first to suggest that the local groups, which inhabited the Antelope Valley occupied a central geographical location. These groups were "a central point of contact between four major centers of cultural development in central and southern California;" this included Shoshonean people of the desert proper to the east, the Yokuts to the north, the Chumash to the west, and the Gabrieliño to the south. The territory of the Tataviam centered on the southwestern extent of the Antelope Valley, the Santa Clara River drainage, and possibly the Sierra Pelonas and the Palmdale area (Sutton 1988). The Kitanemuk inhabited the southern Tehachapi Mountains and the northern and central portion of the Antelope Valley. Finally, during the historic period, there is some evidence for the occupation of the Western Mojave by the Chemehuevi. The groups that are known to have lived in the vicinity of the proposed project area (Kitanemuk, Tataviam, Serrano, and Chemehuevi) are described in more detail below.

Robinson (1977) was also added to the list of references:

Robinson, R.W. 1977. The Prehistoric of the Antelope Valley, California: An Overview. Kern County Archaeological Society Journal 1: 43-48.

Response to Comment 10-12:

The comment notes that MBMI is looking forward to working with PWD to protect these irreplaceable resources out of respect for the ancestors of the Morongo people.

PWD acknowledges this comment and is also looking forward to working with the MBMI and other Tribal groups to protect cultural and Tribal resources in the proposed Project area.

Response to Comment 10-13:

The comment requests that CR-1: Tribal Monitoring Services Agreement be included in the EIR. The comment notes that PWD shall enter into a Tribal Monitoring Services Agreement with the MBMI for the Project. The Tribal monitor shall be on-site during all ground-disturbing activities. The Tribal monitor will have the authority to temporarily divert, redirect, or halt the ground-disturbing activities to allow identification, evaluation, and potential recovery of cultural resources.

Mitigation Measure TCR-1: Native American Resources Monitoring adequately mitigates the potential significant effects of the Project identified within the Draft EIR. Incorporation of a monitoring agreement with a specific tribe in an area where several tribes are consulting on projects does not further reduce potential environmental impacts associated with the proposed

Project. Entering into a tribal monitoring agreement with MBMI would grant priority to MBMI over the other tribes that have consulted with PWD on the Project. PWD aims to maintain open channels of communication and to work equitably with all consulting tribes for resource monitoring associated with the proposed Project, therefore, no change has been made to Mitigation Measure TCR-1: Native American Resources Monitoring.

Mitigation Measure TCR-1: Native American Resources Monitoring states that PWD will retain Tribal monitor(s) the monitoring from a California Native American Tribe that is culturally and geographically affiliated in the area within which the project component is located. If more than one Tribe is interested in monitoring a project component, PWD shall prepare a monitoring rotation schedule. The Tribal monitor(s) shall be on site during ground-disturbing activities had have the authority to halt and re-direct ground-disturbing activities in the event of a discovery until it has been assessed for significance and treatment implemented, if necessary, based on the recommendations of the Qualified Archaeologist in coordination with PWD and the Tribal monitor(s). All Tribal groups will be given the same opportunity.

Response to Comment 10-14:

The comment notes that a Qualified Archaeologist will be retain prior to any ground-disturbing activities who meets the U.S. Secretary of the Interior Standards. The Qualified Archaeologist shall be present during all ground disturbing activities to identify any known or suspected archaeological and/or cultural resources. The Qualified Archaeologist will also conduct a Cultural Resource Sensitivity Training, in conjunction with the Tribe's Tribal Historic Preservation Officer, and/or designated Tribal Representative, which will focus on the archaeological and tribal cultural resources that may be encountered during ground-disturbing activities.

As indicated in Mitigation Measure CUL-1: Cultural Resources Personnel Professional Qualifications Standards, PWD shall retain an archaeologist that meets the minimum professional qualifications set forth by the Secretary of the Interior. Mitigation Measure CUL-4: Construction Worker Cultural Resources Sensitivity Training states that the Qualified Archaeologist will implement a cultural resources sensitivity training program that will instruct all construction personnel of the types of cultural materials that may be encountered, cultural sensitivity issues, applicable laws protecting cultural resources, the proper treatment procedures to be enacted in the event of an inadvertent discovery of cultural materials or human remains, and confidentiality of discoveries. Additionally, Tribal representatives from each of the tribes consulting on the Palmdale Ditch Conversion Project shall be allowed to attend and/or participate in the training. Mitigation Measure CUL-1: Cultural Resources Personnel Professional Qualifications Standards and Mitigation Measure CUL-4: Construction Worker Cultural Resources Sensitivity Training meets the requirements of CEQA and does not require any modifications.

Response to Comment 10-15:

The comment requests that the project Archaeologist develop a Cultural Resource Management Plan and/or Archaeological Monitoring and Treatment Plan prior to any ground-disturbing

activities. The plan(s) shall be written in consultation with the consulting Tribe(s) and shall include approved Mitigation Measures/Conditions of Approval (MM/COA), contact information for all pertinent parties, parties' responsibilities, procedures for each MM/COA, and overview of the project schedule.

A Cultural Resources Monitoring Plan (CRMP) will be developed prior to the start of Project-related ground disturbance by a qualified archaeologist as indicated in Mitigation Measure CUL-5. The CRMP will discuss the monitoring protocols to be carried out during Project construction and should outline the appropriate measures to be followed in the event that cultural resources are encountered. The CRMP shall be submitted to PWD for dissemination to the Tribes consulting on the Project. Mitigation Measure CUL-5 as written meets the requirements of CEQA and Tribes will be given the opportunity to review the CRMP before PWD adopts the CRMP.

Response to Comment 10-16:

The comment offers an opinion that during all ground-disturbing activities, the Qualified Archaeologist and the Tribal Monitor shall be on-site full time. The frequency of inspections shall depend on the rate of excavation, the materials excavated, and any discoveries of Tribal Cultural Resources as defined in California Public Resources Code Section 21074. Archaeological and Tribal Monitoring will be discontinued when the depth of grading and the soil conditions no longer retain the potential to contain cultural deposits. The Qualified Archaeologist, in consultation with the Tribal Monitor, shall be responsible for determining the duration and frequency of monitoring.

Mitigation Measure CUL-5: Archaeological Resources Monitoring and Mitigation Measure TCR-1: Native American Resources Monitoring state that full time archaeological monitoring and full time Tribal monitoring shall be conducted unless the Qualified Archaeologist determines that previous disturbances have sufficiently lowered the sensitivity for encountering prehistoric archaeological resources. Mitigation Measure CUL-5: Archaeological Resources Monitoring and Mitigation Measure TCR-1: Native American Resources Monitoring as written satisfies all requirements of CEQA as on-site monitoring of the proposed Project area will be determined by Qualified Archaeologist.

Response to Comment 10-17:

The comment notes that in an event of inadvertent discovery of cultural resources is discovered during construction, the Qualified Archaeologist and the Tribal Monitor has the authority to temporarily divert and/or temporarily halt ground-disturbance operations in the area of discovery to allow for the evaluation of potentially significant cultural resources. Isolates and clearly nonsignificant deposits shall be minimally documented in the field and collected so the monitored grading can proceed.

The comment notes protocols that should be implemented if a potentially significant cultural resource(s) is discovered and includes possible treatments and dispositions of significant cultural resources in order of CEQA preference: full avoidance; if avoidance is not feasible, preservation

in place; if preservation in place is not feasible, all items shall be reburied in an area away from any future impacts and reside in a permanent conservation easement or deed restriction; if all other options are proven to be infeasible, data recovery through excavation and then curation in a curation facility that meets the Federal Curation Standards.

Mitigation Measure CUL-6: Archaeological Resources Discoveries describe the protocols in the event there is an inadvertent discovery of cultural remains in the proposed Project Area. PWD will halt work within 60 feet of any discovered cultural resources, install an environmentally sensitive area barrier, and contact a qualified archaeologist immediately for evaluation. If the Qualified Archaeologist determines that the resource is Native American, then a representative from the consulting Tribe(s) shall be contacted to participate in the evaluation of the resource. An archaeological testing will be conducted to determine eligibility for the California Register of Historical Resources or National Register of Historic Place. If the resource is eligible and impacts cannot be avoided, the Qualified Archaeologist will prepare a data recovery plan, which will be tailored to the physical nature and characteristics of the resource, pursuant to the requirements of CEQA Guidelines 15126.4(b)(3)(c). The data recovery plan shall identify data recovery excavation methods, measurable objectives, and data thresholds to reduce any significant impacts to the resource. Mitigation Measure CUL-6 as written satisfies all requirements of CEQA and provides Tribes with sufficient opportunities to evaluate the resource.

Response to Comment 10-18:

The comment notes that the MBMI request that no photographs are to be taken except by the coroner, with written approval by the consulting Tribe(s) in the event of inadvertent discovery of human remains. The comment notes specific conditions to be implemented to protect Native American human remains and/or cremations: immediate work in the vicinity shall stop within 100-foot perimeter of the discovery and area shall be protection, County Coroner has to be contacted within 24 hours of discovery and has 48 hours to make their determination pursuant to State and Safety Code Section 7050.5 and Public Resources Code Section 5097.98; County Coroner has 24 hours to notify the Native American Heritage Commission (NAHC) if the remains are Native American; the NAHC shall notify the Most Likely Descendant (MLD) and the MLD has 48 hours to inspect the site of discovery and give their recommendation; and if the MBMI has been named the MBMI, the MBMI may rebury the human remains and/or cremation and sacred items in their place of discovery with no further disturbance where they will reside in perpetuity; the place of reburial will not be disclosed to any party and is exempt from the California Public Records Act. The reburial location of human remains and/or cremations will be determined by the MLD, the landowner, and the City Planning Department.

Mitigation Measure CUL-9: Inadvertent Discovery of Human Remains as written satisfies all CEQA requirements as PWD will halt work within 100 feet of discovered human remains, contact the County Coroner, and will follow all protocols for Native American remains as designated by the California NAHC.

Response to Comment 10-19:

The comment requests that the final report(s) created as part of the proposed Project shall be submitted to the lead agency and consulting Tribe(s) for review and comment. After approval of all parties, the final reports are to be submitted to the appropriate information center, and the consulting Tribe(s).

Text in Mitigation Measure CUL-5: Archaeological Resources Monitoring on page 3.4-45 to 3.4-46 has been edited to clarify the CRMP.

Proposed Project Requirements. Archaeological monitoring shall be determined by the Qualified Archaeologist based on the results of the archaeological resources assessment conducted under CUL-3 and requires the preparation of a Cultural Resources Monitoring Plan (CRMP) prior to the start of Project-related ground disturbance. The CRMP should discuss the monitoring protocols to be carried out during Project construction and should outline the appropriate measures to be followed in the event that cultural resources are encountered and outline requirements for the final monitoring report.

Response to Comment 10-20:

The comment notes that the comment letter does not conclude consultation. Upon review of the requested measures, the MBMI Tribal Historic Preservation Officer may provide further recommendations or guidance.

PWD acknowledges the comment. As part of the AB 52 process for the proposed Project, PWD mailed letters on June 27, 2024 to representatives from each of the six tribes identified by the NAHC inviting them to consult on the proposed Project pursuant to AB 52, including the MBMI. Other Tribes consulted, but PWD did not receive a response from the MBMI Tribal Historic Preservation Officer. The deadline for Tribal consultation has passed.

CHAPTER 3. DRAFT EIR TEXT REVISIONS

Chapter 3 presents text changes to the Draft EIR that have been made in response to the comments and/or PWD self-initiated changes that amplify, clarify, or make modifications or corrections. These changes do not change the results or conclusions of the Draft EIR. Changes in the text are indicated by strikeout where text is removed and by double underline where text is added. Section numbers correspond to the section numbers of the Draft EIR.

These revisions derive from comments raised in one or more of the comment letters received by the District on the Draft EIR, or by changes made by PWD to clarify information contained in the Draft EIR.

DRAFT EIR SECTION ES.1 EXECUTIVE SUMMARY

Text in the Draft EIR in the Executive Summary on page ES-2 has been revised accordingly to provide this clarification, and reads as follows:

In addition to the Table A amount, PWD supplements Table A water with carryover water, Article 21 water, and ~~turnback pool water~~ Water Management Amendment.

Text in the Draft EIR in the Executive Summary on page ES-8 has been revised accordingly to provide this clarification, and reads as follows:

Under the Reduced Project Alternative, PWD would not purchase ~~1,000~~ 2,000 AFY of production rights from other groundwater users in the Antelope Valley Groundwater Basin.

The following rows of Table ES-2 in the Draft EIR in the Executive Summary has been revised accordingly to provide clarification, and reads as follows:

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
3.1 Aesthetics			
AES-3: In an urbanized area, conflict with applicable zoning and other regulations governing scenic quality.	PS, <u>LTS</u>	Mitigation Measure AES-1: Above, shall apply Mitigation Measure AES-2: Above, shall apply Mitigation Measure AES-3: Above, shall apply <u>No Mitigation Required</u>	<u>LSM</u> , <u>LTS</u>
3.2 Air Quality and Greenhouse Gas Emissions			
AIR-3: Expose sensitive receptors to substantial pollutant concentrations.	<u>LTS</u> , <u>PS</u>	No mitigation required. Mitigation Measure AIR-2: Above shall apply Mitigation Measure AIR-3: Above shall apply	<u>LTS</u>
3.3 Biological Resources			
BIO-1: Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS.	PS	<p>Mitigation Measure BIO-1: Habitat Assessment</p> <p>This mitigation measure is applicable to all Project components except the Palmdale Ditch Conversion project. A habitat assessment shall be conducted prior to ground-disturbing activities within 500 feet of each proposed Project component footprint. If no suitable habitat occurs to support special-status plant species, special-status wildlife species, nesting bird species, sensitive plant communities, and/or native desert vegetation, then no further mitigation is necessary. If suitable habitat occurs, implementation of Mitigation Measures BIO-2 through BIO-19 shall be required based on the resources identified.</p> <p>Mitigation Measure BIO-2: Special-Status Plant Surveys, Avoidance Measures, Mitigation and Monitoring Plan</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for special-status plant species is identified within the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall retain a qualified biologist to conduct surveys for special-status plants prior to any vegetation removal, grubbing, or other construction activity within each proposed Project component footprint. The surveys shall be floristic in nature and seasonally timed to coincide with the blooming periods of the following special-status species with potential to occur:</p> <ol style="list-style-type: none"> All Project Components except Palmdale Ditch Conversion Project: Horn's milk-vetch, Palmer's mariposa-lily, alkali mariposa-lily, white pygmy-poppy, Mojave paintbrush, short-joint beavertail, Grea's aster, Peirson's morning-glory, sagebrush loeflingia, and Robbins' nemacladus. Palmdale Ditch Conversion Project: Horn's milk-vetch, Palmer's mariposa-lily, alkali mariposa-lily, white pygmy-poppy, Mojave paintbrush, short-joint beavertail, and Grea's aster. <p>The surveys shall be conducted during the relevant target species' blooming periods no more than two years prior to construction. Special-status plant species identified on site shall be mapped onto a site-specific aerial photograph. Surveys shall be conducted in accordance with the most current CDFW and USFWS protocols. A report of the survey results shall be submitted to PWD for review and approval. If special-status plants other than western Joshua trees are detected during special-status plant surveys, the observed special-status plants shall be avoided through Project component design where feasible, and vegetation clearing within 50 feet (15 meters) of any identified special-status plant shall be conducted by hand by the construction contractor(s), if practicable. An avoidance buffer of at least</p>	LSM

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>50 feet (15 meters), or other distance as approved by a qualified biologist, shall be established around any identified special-status plants that can be feasibly avoided, and the avoidance buffer shall be delineated with bright orange protective fencing. The avoidance buffers shall be maintained for the duration of construction activities at each construction site and shall be removed only after the conclusion of all grading, clearing, and construction activities at each construction site.</p> <p>If special-status plants other than western Joshua tree are detected during special-status plant surveys and would be impacted by Project component construction, PWD shall retain a qualified restoration specialist to develop a Special-Status Plant Mitigation and Monitoring Plan that provides for the on-site or off-site replacement of the species impacted by the Project component. The Special-Status Plant Mitigation and Monitoring Plan shall specify the following:</p> <ol style="list-style-type: none"> 3. A summary of impacts; 4. The location of the mitigation site; 5. Methods for harvesting seeds or salvaging and transplanting individuals to be impacted; 6. Measures for propagating plants or transferring living plants from the salvage site to the mitigation site; 7. Site preparation procedures for the mitigation site; 8. A schedule and action plan to maintain and monitor the mitigation site; 9. Criteria and performance standards by which to measure the success of the mitigation, including replacement of impacted plants at a minimum 1:1 ratio, <u>to be determined in consultation with CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is otherwise required for the Project component</u>; 10. Measures to exclude unauthorized entry into the mitigation areas; and 11. Contingency measures such as replanting or weeding if mitigation efforts are not successful. 12. The performance standards for the Special-Status Plant Mitigation and Monitoring Plan shall be, at a minimum, the following: <ul style="list-style-type: none"> o Within five years after introducing the plants to the mitigation site, the number of established, reproductive plants shall equal the number impacted during Project component construction; and o Restoration shall be considered successful after the success criteria have been met for a period of at least two years without any maintenance or remediation activities other than invasive species control. <p>The Special-Status Plant Mitigation and Monitoring Plan shall be initiated prior to Project component construction (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation) and shall be implemented over a five-year period. The plan may also be combined with the Habitat Revegetation, Restoration, and Monitoring Program described under Mitigation Measure BIO-19.</p> <p>Annual reports discussing the implementation and management of the Special-Status Plant Mitigation and Monitoring Plan shall be submitted to PWD for review and approval. Five years after the start of the mitigation for the Project component, a final report shall be submitted to PWD for review and approval and shall, at a minimum, discuss the implementation and management of the Special-Status Plant Mitigation and Monitoring Plan over the five-year period and indicate whether the Special-Status Plant Mitigation and Monitoring Plan has been successful based on the established performance standards. Should the success criteria be met before Year Five, the mitigation effort can be deemed complete.</p>	

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		<p>Mitigation Measure BIO-3: Joshua Tree Census Survey, Avoidance, Minimization, and Compensation Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for western Joshua tree is identified within 50 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. A western Joshua tree census survey shall be conducted for that component by a qualified arborist in accordance with CDFW's Western Joshua Tree Census Instructions, which requires a census of all western Joshua trees within the Project component area and a 50-foot buffer.</p> <p>Impacts to western Joshua trees and within a minimum 50-foot buffer shall be avoided to the extent feasible. An avoidance buffer of at least 50 feet shall be established around western Joshua tree individuals that can be feasibly avoided. If a 50-foot buffer is not feasible, a reduced buffer can be established if a qualified desert native plant specialist and CDFW determine the reduced buffer would avoid direct impacts to individual western Joshua tree(s). No activities shall occur within the buffer. The avoidance buffers shall be maintained for the duration of construction activities in each work area and shall be removed only after the conclusion of all grading, clearing, and construction activities at each Project component construction site.</p> <p>For each dead or live western Joshua tree individual that cannot be avoided through Project component design, PWD shall implement one of the following measures:</p> <p>The western Joshua tree individual shall be trimmed or relocated under the guidance of a desert native plant specialist. Tree relocation shall be implemented in accordance with the following measures and CDFW-provided guidelines and relocation protocols, if made available prior to Project component construction, to assist the survival of the relocated tree:</p> <ul style="list-style-type: none"> o The relocated western Joshua tree shall be placed in a suitable location and with proper orientation to improve its survival. o The western Joshua tree shall be relocated at a time that maximizes its survival, when feasible. o A desert native plant specialist shall be on site to oversee relocation of the tree. <ul style="list-style-type: none"> • PWD shall submit payment of an in-lieu fee to CDFW pursuant to CDFW's standard mitigation fee structure for western Joshua tree in effect at the time of application for an Incidental Take Permit. The current (2024) standard mitigation fee structure is as follows: <ul style="list-style-type: none"> o Trees five meters or greater in height — \$2,500 per tree o Trees one meter or greater but less than 5 meters in height — \$500 per tree o Trees less than one meter in height — \$340 per tree <p>Mitigation Measure BIO-4: Arroyo Toad, Desert Tortoise, Tricolored Blackbird, and Least Bell's Vireo Avoidance, Minimization and Compensation Measures</p> <p>This mitigation measure is applicable to the Project components for which suitable habitat for arroyo toad, desert tortoise, tricolored blackbird, and/or least Bell's vireo is identified within 500 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1 and does not apply to the Palmdale Ditch Conversion project. Focused protocol surveys shall be conducted by a qualified biologist following the protocol outlined in the most recent USFWS and/or CDFW protocol guidelines. These currently include: 1999 Survey Protocol for the Arroyo Toad; 2018 Preparing for Any Action That May Occur Within the Range of the Mojave Desert Tortoise (<i>Gopherus agassizii</i>); 2015 Staff Guidance Regarding Avoidance of Impacts to Tricolored Blackbird Breeding</p>	

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		<p>Colonies on Agricultural Fields in 2015; and 2001 Least Bell's Vireo Survey Guidelines). If any special-status wildlife species are observed during the focused surveys, these species and their habitat shall be avoided by the proposed Project. If avoidance of the special-status wildlife species is not feasible, and special-status wildlife may be potentially impacted by the proposed Project, additional avoidance and mitigation measures will be required, such as constructing proposed Project facilities outside the breeding season, establishing a suitable buffer around known territories, and restricting activities around certain times of year. If the proposed Project results in permanent impacts to habitat occupied by special-status wildlife species, USFWS and CDFW shall be consulted to ensure compliance with the Endangered Species Act and/or requirements for avoidance, minimization, or mitigation measures (e.g., replacement of impacted occupied habitat at a minimum 1:1 ratio, <u>to be determined in consultation with USFWS and/or CDFW, as applicable</u>). If species are identified and cannot be avoided, species-specific mitigation measures included in this section shall apply as applicable.</p> <p>Mitigation Measure BIO-5: Crotch's Bumble Bee Avoidance, Minimization, and Compensation Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for Crotch's bumblebee is identified within 50 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. If Crotch's bumble bee is still considered a CESA candidate species or has been listed as threatened or endangered under CESA at the time construction of Project components commences, PWD shall implement the following avoidance, minimization, and compensation measures for this species:</p> <ul style="list-style-type: none"> A qualified biologist shall conduct a protocol-level presence/absence survey for Crotch's bumble bee in areas of the Project component site with suitable habitat during the peak active period for Crotch's bumble bee (highest detection probability) that occurs prior to the start of the Project component's initial ground disturbing activities (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). The peak active period for Crotch's bumble bee in the Project area is anticipated to be April through June given the expected desiccation of Crotch's bumble bee floral resources within the Project area by mid-summer, though this timing could depend on annual climatic factors. Survey methodology shall be based on Section 4.1.1 of CDFW's Survey Considerations for CESA Candidate Bumble Bee Species (CDFW 2023b), or the most current CDFW guidance in effect at the time. Inaccessible areas outside of the Project component site can be surveyed using binoculars from the Project component edge or from public roads. The timing of the presence/absence survey can be phased with Project component build-out, if feasible. If construction starts one year or more after the conclusion of the surveys described above, PWD shall consult with CDFW as to whether additional surveys are required and shall retain a qualified biologist to conduct additional surveys if recommended by CDFW. If Crotch's bumble bee is present, the qualified biologist shall identify the location of nests in or adjacent to the Project component site to the extent feasible. Inaccessible land adjacent to the Project component site shall be observed using binoculars. If nests are identified within the Project component site or immediately adjacent to the site, a qualified biologist shall determine the need to establish a no-disturbance buffer around the nest, where feasible, to reduce the risk of disturbance or accidental take. The buffer shall provide at least 50 feet (15 meters) of clearance around active nest entrances. If Project component 	

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		<p>activities may result in disturbance or potential take, the qualified biologist, in coordination with CDFW, shall expand the buffer zone as necessary to prevent disturbance or take. If establishment of a no-disturbance buffer is feasible, construction activities shall not occur within the buffer until a qualified biologist determines the colony is no longer active (i.e., no Crotch's bumble bees are seen flying in or out of the nest for three consecutive days, indicating the colony has completed its nesting season and the next season's queens have dispersed from the colony). Once the nest has been determined to be inactive, construction activities within the no-disturbance buffer(s) shall be allowed to resume. Otherwise, the no-disturbance buffer shall be maintained for the duration of Project component construction activities in each work area and shall be removed only after the conclusion of all grading, clearing, and construction activities at each construction site.</p> <ul style="list-style-type: none"> If establishment of a no-disturbance buffer and/or avoidance of the nest is not feasible, the qualified biologist shall consult with CDFW regarding potential encroachment into the no-disturbance buffer and for Project component activities that may result in take of Crotch's bumble bee. If Crotch's bumble bee is determined to be present on the Project component site, floral resources associated with the species that will be removed or damaged by Project component activities in the areas of the Project component site where Crotch's bumble bee is detected and documented shall be replaced at a <u>minimum</u> 1:1 ratio <u>to be determined in consultation with CDFW as part of the Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component</u>. Planning and implementation of suitable habitat replacement may be integrated into the Habitat Revegetation, Restoration, and Monitoring Program described under Mitigation Measure BIO-19. <p>Mitigation Measure BIO-6: Burrowing Owl Breeding Season Survey and Foraging Habitat Mitigation</p> <ul style="list-style-type: none"> This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for burrowing owl is identified within 500 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall retain a qualified biologist to conduct focused breeding season surveys for burrowing owl in accordance with the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012), or the most current CDFW guidance in effect at the time. Surveys shall be conducted during the burrowing owl breeding season immediately prior to the start of Project component construction. The focused surveys shall be conducted by a qualified biologist in the portions of the Project component site with suitable burrowing owl habitat plus a 500-foot buffer (burrowing owl survey area). The surveys shall be conducted in the morning or evening to evaluate the presence/absence of burrowing owl during the nesting season. All potential burrowing owls and burrows with burrowing owl sign shall be recorded using a GPS unit capable of submeter accuracy. Observations shall be conducted to determine if individual owls and/or nesting pairs are present and their status/disposition (e.g., late winter migrant, actively nesting, single individual not nesting). Representative photos of the habitat, potential and occupied burrows, and vegetation within the burrowing owl survey area shall be taken and included as an appendix to the survey report. All vertebrate fauna detected in the burrowing owl 	

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		<p>survey area shall be recorded in field notes. Inaccessible areas of the burrowing owl survey area outside the Project component site shall be surveyed using binoculars and/or spotting scopes to determine if owls are present.</p> <ul style="list-style-type: none"> o A survey report shall be prepared that includes survey methodology, survey results, an analysis of potential Project component impacts to actively nesting pairs, and a calculation of the compensatory mitigation for foraging habitat, if impacted. Late winter migrants and non-nesting individuals located outside of the Project component impact area shall not require habitat mitigation unless passive relocation is necessary. Maps showing burrow locations, a delineation of suitable habitat areas, and burrowing owls observed shall be included in the survey report. o If actively breeding owls are observed within 500 feet of Project component activities, PWD shall implement compensatory mitigation for impacts to foraging habitat based on the following methodology: <ul style="list-style-type: none"> • A 500-foot buffer shall be established around each active nest burrow to indicate the primary foraging habitat area for each nesting pair. • Permanent Project component disturbance areas shall be overlain onto the foraging buffer zone(s) to calculate the area(s) of habitat loss. • Permanent foraging habitat loss shall be mitigated at a 1:1 ratio. <ul style="list-style-type: none"> o Compensatory mitigation for loss of foraging habitat shall be implemented on- or off-site and may include purchase of Conservation Bank credits, payment of an in-lieu fee to benefit burrowing owl, or permanent conservation and management of burrowing owl habitat through the recordation of a conservation easement, funding of a non-wasting endowment, and/or implementation of a Mitigation Land Management Plan based on the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012). Mitigation lands shall be identified through coordination with CDFW on, adjacent, or proximate to the impact site where practicable and where habitat is suitable to support burrowing owl. <p>Mitigation Measure BIO-7: Burrowing Owl Pre-Construction Clearance Survey And Occupied Burrow Avoidance And Minimization Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for burrowing owl is identified within 500 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall retain a qualified biologist to conduct a pre-construction burrowing owl clearance survey of areas within the Project component site and a 500-foot buffer that contain suitable burrowing owl habitat to confirm presence/absence of burrowing owl individuals no more than 14 days prior to start of construction in each work area. The survey methodology shall be consistent with the methods outlined in the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012). If no active breeding or wintering owls or evidence of occupied habitat is identified, then Project component construction in the work area may begin, and no further action is required.</p> <p>If active breeding or wintering owls or evidence of occupied habitat is detected in the Project component work area or within a 500-foot buffer, PWD shall implement the following measures for mitigation of potential burrowing owl presence in the Project area in accordance with the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012):</p> <ul style="list-style-type: none"> • A qualified biologist shall be present on site during initial ground disturbing activities in 	

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>potential burrowing owl habitat identified in the habitat assessment.</p> <ul style="list-style-type: none"> Occupied burrows shall not be disturbed during the nesting season (February 1 to August 31). No ground disturbing activities shall be permitted within a buffer no less than 656 feet (200 meters) from an active burrowing owl burrow during the breeding season, depending on the level of disturbance, unless the qualified biologist determines a reduced buffer would not adversely affect the burrowing owl(s). During the nonbreeding (winter) season (September 1 to January 31), ground disturbing work can proceed near active burrowing owl burrows at the discretion of the qualified biologist as long as the work occurs no closer than 165 feet (50 meters) from the burrow, depending on whether the level of disturbance is low and if the active burrow is not directly affected by the Project component activity. A smaller/larger buffer may be established by the qualified biologist following monitoring and assessment of the Project component's effects on the burrowing owl(s). If active winter burrows are found that would be directly affected by ground disturbing activities, owls can be excluded from winter burrows according to recommendations in the Staff Report on Burrowing Owl Mitigation (CDFW 2012). The qualified biologist shall prepare a passive relocation program in accordance with Appendix E (Example Components for Burrowing Owl Artificial Burrow and Exclusion Plans) of the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012) and submit the passive relocation program to PWD and CDFW for review and approval prior to the commencement of ground disturbance activities. If required, a compensatory mitigation agreement shall be developed in coordination with CDFW prior to passive relocation of owls. Smaller non-disturbance buffers may be permitted in the winter (and sometimes breeding season) for the burrowing owl individuals if a noise and visual barrier, such as hay bale walls, is installed between the occupied burrowing owl burrow and construction activities, as long as the qualified biologist determines the reduced buffer will provide adequate protection. When a qualified biologist determines burrowing owls are no longer occupying the Project component site and passive relocation is complete, ground disturbing activities may begin. A final letter shall be prepared by a qualified biologist documenting the results of the passive relocation. The letter shall be submitted to CDFW. <p>Mitigation Measure BIO-8: Swainson's Hawk Avoidance And Minimization Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for Swainson's hawk is identified within 0.5-mile of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. Construction activities shall be limited to the period between September 16 and February 28 to the extent feasible. If construction activities cannot be completed within this timeframe, PWD shall retain a qualified biologist(s) with Swainson's hawk survey experience to conduct a Swainson's hawk nest survey within the Project component site and a 0.5-mile buffer during the nesting season immediately prior to the commencement of Project component construction. While the proposed Project does not propose to construct renewable energy facilities, nest survey methods and timing shall follow those outlined in the CEC and CDFW protocol for the Antelope Valley (CDFW 2010) with the exception that the nest survey shall occur within a 0.5-mile buffer of the Project component site. A report</p>	

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		<p>documenting results of the survey shall be prepared and submitted to PWD for review and approval prior to commencement of Project component activities. If no Swainson's hawk nests are documented within 0.5 mile of the Project area, no additional action shall be required.</p> <p>If an active Swainson's hawk nest is detected within 0.5 mile of the Project component site, PWD shall implement the following measures:</p> <ul style="list-style-type: none"> Retain a qualified biologist to prepare a Swainson's Hawk Nest Monitoring and Mitigation Plan that incorporates the following measures to avoid and minimize impacts to Swainson's hawk nests in and near the construction areas during the breeding season (March 1 to September 15): <ul style="list-style-type: none"> If nesting Swainson's hawks are detected within 0.5 mile of Project component activities during the breeding season, CDFW shall be consulted regarding the establishment of a no-disturbance buffer to avoid impacts to the active nest. Construction activities shall maintain a 0.25-mile no-disturbance buffer around an active nest unless a reduced buffer is approved in consultation with the qualified biologist and CDFW. If construction activities are necessary within the buffer zone, PWD shall consult with CDFW as to the potential for take. Monitoring of the nest site by a qualified biologist and funding of Swainson's hawk recovery efforts may be necessary. If a hawk is found injured during Project component activities on the Project component site, the injured hawk shall be immediately relocated to a raptor recovery center approved by CDFW. The qualified biologist shall notify CDFW personnel via telephone or email, followed by a written report that includes the date, time, location, and circumstances of the incident. <p>PWD and its construction contractor(s) shall implement the provisions of the Swainson's Hawk Nest Monitoring and Mitigation Plan. A report documenting measures taken to avoid and minimize impacts to Swainson's hawk nests shall be prepared by the qualified biologist following the completion of Project component construction and submitted to PWD for review and approval.</p> <p>Mitigation Measure BIO-9: Mohave Ground Squirrel Avoidance and Minimization Measures.</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for Mohave ground squirrel is identified within 50 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall retain a qualified biologist to conduct a focused habitat assessment (visual survey) of the Project component site following the CDFW's Mohave Ground Squirrel Survey Guidelines (CDFW 2023c) to assess the potential habitat suitability for the species. If suitable habitat is identified, protocol live-trapping surveys shall be conducted in areas of suitable habitat to assess the potential presence and relative abundance of Mohave ground squirrel within the Project component site. Pursuant to the protocol outlined in the Mohave Ground Squirrel Survey Guidelines, trapping surveys shall take place over three terms in specific timing windows in the period of March 15 and July 15 immediately prior to commencement of Project component activities. If construction starts one year or more after the conclusion of surveys, PWD shall consult with CDFW as to whether additional surveys are required and shall retain a qualified biologist to conduct additional surveys if recommended by CDFW. Findings of the habitat assessment and live-trapping surveys shall be documented in a report that also details survey methodology, timing, and surveyor qualifications. If no Mohave ground squirrels are discovered</p>	

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		<p>during the protocol surveys, no further action is required.</p> <p>If Mohave ground squirrels are observed during the surveys, PWD shall retain a qualified biologist to develop a Mohave ground squirrel biological monitoring plan, in coordination with CDFW, that includes measures to avoid, minimize, and/or mitigate potential impacts as a result of Project component activities, including, but not limited to:</p> <ul style="list-style-type: none"> • A qualified biologist shall conduct pre-construction clearance surveys for Mohave ground squirrel no more than 30 days prior to the start of any ground-disturbing activities in areas of the Project component site that contain suitable habitat for the species, as documented in the Mohave ground squirrel habitat assessment and survey report. The survey shall cover 100 percent of the anticipated impact area intersecting suitable Mohave ground squirrel habitat and a 50-foot buffer (survey area). A qualified biologist shall document locations of potential Mohave ground squirrel burrows. A 50-foot no-disturbance buffer shall be established around suspected or known Mohave ground squirrel burrows. Project component activities shall not be conducted within the no-disturbance buffer unless at the discretion of the qualified biologist. A report documenting the results of the survey, locations of suspected or known Mohave ground squirrel burrows, and recommended no-disturbance buffers shall be submitted to PWD for review and approval prior to commencement of Project component activities in the survey area. • If burrows are identified during the survey that are suspected or known to be occupied by Mohave ground squirrel and cannot be avoided, the qualified biologist shall prepare a Mohave Ground Squirrel Relocation Plan outlining measures to relocate individual Mohave ground squirrels prior to construction start. The plan shall be submitted to PWD and CDFW for review and approval and shall be implemented prior to commencement of Project component activities in work areas with suspected or known Mohave ground squirrel burrows. The Plan shall outline measures for burrow excavation, handling of individuals, identification of proposed relocation areas, and release of relocated individuals after the conclusion of all grading, clearing, and construction activities. A report documenting relocation activities and outcomes shall be prepared by the qualified biologist and submitted to PWD and CDFW for review and approval after completion of relocation activities. <u>The Plan shall also detail restoration of and/or compensatory mitigation at a minimum 1:1 ratio of occupied Mohave ground squirrel habitat that is temporarily or permanently impacted by the Project activities if required by CDFW as part of the Incidental Take Permit process pursuant to CEGC Section 2081 for the Project component.</u> <p>Within occupied Mohave ground squirrel habitat (as determined by the results of the focused habitat assessment and live trapping survey results as well as the pre-construction clearance survey results), the area of disturbance of vegetation and soils shall be the minimum required for the Project component. Clearing of vegetation and grading shall be minimized. Wherever practicable, rather than clearing vegetation and grading access routes, equipment and vehicles shall use existing surfaces or previously disturbed areas. Where grading is necessary, surface soils shall be stockpiled and replaced following construction. To the extent practicable, disturbance of shrubs and surface soils due to stockpiling shall be minimized. A qualified biologist shall monitor Project component activities during initial ground disturbance in suitable Mohave ground squirrel habitat. The qualified biologist shall work with the construction foreman and crew to implement and</p>	

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		<p>achieve compliance with the Mohave ground squirrel biological monitoring plan prepared for the Project component.</p> <p>Mitigation Measure BIO-10: Roosting Bats Avoidance And Minimization Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for special-status bats is identified within the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall implement the following measures for special-status roosting bats:</p> <ul style="list-style-type: none"> To the extent feasible, demolition or disturbance of suitable bat roosting habitat (e.g., live and dead trees, rock outcrops) shall be scheduled between October 1 and February 28, outside of the maternity roosting season. If suitable roost trees must be encroached during the maternity season (March 1 to September 30) or structures must be removed at any time of the year, PWD shall retain a qualified bat specialist to conduct a pre-construction survey no more than seven days prior to the start of Project component construction in a given work area to identify those trees or structures proposed for disturbance that could provide hibernacula or nursery colony roosting habitat for bats. The trees or structures shall be closely inspected by the bat specialist to determine the presence or absence of roosting bats. If potentially suitable hibernacula or nursery colony roosting habitat for bats is not present in areas anticipated to be directly impacted by Project component activities, no additional action is required. Trees or structures determined to be maternity roosts shall be left in place until the end of the maternity season (March 1 to September 30). Any structure containing a hibernating colony shall be left in place until a qualified bat specialist determines the bats are no longer hibernating. If bats are not detected, but the bat specialist determines roosting bats may be present at any time of year, trees or structures shall be brought down in a controlled manner using heavy machinery. To ensure the optimum warning for any roosting bats that may still be present, the trees or structures shall be nudged lightly two to three times, with a pause of approximately 30 seconds between each nudge to allow bats to become active. Trees or structures may then be pushed to the ground slowly under the supervision of a qualified bat specialist. Felled trees shall remain in place until they are inspected by a bat specialist. Trees that are known to be bat roosts shall not be sawed up or mulched immediately. A period of at least 48 hours shall elapse prior to such operations to allow bats to escape. The bat specialist shall document all demolition monitoring activities and prepare a summary report for review and approval by PWD upon completion of tree disturbance or structure demolition activities. In exceptional circumstances, such as when roosts cannot be avoided and bats cannot be evicted by non-invasive means, it may be necessary to capture and transfer the bats to appropriate natural or artificial bat roosting habitat in the surrounding area. Bats raising young or hibernating shall not be captured and relocated. Capture and relocation shall be performed by a qualified bat specialist in coordination with CDFW requirements and shall be subject to approval by CDFW. If confirmed occupied or formerly occupied bat roosting habitat is destroyed during Project component construction, the bat specialist shall determine the need for artificial bat roosts based on the availability and condition of suitable bat roosts in the immediate 	

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		<p>vicinity of the Project component site. If artificial bat roosts are deemed necessary due to a potential lack of suitable bat roosts in the area, the artificial roosts shall be of comparable size and quality and shall be constructed and maintained at a suitable undisturbed area. The design and location of the artificial bat roosts shall be determined by the bat specialist in consultation with CDFW and pursuant to the following standards:</p> <ul style="list-style-type: none"> o A monitoring plan shall be prepared for the replacement roosts, which shall include performance standards for the use of the replacement roosts by the displaced species, as well as provisions to prevent harassment, predation, and disease of relocated bats. The performance standards shall consider the location and condition of habitat where replacement roosts are placed and shall be sufficient to serve the number of bats estimated to be displaced by Project component impacts to suitable roosting habitat. Annual reports detailing the success of roost replacement and bat relocation shall be prepared and submitted to PWD and CDFW for five years following relocation. If artificial roosts are not in use by the third year of monitoring, PWD shall consult with CDFW as to larger trends in bat populations in the area that may be affecting roost use and/or determine if adjustments to roost location or design are needed. <p>Mitigation Measure BIO-11: Woodrat Midden Avoidance And Minimization Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for special-status woodrat species is identified within 10 feet of the Project component site during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. PWD shall retain a qualified biologist to conduct a pre-construction survey for active woodrat middens in and adjacent to areas anticipated for ground disturbance or vegetation removal in the Project component site within 30 days prior to initial site disturbance at each construction site. A report documenting pre-construction survey results, including the location of any active woodrat middens, shall be submitted to PWD for review and approval. If no active woodrat middens are observed during the pre-construction survey, no additional action shall be required.</p> <p>All occupied woodrat middens shall be mapped and flagged for avoidance to the extent feasible, with a minimum 10-foot buffer surrounding the active midden. If avoidance is not feasible, middens shall be "daylighted" by a qualified biologist one night before anticipated vegetation removal or ground disturbance within each construction site to allow for the rats to escape and passively relocate prior to disturbance of the area. A brief report documenting the passive relocation actions taken shall be submitted to PWD for review and approval prior to commencement of Project component construction activities within 10 feet of the active woodrat middens.</p> <p>Mitigation Measure BIO-12: Preconstruction Surveys For Special-Status Wildlife Species</p> <p>PWD shall implement the following preconstruction surveys for special-status wildlife species:</p> <ul style="list-style-type: none"> • All Project Components except Palmdale Ditch Conversion Project: If suitable habitat for any special-status wildlife species with the potential to occur (e.g., western pond turtle, Northern California legless lizard, California legless lizard, California glossy snake, coast horned lizard, two-striped gartersnake, pallid bat, Townsend's big-eared bat, San Diego desert woodrat) is identified during the habitat assessment conducted pursuant to 	

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		<p>Mitigation Measure BIO-1, pre-construction surveys shall be required prior to ground-disturbing activities. If any of these species are identified on or near construction areas during the preconstruction survey, Mitigation Measures BIO-13 through BIO-16 shall be implemented. Additional avoidance measures may include establishing a buffer around the species or host plants if a population of a special-status species is observed.</p> <ul style="list-style-type: none"> Palmdale Ditch Conversion Project: PWD shall retain a qualified biologist to conduct a pre-activity clearance survey for special-status reptile species no more than seven days prior to commencement of ground or vegetation disturbing activities at each work area within the Palmdale Ditch Conversion project site. The pre-activity survey shall utilize methods to detect special-status reptile species with potential to occur at the site. Prior to commencement of Palmdale Ditch Conversion project construction activities at each work area, the methods and results of the surveys and, if a special-status reptile species is found, recommended species-specific avoidance and/or relocation measures, shall be submitted in a report for review and approval by PWD, and implemented during construction activities. These measures may include, but would not be limited to, the qualified biologist conducting a sweep of the proposed impact areas before the daily start of construction in each work area in the locations where special-status reptile individuals were observed during the pre-construction survey, or have moderate or high potential to occur based on habitat suitability as determined by the qualified biologist, and avoidance of work in the sweep areas until the qualified biologist confirms special-status reptiles are not present, or if present, until they have moved out of harm's on their own, as determined by the qualified biologist, or have been moved out of harm's way to adjacent suitable habitat by the qualified biologist. <p>Mitigation Measure BIO-13: General Best Management Practices. This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which special-status wildlife species are identified during the pre-construction survey conducted pursuant to Mitigation Measure BIO-12 and/or for which protected oak trees, oak woodlands, California juniper, or native desert vegetation may be impacted. PWD shall require construction contractor(s) and their personnel to adhere to the following general BMPs during construction:</p> <ul style="list-style-type: none"> Construction-related vehicles shall observe a 10-mile-per-hour speed limit within the unpaved limits of construction. All open trenches or excavations shall be fenced and/or sloped to prevent entrapment of wildlife species. All food-related trash items such as wrappers, cans, bottles, and food scraps generated during construction shall be disposed of in closed containers only and removed daily from the construction site. No deliberate feeding of wildlife shall be allowed. No pets shall be allowed on the construction site. No firearms shall be allowed on the construction site. Vehicle or equipment maintenance shall be performed in designated staging areas. Access to the construction area outside of established work hours for the proposed Palmdale Ditch Conversion project shall be prohibited. If construction must occur at night (i.e., between dusk and dawn), all lighting shall be 	

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		<p>shielded and directed downward to minimize the potential for glare or spillover.</p> <ul style="list-style-type: none"> During construction, heavy equipment shall be operated in accordance with standard BMPs. All equipment used on-site shall be properly maintained to avoid leaks of oil, fuel, or residues. Provisions shall be in place to remediate accidental spills. While encounters with special-status species are not anticipated, any worker who inadvertently injures or kills a special-status species or finds one dead, injured, or entrapped shall immediately report the incident to the construction foreman or biological monitor (required under Mitigation Measure BIO-16). The construction foreman or biological monitor shall immediately notify PWD. <p>Mitigation Measure BIO-14: Work Limit Delineation</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which special-status wildlife species are identified during the pre-construction survey conducted pursuant to Mitigation Measure BIO-12 and/or for which protected oak trees, oak woodlands, California juniper, or native desert vegetation may be impacted. PWD shall clearly identify work area limits on design and construction plans and shall require its construction contractor(s) to delineate and clearly mark approved construction work area limits with flagging or temporary orange construction fencing in the field prior to initial ground disturbing activities (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). The marked boundaries shall be maintained for the duration of construction activities in each work area and shall be clearly visible to personnel on foot and by heavy equipment operators. Fencing or other barriers shall be placed on the impact side of the work area limit (i.e., within the construction site boundaries) to reduce the potential for encroachment and additional vegetation loss within adjacent open space. Fencing shall be installed pursuant to the approved construction and grading plans. Prior to initial ground disturbing activities (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation), the biological monitor (if required under Mitigation Measure BIO-16) shall verify the limits of construction have been properly staked and are readily identifiable. Employees shall strictly limit their activities and vehicles to the designated construction area, staging areas, and routes of travel. Intrusion by unauthorized vehicles outside of construction limits shall be prohibited, with control exercised by an on-site foreman. All temporary fencing shall be removed only after the conclusion of all grading, clearing, and construction activities at each construction site.</p> <p>Mitigation Measure BIO-15: Construction Worker Environmental Awareness Program</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which special-status wildlife species are identified during the pre-construction survey conducted pursuant to Mitigation Measure BIO-12 and/or for which protected oak trees, oak woodlands, California juniper, or native desert vegetation may be impacted. PWD shall retain a qualified biologist to conduct a preconstruction Worker Environmental Awareness Program (WEAP) training for all personnel working on the Project component. The WEAP shall aid workers in recognizing special-status species and regulated biological resources known to occur (e.g., western Joshua trees, sensitive natural communities, jurisdictional waters or wetlands) or potentially occurring on the Project component site (as determined by the preconstruction survey conducted pursuant to Mitigation Measure BIO-12 and the qualified biological monitor identified in Mitigation Measure BIO-16 and as confirmed by the results of the focused surveys conducted pursuant to Mitigation Measures</p>	

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		<p>BIO-2 through BIO-11) and focus on conditions and protocols necessary to avoid and minimize potential impacts to biological resources. All personnel associated with construction of the Project component shall attend the WEAP training prior to initiation of construction activities (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). The training shall include information about the special-status species potentially occurring within the Project component site, identification of special-status species and habitats, a description of the regulatory status and general ecological characteristics of special-status resources, and a review of the limits of construction and measures required to avoid and minimize impacts to biological resources within the work area. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction. All employees working at the Project component construction site shall sign a form provided by the trainer documenting they have attended the WEAP and understand the information presented to them. The signed form shall be provided to PWD as documentation of training completion. The crew foreman shall be responsible for ensuring crew members adhere to the guidelines and restrictions designed to avoid impacts to special-status species and other regulated biological resources. If new personnel are brought onto the Project component after completion of the initial WEAP training, the training shall be conducted for all new personnel before they can participate in Project component construction activities. Construction personnel shall be instructed to not directly harm any special-status species on site by halting activities until the species can move to off-site areas or contact a qualified biologist to move the species out of harm's way, if appropriate.</p> <p>Mitigation Measure BIO-16: Qualified Biological Monitor</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which special-status wildlife species are identified during the pre-construction survey conducted pursuant to Mitigation Measure BIO-12 and/or for which protected oak trees, oak woodlands, California juniper, or native desert vegetation may be impacted. PWD shall retain a qualified biological monitor with relevant experience with the taxa and species in the Antelope Valley desert and mountain foothills for which pre-construction surveys, monitoring, or other support is required during Project component construction (potentially including, but not limited to, special-status plants, Northern California legless lizard, coast horned lizard, raptors, nesting birds, roosting bats, woodrats, and those special-status species with potential to occur based on the results of pre-activity and focused surveys conducted prior to Project component initiation in accordance with Mitigation Measures BIO-2 through BIO-12 and Mitigation Measure BIO-17). The qualified biologist role may be satisfied by one or more individuals depending on qualifications and experience with one or more species and taxa. The qualified biologist shall be present during initial ground disturbance or vegetation removal activities and shall have the authority to temporarily stop work if one or more special-status species are observed that may be impacted by Project component activities. The biologist shall relocate special-status amphibian, reptile, or mammals present within anticipated Project component impact areas to suitable undisturbed habitat outside the areas directly and indirectly affected by construction activities. The biologist shall hold the requisite incidental take permits or authorizations for the capture and handling of the species, if applicable. The biologist shall recommend measures to ensure compliance with avoidance and minimization measures, applicable permit conditions, and conditions required for observed special-status species. When the biologist is present on site, they shall be responsible for:</p> <ul style="list-style-type: none"> • Verifying Project compliance with environmental mitigation measures and requirements; 	

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		<ul style="list-style-type: none"> Establishing lines of communication and reporting methods in coordination with the construction crew foreman and PWD; Conducting pre-construction clearance sweeps for special-status species and nesting birds, as needed; Documenting special-status species observations; Recommending preventative or protective actions to avoid and minimize potential Project impacts to regulated biological resources where feasible; Recommending actions to be taken in the event of non-compliance; and Daily and weekly reporting of compliance. <p>Monitoring logs documenting the above shall be submitted to PWD for review and approval for the duration of Project component construction.</p> <p>Mitigation Measure BIO-17: Nesting Bird Surveys And Avoidance And Minimization Measures</p> <p>This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for nesting birds is identified during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. Project component construction activities shall occur outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must commence within the bird breeding season, PWD shall retain a qualified biologist to conduct a pre-construction nesting bird survey within the disturbance footprint plus a <u>minimum buffer of 100 feet to a maximum buffer of 500 feet depending on species, work activity, and existing ambient conditions. 400-foot buffer (300 feet for raptors), where feasible</u>, no more than seven days prior to initiation of ground disturbance (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation) in each work area. If the Project component is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if initiated during the bird breeding season.</p> <p>Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A brief report of the nesting bird survey results, if applicable, shall be submitted to PWD for review and approval prior to ground disturbance and/or vegetation removal activities.</p> <p>If no nesting birds are observed during pre-construction surveys, no further action is required. If nests are found, an appropriate avoidance buffer of up to 300 feet ranging in size from 25 to 50 feet for passerine (perching birds) nests and up to 500 300 feet for active, non-listed raptor nests (depending on the species and the proposed work activity) shall be determined by the qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. No construction activity shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If Project component activities must occur within the buffer, they shall only be conducted at the discretion of the qualified biologist.</p> <p>Mitigation Measure BIO-18: Invasive Plant Species Control Measures</p> <p>For the Palmdale Ditch Conversion project and other Project components for which protected oak trees, oak woodlands, California juniper, or native desert vegetation may be impacted, PWD shall require the construction contractor(s) and their construction personnel to ensure equipment is free of</p>	

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		<p>invasive plant seeds, propagules, and any material which may contain them (e.g., soil). For purposes of this mitigation measure, invasive plant species shall include all species with a California Invasive Plant Council rating of moderate or high. Prior to entering the construction site, equipment shall be inspected to confirm it is free of mud, dirt, and debris. Tire track stations shall be installed at construction site entrances and exits. Staging areas and access routes shall avoid weed infestations, and infestations within the work area(s) shall be flagged and avoided to the maximum extent feasible. Only certified weed-free materials (e.g., fiber rolls, straw, and fill) shall be used during construction.</p> <p>Mitigation Measure BIO-19: Sensitive Natural Communities And Jurisdictional Features Avoidance, Minimization Measures</p> <p>Sensitive natural communities and jurisdictional features identified for avoidance within the Project component site shall be demarcated using brightly colored flagging, as necessary, and avoided to the extent feasible during Project component construction. The marked boundaries shall be maintained for the duration of Project component construction activities in each work area and shall be clearly visible to personnel on foot and by heavy equipment operators. Construction personnel shall be instructed to avoid these areas as much as feasible. All temporary flagging shall be removed only after the conclusion of all grading, clearing, and construction activities at each construction site. Compliance with this measure shall be documented in the biological monitoring reporting, if required under Mitigation Measure BIO-16.</p> <p>In addition, PWD shall require its construction contractor(s) and their personnel to implement the following measures:</p> <ul style="list-style-type: none"> Any material/spoils generated from construction shall be located away from sensitive natural communities and jurisdictional features and protected from stormwater run-off using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate. Materials, hand-held equipment and other non-heavy or non-vehicle equipment shall be stored on impervious surfaces or plastic ground covers to prevent any spills or leakage from contaminating the ground and generally at least 50 feet from sensitive natural communities and jurisdictional areas. Any spillage of material shall be stopped if it can be done safely. The contaminated area shall be cleaned, and any contaminated materials shall be properly disposed of. For all spills, the Project foreman and biological monitor (if required under Mitigation Measure BIO-16) shall be notified. <p>If impacts to sensitive natural communities cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Mitigation may take the form of permittee-responsible, on-site or off-site mitigation or the purchase of credits from an approved mitigation bank or through applicant-sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is required for the Project component. If on-site or off-site restoration would occur, PWD shall retain a qualified biologist to develop a Habitat Revegetation, Restoration, and Monitoring Program and submitted for CDFW approval prior to the commencement of Project component construction (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). At a minimum, the</p>	

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		<p>program shall include the following:</p> <ul style="list-style-type: none"> • <u>A description of the purpose and goals of the restoration</u> • <u>Identification of success criteria and performance standards</u> • <u>Methods of site preparation, including topsoil salvage and replacement procedures</u> • <u>Irrigation plan and schedule</u> • <u>Best Management Practices (BMPs)</u> • <u>Maintenance and monitoring program</u> • <u>Adaptive management strategies</u> • <u>Key stakeholders and responsible parties</u> • <u>Funding</u> • <u>Contingencies</u> <p>Mitigation Measure BIO-20: Aquatic Resources Delineation and Compensatory Mitigation</p> <p>An aquatic resources delineation shall be conducted to determine the limits of potential jurisdictional aquatic resources within the vicinity of proposed Project components. The results of the aquatic resources delineation shall be used during proposed Project component design to determine if aquatic resources can be avoided. If aquatic resources can be avoided, then no compensatory measures are necessary. Avoidance of aquatic resources within Project component sites shall be implemented according to Mitigation Measure BIO-19.</p> <p>If impacts to jurisdictional waters and wetlands cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Compensatory mitigation for impacts to the jurisdictional extents of the Palmdale Ditch shall be provided at a minimum 0.5:1 ratio given the Ditch's altered hydrology as a manmade structure constructed entirely in uplands that is artificially lined in a number of areas (concrete, synthetic liner, elevated flume) and its controlled flow that fluctuates in quantity and timing from year to year depending on annual climatic conditions and available water supply in Little Rock Reservoir. Compensatory mitigation for impacts to other jurisdictional waters and wetlands shall be provided at a minimum 1:1 ratio, unless a higher ratio is required by Lahontan RWQCB, CDFW, and/or USACE. Mitigation may take the form of permittee-responsible, on-site or off-site mitigation or the purchase of credits from an approved mitigation bank. If on-site or off-site mitigation is proposed, a Compensatory Mitigation Plan shall be prepared that outlines the compensatory mitigation in coordination with the Lahontan RWQCB, CDFW, and/or USACE. If on-site mitigation is proposed, the Compensatory Mitigation Plan can be integrated with the Habitat Revegetation, Restoration, and Monitoring Program described in Mitigation Measure BIO-19 and shall identify those portions of the site, such as relocated drainage routes, that contain suitable characteristics (e.g., hydrology) for restoration. Determination of mitigation adequacy shall be based on comparison of the restored habitat with similar, undisturbed habitat in the site vicinity. The Compensatory Mitigation Plan shall include remedial measures if performance criteria are not met. If the Compensatory Mitigation Plan is not integrated with the Habitat Revegetation, Restoration, and Monitoring Program described in Mitigation Measure BIO-19, the same reporting requirements shall apply for monitoring and evaluation of Compensatory Mitigation Plan implementation as detailed in Mitigation Measure BIO-19.</p> <p>If off-site mitigation is proposed, off-site land shall be preserved through a deed restriction or conservation easement and the Compensatory Mitigation Plan shall identify an approach for funding assurance for the long-term management of the conserved land.</p>	

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BIO-2: The proposed project could have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS.	PS	<p>Mitigation Measure BIO-21: Groundwater-Dependent Ecosystems</p> <p>If the proposed Project (particularly rehabilitation of groundwater wells 6A, 15, 18, 19, 30, and/or 33 and/or replacement wells) is in proximity to mapped groundwater dependent ecosystems (GDEs), then representative groundwater monitoring stations shall be installed within GDEs to track groundwater levels and vegetation responses over time. Prior to implementation of the proposed Project, the GDEs that may potentially be affected by the proposed Project shall be mapped to identify the baseline conditions, including the extent of vegetation communities (e.g., via vegetation mapping on the ground and via remote sensing) and composition of vegetation (e.g., percent cover via transects on the ground) that comprises each vegetation community. Baseline data shall be collected, and long-term monitoring shall be conducted for areas of potential affect as well as representative control sites with similar conditions (to account for other variables, such as changes in climate, precipitation, etc.). Thresholds for changes in vegetation over time shall be established prior to proposed Project implementation (e.g., greater than 20 percent vegetation decline that correlates with increased pumping and decreased groundwater levels). Monitoring shall be conducted for a minimum 5-year period following any increase in groundwater pumping that is beyond the existing range of pumping currently conducted (i.e., prior to the Project) for the life of the proposed Project. If there is no impact to GDEs, then no further mitigation is necessary.</p> <p>If GDEs are impacted by the proposed Project, then adaptive management measures shall be implemented to reduce pumping to changes in vegetation to allow for re-establishment of vegetation communities to pre-existing conditions, which will be determined by monitoring for a minimum of an additional three years or until pre-existing conditions (i.e., both groundwater monitoring well levels and GDE vegetative cover) are obtained. Alternatively, if adaptive management measures cannot be implemented to reduce pumping and re-establish pre-existing conditions, then mitigation for permanent impacts to GDEs would include:</p> <p>On- and/or off-site creation, restoration, and/or enhancement of in-kind GDE habitat at a ratio no less than 1:1 for permanent impacts. Off-site creation, restoration, and/or enhancement at a ratio no less than 1:1 may include the purchase of mitigation credits at an off-site mitigation bank or in-lieu fee program.</p> <p>Mitigation Measure BIO-19: Above, shall apply Sensitive Natural Communities And Jurisdictional Features Avoidance, Minimization Measures</p> <p>Sensitive natural communities and jurisdictional features identified for avoidance within the Project component site shall be demarcated using brightly colored flagging, as necessary, and avoided to the extent feasible during Project component construction. The marked boundaries shall be maintained for the duration of Project component construction activities in each work area and shall be clearly visible to personnel on foot and by heavy equipment operators. Construction personnel shall be instructed to avoid these areas as much as feasible. All temporary flagging shall be removed only after the conclusion of all grading, clearing, and construction activities at each construction site. Compliance with this measure shall be documented in the biological monitoring reporting, if required under Mitigation Measure BIO-16.</p> <p>In addition, PWD shall require its construction contractor(s) and their personnel to implement the following measures:</p> <ul style="list-style-type: none"> Any material/spoils generated from construction shall be located away from sensitive natural communities and jurisdictional features and protected from stormwater run-off using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, 	LSM

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<ul style="list-style-type: none"> • sand/gravel bags, and straw bale barriers, as appropriate. • Materials, hand-held equipment and other non-heavy or non-vehicle equipment shall be stored on impervious surfaces or plastic ground covers to prevent any spills or leakage from contaminating the ground and generally at least 50 feet from sensitive natural communities and jurisdictional areas. • Any spillage of material shall be stopped if it can be done safely. The contaminated area shall be cleaned, and any contaminated materials shall be properly disposed of. For all spills, the Project foreman and biological monitor (if required under Mitigation Measure BIO-16) shall be notified. <p>If impacts to sensitive natural communities cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Mitigation may take the form of permittee-responsible, on-site or off-site mitigation or the purchase of credits from an approved mitigation bank or through applicant-sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is required for the Project component. If on-site or off-site restoration would occur, PWD shall retain a qualified biologist to develop a Habitat Revegetation, Restoration, and Monitoring Program and submitted for CDFW approval prior to the commencement of Project component construction (including, but not limited to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation). At a minimum, the program shall include the following:</p> <ul style="list-style-type: none"> • A description of the purpose and goals of the restoration • Identification of success criteria and performance standards • Methods of site preparation, including topsoil salvage and replacement procedures • Irrigation plan and schedule • Best Management Practices (BMPs) • Maintenance and monitoring program • Adaptive management strategies • Key stakeholders and responsible parties • Funding • Contingencies <p>Mitigation Measure BIO-20: Above, shall apply Mitigation Measure BIO-21: Above, shall apply</p>	
3.4 Cultural Resources and Tribal Resources			
CUL-1: Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5.	PS	<p>Mitigation Measure CUL-1: Cultural Resources Professional Qualifications Standards</p> <p>PWD shall retain an archaeologist and architectural historian meeting the minimum professional qualifications standards set forth by the Secretary of the Interior (SOI) (codified in 36 Code of Federal Regulations [CFR] Part 61; 48 FR 44738-44739) (Qualified Archaeologist and Qualified Architectural Historian) to oversee the implementation of all mitigation related to cultural resources. All cultural resources documentation resulting from the program shall be filed with the South-Central Coastal Information Center upon document completion.</p> <p>Mitigation Measure CUL-2: Historic Resources Assessment</p>	SU

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>Prior to Project-related construction activities involving demolition or alteration of buildings and/or structures or the construction of above ground infrastructure, the Qualified Architectural Historian shall conduct a historic resources assessment of affected properties over 45 years in age. The assessment shall include a records search at the South-Central Coastal Information Center or review of a prior record search conducted within the previous one year; a review of other pertinent archives and sources; a pedestrian field survey; recordation of all identified historic architectural resources on California Department of Parks and Recreation 523 forms; evaluation of resources which may be eligible for listing in the California Register under Criteria 1-4 (i.e., meets the definition for historical resource in CEQA Guidelines subdivision 15064.5(a)), and for local listing; and preparation of a technical report documenting the methods and results of the assessment. If a historic architectural resource is found eligible, the Qualified Architectural Historian shall coordinate with the PWD to ensure the Project component is constructed in a manner consistent with the Secretary of the Interior's Standards.</p> <p>Mitigation Measure CUL-3: Archaeological Resources Assessment</p> <p>Prior to development of previously unevaluated Project components that involve ground disturbance, PWD shall retain a Qualified Archaeologist, defined as meeting the Secretary of the Interior's Professional Qualification Standards for archaeology (codified in 36 CFR Part 61; 48 FR 44738-44739), to conduct an archaeological resources assessment including: a records search update at the South Central Coastal Information Center; a pedestrian field survey, where deemed appropriate by the Qualified Archaeologist; recordation of all identified archaeological resources on California Department of Parks and Recreation 523 forms; and preparation of a technical report documenting the methods and results of the study, and providing an assessment of the Project area's archaeological sensitivity and the potential to encounter subsurface archaeological resources and human remains. All identified archaeological resources shall be assessed for the Project's potential to result in direct and/or indirect effects to those resources and any archaeological resource that cannot be avoided shall be evaluated for its potential significance prior to PWD's approval of Project plans and publication of subsequent CEQA documents. The Qualified Archaeologist shall provide recommendations regarding archaeological monitoring to be conducted in accordance with Mitigation Measure CUL-4, protection of avoided resources and/or recommendations for additional work or treatment of significant resources that will be affected by the Project.</p> <p>Mitigation Measure CUL-4: Construction Worker Cultural Resources Sensitivity Training</p> <p>For Project components involving ground disturbance, the Qualified Archaeologist shall implement a cultural resources sensitivity training program. The Qualified Archaeologist, or their designee, shall instruct all construction personnel of the types of archaeological resources cultural materials that may be encountered, cultural sensitivity issues, applicable laws protecting cultural resources, the proper treatment procedures to be enacted in the event of an inadvertent discovery of archaeological cultural resources materials or human remains, applicable laws protecting archaeological resources, and confidentiality of discoveries. Tribal representatives from each of the tribes consulting on the Palmdale Ditch Conversion Project shall be allowed to attend and/or participate in the training should they elect to and shall be given a minimum of ten days' notice prior to the training. In the event that construction crews are phased, additional trainings shall be conducted for new construction personnel. The PWD, or their construction contractor(s), shall ensure construction personnel are made available for and attend</p>	

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>the training. PWD shall retain documentation demonstrating attendance.</p> <p>Mitigation Measure CUL-5: Archaeological Resources Monitoring</p> <p>Archaeological monitoring shall be required for programmatic Project components and for the Palmdale Ditch Conversion Project as outlines below.</p> <ul style="list-style-type: none"> Proposed Project Requirements. Archaeological monitoring shall be determined by the Qualified Archaeologist based on the results of the archaeological resources assessment conducted under CUL-3 and requires the preparation of a Cultural Resources Monitoring Plan (CRMP) prior to the start of Project-related ground disturbance. The CRMP should discuss the monitoring protocols to be carried out during Project construction and should outline the appropriate measures to be followed in the event that cultural resources are encountered and <u>outline requirements for the final monitoring report</u>. In general, for ground- disturbing activities in geologic units/sediments of Higher Sensitivity for encountering subsurface prehistoric archaeological resources or human remains, full time archaeological monitoring shall be conducted, unless the Qualified Archaeologist has established as part of the archaeological assessment that previous disturbances have reduced the sensitivity for prehistoric archaeological resources to the extent that no or limited archaeological monitoring is warranted. No archaeological monitoring shall be required in geologic units/sediments of Lower Sensitivity for encountering subsurface prehistoric archaeological resources or human remains, or in those areas that have been previously subject to monitoring as part of the Project. If the Qualified Archaeologist determines as a result of the archaeological assessment that areas proposed for ground disturbance may be sensitive for historic-period archaeological resources, those areas shall also be subject to archaeological monitoring at a frequency determined by the Qualified Archaeologist. In all cases, the Qualified Archaeologist shall have the discretion to modify the frequency of monitoring based on soils and stratigraphy observed, the extent of past disturbances, and the type of construction methods employed. Generally, monitoring will not be required of activities employing construction methods such as tunneling and well drilling where soil profiles and spoils are not observable to monitors. The archaeological monitor(s) shall be familiar with the types of resources that could be encountered and shall work under the direct supervision of the Qualified Archaeologist. The number of archaeological monitors required to adequately observe ground-disturbing activities is dependent on the archaeological sensitivity of the area and construction scenario and shall be established by the Qualified Archaeologist. The archaeological monitor(s) shall keep daily logs detailing the types of activities and soils observed, and any discoveries. Archaeological monitor(s) shall have the authority to halt and re-direct ground-disturbing activities in the event of a discovery until it has been assessed for significance and treatment implemented, if necessary, based on the recommendations of the Qualified Archaeologist in coordination with the PWD and the Native American monitor(s) pursuant to TCR-1. Palmdale Ditch Conversion Project Requirements. Prior to the start of Project-related ground-disturbing activities, a qualified archaeologist shall be retained to prepare a CRMP and provide archaeological monitoring for the Project. The CRMP shall discuss the monitoring protocols to be carried out during Project construction and shall outline the 	

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>appropriate measures to be followed in the event that cultural resources are encountered. The CRMP shall be submitted to Palmdale Water District (PWD) for dissemination to the tribes consulting on the Project. Once all parties review and agree to the plan, it shall be adopted by PWD – the plan must be adopted prior to permitting for the Project. Any and all findings shall be subject to the protocol detailed within the CRMP. A copy of the final CRMP shall be provided to PWD (and United States Bureau of Reclamation [USBR]/United States Forest Service [USFS], depending on land jurisdiction) and the tribes consulting on the Project upon completion. Archaeological monitoring shall be limited to initial ground disturbance, which is defined as construction-related earthmoving of sediments from their native place of deposition (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, leveling, excavation, trenching, compaction, plowing, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [boulders, walls, etc.], and archaeological work) and does not include any secondary movement of sediment that might be required for the Project (e.g., backfilling). Archaeological monitoring shall be performed under the direction of an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archaeology (National Park Service 1983). The archaeological monitor shall have the authority to halt and redirect work should any archaeological resources be identified during monitoring. If archaeological resources are encountered during ground-disturbing activities, work within 60 feet of the find shall halt, and the find shall be evaluated for listing in the California Register of Historic Resources (CRHR)/National Register of Historic Places (NRHP). A sufficient number of archaeological monitors shall be present each workday to ensure simultaneously-occurring ground-disturbing activities receive thorough levels of monitoring coverage. Archaeological monitoring may be reduced or halted at the discretion of PWD (and USBR/USFS, depending on land jurisdiction), in consultation with the qualified archaeologist and the tribes consulting on the Project, as warranted by conditions such as encountering bedrock, sediments being excavated are fill, or negative findings during the first 50 percent of ground disturbance. If monitoring is reduced to spot-checking, spot-checking shall occur when ground disturbance moves to a new location within the Project site and/or when ground disturbance extends to depths not previously reached (unless those depths are within bedrock). Furthermore, monitoring may be terminated if it is determined the soils within the Area of Potential Effects do not have the potential to contain cultural resources.</p> <p>Mitigation Measure CUL-6: Archaeological Resources Discoveries</p> <p>In the event that archaeological cultural resources are unexpectedly encountered during ground-disturbing activities, work within 60 feet of the find shall halt, an Environmentally Sensitive Area physical demarcation/barrier installed, and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) contacted immediately to evaluate the resource. If the resource is determined by the qualified archaeologist to be prehistoric Native American in origin, then a Native American representative from the tribes consulting on the Project shall also be contacted to participate in the evaluation of the resource. If the qualified archaeologist and/or Native American representative from the tribes consulting on the Project determines it to be appropriate, archaeological testing for CRHR/NRHP eligibility shall be</p>	

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>completed. If the resource proves to be eligible for the CRHR/NRHP and significant impacts to the resource cannot be avoided via Project redesign, a qualified archaeologist shall prepare a data recovery plan tailored to the physical nature and characteristics of the resource, pursuant to the requirements of CEQA Guidelines Section 15126.4(b)(3)(C). Should the find be prehistoric deemed Native American in origin, all plans for analysis shall be reviewed and approved by PWD (and USBR/USFS, depending on land jurisdiction) and the tribes consulting on the Project prior to implementation, and all removed material shall be temporarily curated on site. The data recovery plan shall identify data recovery excavation methods, measurable objectives, and data thresholds to reduce any significant impacts to the resource. Pursuant to the data recovery plan, the qualified archaeologist and Native American representative(s) from the tribes consulting on the Project, as appropriate, shall recover and document the scientifically consequential information that justifies the resource's significance. PWD shall review and approve the treatment plan and archaeological testing as appropriate, and the resulting documentation shall be submitted to the regional repository of the California Historical Resources Information System, pursuant to CEQA Guidelines Section 15126.4(b)(3)(C). PWD shall work with the tribes consulting on the Project to determine the final disposition of any cultural materials removed. However, if the tribes consulting on the Project are not in agreement on the final disposition, PWD shall rebury the artifacts within the Project site in a location free from future disturbance and share the location with the tribes consulting on the Project. Items recovered from USFS lands must be curated in accordance with 36 CFR 79 and cannot be reburied. All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the qualified archaeologist and submitted to PWD (and USBR/USFS, depending on land jurisdiction) and the tribes consulting on the Project for their review and comment. A copy of the final report and all site/isolate records shall be submitted to PWD (and USBR/USFS, depending on land jurisdiction), the tribes consulting on the Project, and the South Central Coastal Information Center.</p> <p>Mitigation Measure CUL-7: Curation and Disposition of Cultural Materials</p> <p>PWD shall arrange curation for all Native American archaeological materials, with the exception of funerary objects or grave goods (i.e., artifacts associated with Native American human remains). For eligible Native American archaeological materials, the PWD shall first consider repositories that are accredited by the American Association of Museums and that meet the standards outlined in 36 CFR 79.9. If a suitable accredited repository is not identified, then the PWD shall consider non-accredited repositories as long as they meet the minimum standards set forth by 36 CFR 79.9. If a suitable non-accredited repository is not identified, then the PWD shall donate the collection to a local California Native American Tribe(s). Ineligible archaeological materials shall also be donated to a local California Native American Tribe(s). If neither an accredited or non-accredited repository or Tribe accepts the collection, then the PWD may offer the collection to a public, non-profit institution with a research interest in the materials, or to a local school or historical society in the area for educational purposes. Disposition of Native American human remains and associated funerary objects or grave goods shall be determined by the landowner in consultation with the PWD and the Most Likely Descendant (MLD).</p> <p>The PWD shall curate all eligible historic-period archaeological material or portions thereof at the discretion of the Qualified Archaeologist, at a repository accredited by the American Association of Museums that meets the standards outlined in 36 CFR 79.9. If no accredited repository accepts the collection, then the PWD may curate it at a non-accredited repository as long as it meets the minimum standards set forth by 36 CFR 79.9. If neither an accredited nor a non-accredited repository accepts the</p>	

Impact Statement	Level of Significance before Mitigation	Mitigation Measure	Level of Significance after Mitigation
		<p>collection, then the PW may offer the collection to a public, non-profit institution with a research interest in the materials, or to a local school or historical society in the area for educational purposes.</p> <p>Mitigation Measure CUL-8: Historic American Engineering Survey-Like Documentation Package</p> <p>Prior to the demolition of the Palmdale Ditch (CA-LAN-1534H), PWD should document the structure in a Historic American Engineering Record -like documentation package. The report shall generally comply with the Secretary of the Interior's Standards and Guidelines for Architectural and Engineering Documentation (68 Federal Register 43159), Level III. At a minimum, the Historic American Engineering Record Historical Report should include digital photographs of views of Palmdale Ditch and a short-form narrative historical report. Digital copies of the Historic American Engineering Record-like documentation package should be made available to the Los Angeles County Library Acton Agua Dulce Branch and the Palmdale City Library.</p>	

DRAFT EIR CHAPTER 2 PROJECT DESCRIPTION

Text in the Draft EIR in Chapter 2 Project Description on page 2-10 has been revised accordingly to provide clarification, and reads as follows:

These include carryover water, "Article 21" water, and ~~turnback pool water~~ Water Management Amendment which are defined as:

- **Carryover water** is Table A water that is allocated to a contractor but not used by the end of the SWP contract year. If space is available, contractors may store up to 5,000 acre-feet (AF) of Table A water in the part of the San Luis Reservoir owned by the SWP for delivery the following year. However, if the San Luis Reservoir must spill that season, the contractor's carryover water will be lost. PWD has stored an average of 2,442 AFY of this water from 2011 and 2021.
- **Article 21 water** is additional water that PWD may receive temporarily, in addition to its approved Table A water. This water is only offered occasionally, usually in wet hydrologic years, when there is more water in the Delta than the SWP contractors are entitled to. Historically, PWD has not received much of its water. Between 2011 and 2021, PWD has received a total of 335 AFY of Article 21 water.
- ~~**Turnback pools** are a mechanism for contractors with extra Table A water to sell their water back to other contractors. Since 2011, PWD has only brought about 26 AF of water from turnback pools to supplement its water supplies.~~
- **Water Management Amendment** allows SWP contractors to buy or sell their Table A, Carryover water, previously banked Table A water, and Article 21 water with each other.

The text in the Draft EIR on page 2-12 under Section 2.5-2 Recycled Water has been revised to as follows:

The Palmdale Water Reclamation Plant currently provides tertiary treatment for approximately ~~12,000~~ 10,200 AFY of wastewater generated in and around the City and produces an average of ~~40,700~~ 9,000 AFY of Title 22 recycled water. A contract with LACSD entitles PWD to up to 5,325 AFY of recycled water. There is also an agreement with the LACSD for 2,000 AFY of recycled water to provide to customers throughout the City's service area, which has since been transferred to PRWA.

The City is a recycled water customer through PRWA for landscape irrigation and construction water. The remaining portion of Palmdale Water Reclamation Plant recycled water is beneficially used for agricultural irrigation.

The following sentence has been added to the second paragraph on page 2-15 of Chapter 2 Project Description:

...The 2020 Well Rehabilitation Prioritization Program noted that a well site assessment and preliminary design had been completed on two potential new replacement production wells, designated Well 36 and 37, which would be situated in the north wellfield (pressure zone 2800). However, siting of wells will take into account a number of factors including groundwater production rates, district owned facilities, potential environmental effects, cost, and other engineering factors and may occur anywhere within the PWD boundaries. No CEQA documentation was prepared for the 2020 Well Rehabilitation Prioritization Program.

On page 2-38 Table 2-7: Regulatory Requirements and Authorizations and Approvals was updated to reflect this required easement.

Agency	Type of Approval	Water Supply Element
California Department of Fish and Wildlife	Section 1602 Streambed Alteration Agreement	Local Supplies – Palmdale Ditch Conversion
California Department of Fish and Wildlife	Incidental Take Permit	Local Supplies – Palmdale Ditch Conversion
Antelope Valley Air Quality Management District (AVAQMD)	Permit to Construct and Operate	Local Supplies – Palmdale Ditch Conversion
LA Metro	License Agreement, Encroachment Permit	Local Supplies – Palmdale Ditch Conversion
Metrolink	Encroachment Permit	Local Supplies – Palmdale Ditch Conversion
Los Angeles County	Grading Permit, Road Permit, Encroachment Permit	Local Supplies – Palmdale Ditch Conversion
Los Angeles County Sanitation District	Industrial Wastewater (IW) Discharge permit; Trunk Sewer Connection permit to discharge brine or other wastewater into sewerage system	Recycled Water – Pure Water Antelope Valley
Los Angeles County Sanitation District	Submittal of detailed project plans and specifications	Groundwater - injection wells and conveyance pipelines Recycled Water – Pure

Agency	Type of Approval	Water Supply Element
		Water Antelope Valley
<u>Los Angeles County Sanitation District</u>	<u>Sewer easement</u>	<u>Recycled Water – Pure Water Antelope Valley</u>
Los Angeles County Airport Land Use Commission	Submittal of plans for facilities occurring within the Palmdale Regional Airport airport influence area prior to final design	Recycled Water – Pure Water Antelope Valley
Federal Aviation Administration	Notice of Proposed Construction or Alteration	Recycled Water – Pure Water Antelope Valley
Los Angeles Department of Water and Power	Encroachment Permit	Local Supplies – Palmdale Ditch Conversion
City of Palmdale	Encroachment Permit, Grading Permit	Local Supplies – Palmdale Ditch Conversion
U.S. Army Corps of Engineers	Clean Water Act Section 404 Permit	Local Supplies – Palmdale Ditch Conversion
United States Forest Service	Special Use Permit	Local Supplies – Palmdale Ditch Conversion
Lahontan Regional Water Quality Control Board	Clean Water Act Section 401 Water Quality Certification	Local Supplies – Palmdale Ditch Conversion
State Water Resources Control Board	Approval of the SWPPP under the statewide NPDES Construction General Permit	Local Supplies – Palmdale Ditch Conversion
<u>State Water Resources Control Board</u>	<u>Water Supply Permit Amendment</u>	<u>Recycled Water – Pure Water Antelope Valley</u>
<u>California Department of Transportation</u>	<u>Transportation Permit</u>	<u>All</u>
California Department of Water Resources	Encroachment Permit for facilities that cross the California Aqueduct	Local Supplies – Palmdale Ditch Conversion
California Department of Water Resources	Encroachment Permit, Turnout Agreement	Local Supplies – Palmdale Ditch Conversion
California Division of Occupational Safety and Health	Mining and Tunneling Unit Permit	Local Supplies – Palmdale Ditch Conversion

DRAFT EIR SECTION 3.1 AESTHETICS

Text in the Draft EIR Section 3.1 Aesthetics on page 3.1-17 has been revised accordingly to provide clarification, and reads as follows:

IMPACT AES-3 FINDINGS

Significance before Mitigation: Potentially Significant ~~Less than Significant~~

Mitigation Measures: Mitigation Measures AES-1, AES-2, AES-3.

Significance after Mitigation: Less than Significant after Mitigation Incorporated

DRAFT EIR SECTION 3.2 AIR QUALITY AND GREENHOUSE GAS EMISSIONS

Text in the Draft EIR in Section 3.2 Air Quality and Greenhouse Gas Emissions on page 3.2-24 has been revised accordingly to provide clarification, and reads as follows:

As such, **Mitigation Measures AIR-1** through **AIR-3** would apply to the construction phase. Implementation of **Mitigation Measures AIR-1, AIR-2, and AIR-3** would reduce construction-related emissions to below significance thresholds. Impacts would be less than significant with mitigation incorporated.

DRAFT EIR SECTION 3.3 BIOLOGICAL RESOURCES

On page 3.3-70, Impact Findings for Impact BIO-1 is revised as follows:

IMPACT BIO-1 FINDINGS

Significance before Mitigation: Potentially Significant

Mitigation Measures: Mitigation Measures BIO-1 through BIO-18, ~~BIO-20 and BIO-21~~.

Significance Determination: Less than Significant with Mitigation.

Mitigation Measure BIO-2: Special-Status Plant Surveys, Avoidance Measures, Mitigation and Monitoring in the Draft EIR in Section 3.3 Biological Resources on page 3.3-89 has been revised accordingly in response to comment:

Mitigation Measure BIO-2: Special-Status Plant Surveys, Avoidance Measures, Mitigation and Monitoring Plan

[...]

- Criteria and performance standards by which to measure the success of the mitigation, including replacement of impacted plants at a minimum 1:1 ratio, to be determined in consultation with CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is otherwise required for the Project component;

Mitigation Measure BIO-3: Joshua Tree Census Survey, Avoidance, Minimization and Compensation Measures on page 3.3-90 has been revised accordingly in response to comment:

Mitigation Measure BIO-3: Joshua Tree Census Survey, Avoidance, Minimization, and Compensation Measures

[...]

- PWD shall submit payment of an in-lieu fee to CDFW pursuant to CDFW's standard mitigation fee structure for western Joshua tree in effect at the time of application for an Incidental Take Permit. ~~The current (2024) standard mitigation fee structure is as follows:~~
 - ~~☐ Trees five meters or greater in height – \$2,500 per tree~~
 - ~~☐ Trees one meter or greater but less than 5 meters in height – \$500 per tree~~
 - ~~☐ Trees less than one meter in height – \$340 per tree~~

Mitigation Measure BIO-4: Arroyo Toad, Desert Tortoise, Tricolored Blackbird, and Least Bell's Vireo Avoidance, Minimization and Compensation Measures on page 3.3-91 has been revised accordingly in response to comment:

Mitigation Measure BIO-4: Arroyo Toad, Desert Tortoise, Tricolored Blackbird, and Least Bell's Vireo Avoidance, Minimization and Compensation Measures

[...]

If the proposed Project results in permanent impacts to habitat occupied by special-status wildlife species, USFWS and CDFW shall be consulted to ensure compliance with the Endangered Species Act and/or requirements for avoidance, minimization, or mitigation measures (e.g., replacement of impacted occupied habitat at a minimum 1:1 ratio, to be determined in consultation with USFWS and/or CDFW, as applicable).

Mitigation Measure BIO-5: Crotch's Bumble Bee Avoidance, Minimization, and Compensation Measures on page 3.3-92 has been revised accordingly in response to comment:

Mitigation Measure BIO-5: Crotch's Bumble Bee Avoidance, Minimization, and Compensation Measures

[...]

- If Crotch's bumble bee is determined to be present on the Project component site, floral resources associated with the species that will be removed or damaged by Project component activities in the areas of the Project component site where Crotch's bumble bee is detected and documented shall be replaced at a minimum 1:1 ratio, to be determined in consultation with CDFW as part of the

Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component. Planning and implementation of suitable habitat replacement may be integrated into the Habitat Revegetation, Restoration, and Monitoring Program described under Mitigation Measure BIO-19.

Mitigation Measure BIO-9: Mohave Ground Squirrel Avoidance and Minimization Measures on page 3.3-97 has been revised accordingly in response to comment:

Mitigation Measure BIO-9: Mohave Ground Squirrel Avoidance and Minimization Measures

[...]

- If burrows are identified during the survey that are suspected or known to be occupied by Mohave ground squirrel and cannot be avoided, the qualified biologist shall prepare a Mohave Ground Squirrel Relocation Plan outlining measures to relocate individual Mohave ground squirrels prior to construction start. The plan shall be submitted to PWD and CDFW for review and approval and shall be implemented prior to commencement of Project component activities in work areas with suspected or known Mohave ground squirrel burrows. The Plan shall outline measures for burrow excavation, handling of individuals, identification of proposed relocation areas, and release of relocated individuals after the conclusion of all grading, clearing, and construction activities. The Plan shall also detail restoration of and/or compensatory mitigation, at a minimum 1:1 ratio, of occupied Mohave ground squirrel habitat that is temporarily or permanently impacted by the Project activities if required by CDFW as part of the Incidental Take Permit process pursuant to CFGC Section 2081 for the Project component. A report documenting relocation activities and outcomes shall be prepared by the qualified biologist and submitted to PWD and CDFW for review and approval after completion of relocation activities.

Mitigation Measure BIO-17: Nesting Bird Surveys and Avoidance and Minimization Measures on page 3.3-104 has been revised in response to comment:

Mitigation Measure BIO-17: Nesting Bird Surveys and Avoidance and Minimization Measures

This mitigation measure is applicable to the Palmdale Ditch Conversion project and other Project components for which suitable habitat for nesting birds is identified during the habitat assessment conducted pursuant to Mitigation Measure BIO-1. Project component construction activities shall occur outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must commence within the bird breeding season, PWD shall retain a qualified biologist to conduct a pre-construction nesting bird survey within the disturbance footprint plus a minimum buffer of 100 feet to a maximum buffer of 500 feet depending on species, work activity, and existing ambient conditions ~~100-foot buffer (300 feet for raptors), where feasible,~~ no more than seven days prior to initiation of ground disturbance (including, but not limited

to, site preparation, staging and mobilization, vegetation clearance/mowing/trimming, grading, and excavation) in each work area. If the Project component is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if initiated during the bird breeding season.

Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A brief report of the nesting bird survey results, if applicable, shall be submitted to PWD for review and approval prior to ground disturbance and/or vegetation removal activities.

If no nesting birds are observed during pre-construction surveys, no further action is required. If nests are found, an appropriate avoidance buffer of up to 300 feet ranging in size from 25 to 50 feet for passerine (perching birds) nests and up to 500 300 feet for active, non-listed raptor nests (~~depending on the species and the proposed work activity~~) shall be determined by the qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. No construction activity shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If Project component activities must occur within the buffer, they shall only be conducted at the discretion of the qualified biologist.

Mitigation Measure BIO-19: Sensitive Natural Communities and Jurisdictional Features Avoidance, Minimization Measures on page 3.3-106 has been revised accordingly in response to comment:

Mitigation Measure BIO-19: Sensitive Natural Communities and Jurisdictional Features Avoidance, Minimization Measures

[...]

- If impacts to sensitive natural communities cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Mitigation may take the form of permittee-responsible, on-site or off-site mitigation or the purchase of credits from an approved mitigation bank or through applicant-sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW if a Lake or Streambed Alteration Agreement pursuant to CFGC Section 1602 or Incidental Take Permit pursuant to CFGC Section 2081 is required for the Project component.

Mitigation Measure BIO-20: Aquatic Resources Delineation and Compensatory Mitigation on page 3.3-107 has been revised accordingly in response to comment:

Mitigation Measure BIO-20: Aquatic Resources Delineation and Compensatory Mitigation

[...]

- If impacts to jurisdictional waters and wetlands cannot be avoided, PWD shall identify compensatory mitigation prior to disturbance of the features. Compensatory mitigation for impacts to the jurisdictional extents of the Palmdale Ditch shall be provided at a minimum 0.5:1 ratio, unless a higher ratio is required by Lahontan RWQCB, CDFW, and/or USACE, given the Ditch's altered hydrology as a manmade structure constructed entirely in uplands that is artificially lined in a number of areas (concrete, synthetic liner, elevated flume) and its controlled flow that fluctuates in quantity and timing from year to year depending on annual climatic conditions and available water supply in Littlerock Reservoir. Compensatory mitigation for impacts to other jurisdictional waters and wetlands shall be provided at a minimum 1:1 ratio, unless a higher ratio is required by Lahontan RWQCB, CDFW, and/or USACE.

DRAFT EIR SECTION 3.4 CULTURAL AND TRIBAL CULTURAL RESOURCES

Texts in Draft EIR Section 3.4 Cultural and Tribal Cultural Resources on page 3.4-3 has been edited to provide clarification on reference:

At a site Lovejoy Springs, which has a prominent Gypsum component, a group inhumation with at least nine individuals was uncovered, including a child buried with approximately 3,000 Olivella shell beads from the southern Californian coast (Price et al. ~~2008~~ 2009).

[...]

Rose Springs sites along Amargosa Creek, west of Palmdale, contain workshops for the production of beads made out of steatite and chlorite schist, materials native to that area (Price et al. ~~2008~~ 2009).

[...]

The frequent use of obsidian is a defining feature of the Rose Springs period. Obsidian from the Coso volcanic field, 70 miles north of Mojave, was imported in near-finished form for use in making lithic tools (Price et al. ~~2008~~ 2009).

Text in the Draft EIR in Section 3.4 Cultural and Tribal Resources on page 3.4-7 has been revised accordingly in response to comment:

At the time of European contact, numerous groups occupied the area in and surrounding the Antelope Valley. The southeastern portion of the Valley, around the Mojave River, was inhabited by the Serrano and Vanyume. The Vanyume are the desert division of the Serrano; they were first mentioned as the Beneme by Father Francisco Garces in 1776. Later, the ethnic designation Vanyume was adopted by Kroeber who mistranslated the name. Sutton and Earle (2017) discuss the relationship between the Mountain and Desert divisions of the Serrano at depth, suggesting that they are two divisions of the Serrano proper, not independent political, linguistic, or cultural entities (Earle 1997).

Robinson (1977) is the first to suggest that the local groups, which inhabited the Antelope Valley occupied a central geographical location. These groups were "a central point of contact between four major centers of cultural development in central and southern California;" this included Shoshonean people of the desert proper to the east, the Yokuts to the north, the Chumash to the west, and the Gabrieliño to the south. The territory of the Tataviam centered on the southwestern extent of the Antelope Valley, the Santa Clara River drainage, and possibly the Sierra Pelonas and the Palmdale area (Sutton 1988). The Kitanemuk inhabited the southern Tehachapi Mountains and the northern and central portion of the Antelope Valley. Finally, during the historic period, there is some evidence for the occupation of the Western Mojave by the Chemehuevi. The groups that are known to have lived in the vicinity of the proposed project area (Kitanemuk, Tataviam, Serrano, and Chemehuevi) are described in more detail below.

Texts in Draft EIR Section 3.4 Cultural and Tribal Cultural Resources on page 3.4-8 has been edited to provide clarification on reference:

They lived in small villages where extended families lived in circular, dome-shaped structures made of willow frames covered with tule thatching. Each clan had one or more principal villages in addition to numerous smaller villages associated with the principal village (Price et al. ~~2008~~ 2009).

Texts in Mitigation Measure CUL-5: Archaeological Resources Monitoring on page 3.4-45 to 3.4-46 has been edited in response to comment:

Proposed Project Requirements. Archaeological monitoring shall be determined by the Qualified Archaeologist based on the results of the archaeological resources assessment conducted under CUL-3 and requires the preparation of a Cultural Resources Monitoring Plan (CRMP) prior to the start of Project-related ground disturbance. The CRMP should discuss the monitoring protocols to be carried out during Project construction and should outline the appropriate measures to be followed in the event that cultural resources are encountered and outline requirements for the final monitoring report.

Text in the Draft EIR in Section 3.4 Cultural and Tribal Cultural Resources on page 3.4-54 has been revised accordingly to provide clarification on reference:

Price, Barry, Alan G. Gold, Barbara S. Tejada, David D. Earle, Suzanne Griset, Jay B. Lloyd, Mary Baloian, Nancy Valente, Virginia S. Popper, and Liza Anderson. The Archaeology of CA-LAN-192: Lovejoy Springs and Western Mojave Desert Prehistory. Prepared by Applied Earthworks for the County of Los Angeles, September ~~2008~~ 2009.

DRAFT EIR SECTION 3.7 HAZARDS, HAZARDOUS MATERIALS, AND WILDFIRE

Text in the Draft EIR in Section 3.7 Hazards, Hazardous Materials, and Wildfire on page 3.7-20 has been revised accordingly to provide clarification, and reads as follows:

Operation of ~~existing~~ rehabilitated wells ~~that have been rehabilitated~~ would not have any impact as existing wells are ~~not~~ located ~~within~~ near ~~any~~ active hazardous sites.

Mitigation Measure HAZ-3 ~~ensures~~ ensured replacement wells ~~would~~ will not be located ~~within~~ near or within ~~any~~ active hazard ~~hazardous~~ sites. Therefore, there would be no impact.

DRAFT EIR CHAPTER 4 ALTERNATIVES

Text in the Draft EIR in Chapter 4 Alternatives on page 4-7 has been revised accordingly to provide clarification, and reads as follows:

SWRP Update Alternative 3 was selected as the Reduced Project Alternative. Under the Reduced Project Alternative, PWD would not implement the Palmdale Ditch Conversion project and would not purchase ~~2,000~~ 1,000 AFY of production rights from other groundwater users in the Antelope Valley Groundwater Basin

Text in the Draft EIR in Chapter 4 Alternatives on page 3-8 has been revised accordingly to provide clarification, and reads as follows:

Without the purchase ~~2,000~~ 1,000 AFY of production rights from other groundwater users in the Antelope Valley Groundwater Basin...

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CHAPTER 5. REFERENCES

CEQA. California Public Resources Code Sections 21000 et. Seq.

CEQA Guidelines. Code of Regulations, Title 14, Division 6, Chapter 3.

Price, Barry, Alan G. Gold, Barbara S. Tejada, David D. Earle, Suzanne Griset, Jay B. Lloyd, Mary Baloian, Nancy Valente, Virginia S. Popper, and Liza Anderson. The Archaeology of CA-LAN-192: Lovejoy Springs and Western Mojave Desert Prehistory. Prepared by Applied Earthworks for the County of Los Angeles, September ~~2008~~ 2009.

Robinson, R.W. 1977. The Prehistoric of the Antelope Valley, California: An Overview. Kern County Archaeological Society Journal 1: 43-48.

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APPENDIX A. MITIGATION MONITORING AND REPORTING PROGRAM