



San Gabriel River Water Committee

BOR WaterSMART Drought Resiliency Grant (BOR-DO-17-F010) San Gabriel River Inlet Structure Project

PREPARED FOR:
U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, CO 80225

PREPARED BY:
San Gabriel River Water Committee
Don Berry, Administrator
(626) 815-0018
sgrwc@aol.com
729 N Azusa Avenue
Azusa, CA 91702

February 14, 2016

Table of Contents

STANDARD FORM 4C4	SEPARATE COVER C
STANDARD FORM 424C BUDGET INFORMATION – CONSTRUCTION PROJECT	SEPARATE COVER C
STANDARD FORM 424 D CONSTRUCTION PROGRAMS (ASSURANCES).....	SEPARATE COVER C
1. TECHNICAL PROPOSAL	1
EXECUTIVE SUMMARY	1
BACKGROUND DATA	C C
PROJECT DESCRIPTION.....	5 C
EVALUATION CRITERIA.....	7 C
PERFORMANCE MEASURES	15
2. ENVIRONMENTAL & CULTURAL RESOURCES COMPLIANCE	17
3. DROUGHT PLAN	20
4. PERMITS & APPROVALS	31
5. LETTERS OF SUPPORT	32
. RESOLUTION (DRAFT).....	36
. PROJECT BUDGET	39
FUNDING PLAN	39
DETAILED BUDGET.....	40
LETTERS OF COMMITMENT	41
BUDGET NARRATIVE	45 C
APPENDICES.....	46
A. CDESIGN LAYOUT	47 C
B. ENVIRONMENTAL DOCUMENTATION.....	54 C
C. C PERMITTING & APPROVALS	62 C

TECHNICAL PROPOSAL & EVALUATION CRITERIA

*****Begin 20-page limit*****

Executive Summary:

Date: February 14, 2017

Applicant Name: The San Gabriel River Water Committee

The San Gabriel River Water Committee was formed by a court action, as a result of a compromise agreement in 1889, between parties interested in the San Gabriel River water. The Committee has evolved into an organization consisting of four entities (Azusa Light & Water, City of Glendora, California American Water Company, and Covina Irrigating Company) who appoint governance members to the Committee. Its purpose is to administer the division of the limited water supply of the San Gabriel River, which also includes building and maintenance of the infrastructure for water delivery. The communities served by the Committee include all and/or portions of the cities of Azusa, Covina, Glendora, Duarte, West Covina, Baldwin Park, Monrovia, Irwindale, Bradbury, San Dimas, La Puente, and Los Angeles County. The San Gabriel River Water Committee operates with the cooperation and support of the community, and works to continue protecting the San Gabriel River as a valuable natural resource.

City, County, State: Azusa (91702), Los Angeles County, California

Project Summary: The San Gabriel River Water Committee proposes to construct a new River Gate Inlet Structure near the existing Azusa-Duarte Tunnel Inlet in the San Gabriel River to allow for continued water delivery service and improve water management of the existing water flow. The original Azusa-Duarte Tunnel Inlet structure was built in the 1800s and in dire need of replacement with a more efficient system. Should the existing system experience a break in operations, thousands of residents and businesses will be without water delivery service. The proposed project will replace an obsolete system that is no longer efficient or safe, and increase the water capacity at the inlet, ditch, and flow control structures. The new River Gate Inlet Structure will be constructed and include supervisory control and data acquisition (SCADA) equipment to better manage water flows and control water diversions. The original Azusa-Duarte Tunnel Inlet structure (concrete box) will remain, but be rendered inoperable to be available as a back system in the event the new structure experiences a system failure. To improve safety at the existing inlet site, the proposed project will replace an unsafe wooden gate, that currently requires manual operation, with a motorized weir gate. Other safety improvements include installation of a power line connection,



Exhibit 1: The new River Inlet Structure will be constructed near the chain link fence that is located downstream from the Mountain Cove Bridge shown in the above photograph.

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

communication equipment on a raised platform, a walkway with concrete stairs, a new trash rack, and new security fencing. Overall, system operations will be able to continue under a more effective system that allows the Committee better water management and oversight of its water system.

The Ditch Gate Structure will replace three existing weirs located behind the reservoir and will include a new motorized weir gate with controls and communication equipment on a raised platform. This component of the project will control the elevation of water in the canal for the purposes of managing water height.

Project Timeline: The proposed project is shovel-ready with design, permitting and environmental complete. Construction is scheduled to begin immediately upon notification of grant funding. Construction is anticipated to be completed within four months (or by September 2017). In an effort to implement all avoidance and mitigation measures to protect fish and wildlife resources, construction will only occur during the dry season (summer months). The Committee will continue to monitor and evaluate the project throughout the grant period.

Federal Facility: The project is not located on a federal facility; nor will it provide any negative impacts to any BOR facilities.

Background Data:

The proposed project is located in the San Gabriel River, nearest to the City of Azusa in the San Gabriel Valley, at the foot of the San Gabriel Mountains in Los Angeles County, California. The San Gabriel River flows through the eastern portion of Los Angeles County and is bound by the San Gabriel Mountains to the north, most of San Bernardino and Orange County to the east, the division of the Los Angeles River from the San Gabriel River to the west, and the Pacific Ocean to the south. The 713-square mile San Gabriel Mountain watershed feeds the river as it flows 58 miles south until its confluence with the Pacific Ocean. Major tributaries to the San Gabriel River include Walnut Creek, San Jose Creek, Coyote Creek, and a number of storm drains entering from the 19 cities the San Gabriel River passes through. Exhibit 2 illustrates the location of the San Gabriel River within the state of California and within Los Angeles County.



Exhibit 2: The project is located on a section of the San Gabriel River in the City of Azusa.

The proposed River Gate Inlet Structure on the San Gabriel River will lead to an open channel within the Azusa Water Treatment plant, located approximately one-quarter mile to the west of the river. In 1887, water companies constructed a tunnel, commonly referred to as the Azusa-Duarte Tunnel, to improve the diversion yield from the river in conjunction with the inlet structure. Exhibit 3 illustrates the location of the existing Azusa-Duarte Tunnel Inlet Structure that will be reconstructed in place and the location for construction of the new Ditch Gate Structure located behind the reservoir to replace the existing three weir gates.

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

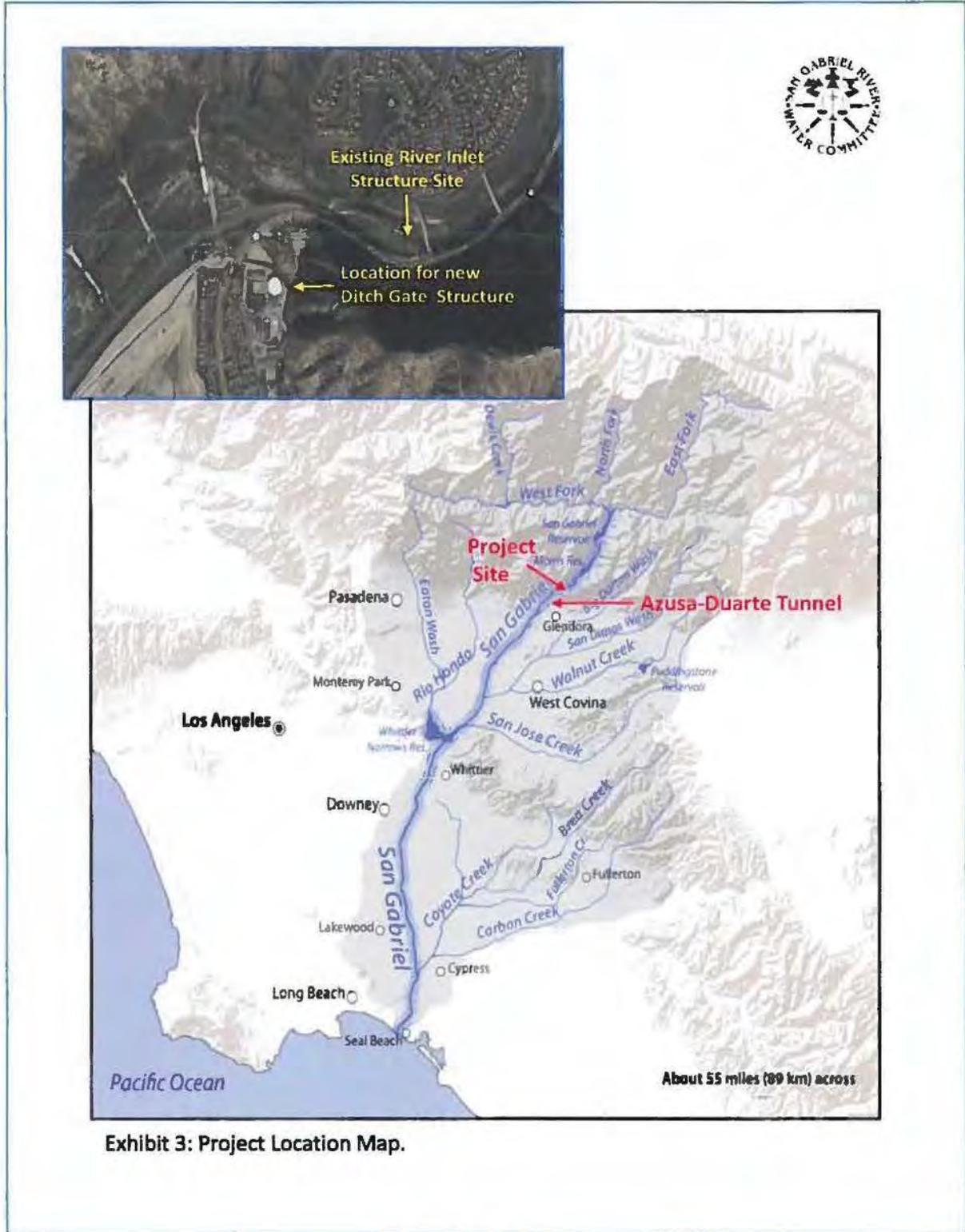


Exhibit 3: Project Location Map.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

Current Water Rights. The San Gabriel River has a rich history of tales of conflict and compromise over its water use. The San Gabriel River Water Committee is an association of water diverters that acts as a steadfast protector of the river and its many uses. The Committee maintains a pre-1914 State of California Department of Water Resources surface water diversion right. This water right has been challenged in courts many times throughout the last century, yet remains unaltered.

History. Conflicts over water rights continued as the valley population increased. Water companies, worried they would lose their water rights, reached a Compromise Agreement in 1889. Under the terms of the agreement, a committee of its members consisting of the companies or individuals with water rights, was developed to administer the waters of the San Gabriel River.

The Compromise of 1889 established a water right of 134.4 cubic second feet collectively to the San Gabriel River Water Committee, which has stood the test of time and litigation and operates under its water rights today with following members.

Exhibit 4	
San Gabriel River Water Committee Members	Population Served
Azusa Light and Water	110,000
City of Glendora	45,300
California American Water	21,556
Covina Irrigating Company	47,370
Total	224,226

Current Water Supply. The San Gabriel River Committee manages a water supply of 19,396 acre-feet per year averaged over the last fifteen years. The first 134.4 cubic feet per second of surface water rights diverted daily belong to the San Gabriel River Water Committee, as established by the latest water dispute resolved in a 1973 Judgement. The Judgement was in response to a complaint filed in the Superior Court of the State of California. The judgement reconfirmed the water rights of 190 original parties involved in the legal action; however, it did not modify the prior water rights, role or responsibility of the San Gabriel River Water Committee, which has continued to evolve over the years and remains intact today.

Current Water Use. The San Gabriel River is a natural resource that provides drinking water to over a quarter million people, irrigating plant products, and providing water for industrial uses for a variety of manufacturing and food production companies. ***The communities served by the Committee include all and/or portions of the cities of Azusa, Covina, Glendora, Duarte, West Covina, Baldwin Park, Monrovia, Irwindale, Bradbury, San Dimas, La Puente, and Los Angeles County.*** With over 250,000 residents utilizing the San Gabriel River as its water source, the San Gabriel River Water Committee is responsible for millions of dollars of commerce as a result of the regional water supply. Should the current river gate inlet structure default or become inoperable, hundreds of thousands of residents and business enterprises will be adversely affected. The current and projected water flow has averaged 19,396 acre feet per year over the last fifteen (15) years. A new River Gate Inlet Structure to divert water flows will enable the Committee to improve, more efficiently, with increased safety and reliability water delivery service to its customers.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

Projected Water Demand. According to the 2015 Azusa Light and Water Urban Water Management Plan (UWMP), over the next 15 years the total water use is anticipated to increase approximately 9 percent. This increase is attributed to a moderate population growth and standard increase in retail agricultural and retail industrial usage.

Potential Shortfalls. Potential shortfalls in supply are attributed to years of low precipitation and the reduced run-off in the San Gabriel watershed. During normal rainfall years, water is stored behind three dams (Morris, Cogswell, and San Gabriel) in the San Gabriel Mountain National Monument. This water is released during throughout the year, as requested, to provide a steady supply of water to the Committee members. Water is either sent to spreading grounds which replenish groundwater storage or to two water filtration plants (Azusa Light and Water's Joseph F. Hsu Filtration Plant and/or Covina Irrigating Companies' William B. Temple Water Treatment Plant #1) or to California American Water facilities. Total water supplies have diminished as much as 52% in the last 15 years due to current drought conditions. Climate data has been recorded in California since 1858 showing California has experienced several periods of severe drought: 1928-34, 1976-77, 1987-91, 2007-09, and most recently in 2013-16. As a result, state legislature has enacted acts to ensure water management plans are responsive to drought management. The proposed project will increase reliability of the existing water supply, help replenish water storage, and improve water management capabilities of the Committee.

Water Delivery System. The current water systems in the San Gabriel River require an inlet structure to provide sufficient water delivery to municipal systems. The inlet is comprised of approximately 1600 feet of tunnel that leads from the river under the highway, approximately 1700 feet of lined canal that directs water to the two filter plants, and approximately 1600 feet of unlined canal that directs water to two large spreading basins. There is also a diversion structure used to manipulate the flow of water between the spreading basins and the two filter plants. There are no other agricultural systems relating to the proposed project.

Bureau of Reclamation Past Relationship. Members of the San Gabriel River Water Committee (Azusa Light & Water and City of Glendora) have an emergency contract for delivery of Reclamation water (from SWP managed by Department of Water Resources or CRA managed by BOR) through Upper San Gabriel Valley Municipal Water District. The Upper District mixes both water supplies (SWP and CRA) to provide water under the emergency contract for delivery of Reclamation water to Azusa Light & Water and the City of Glendora. The Committee has had no previous dealings with the Bureau of Reclamation (BOR). The proposed project will represent the Committee's first relationship with the BOR.

Project Description:

The proposed project will construct a new River Gate Inlet Structure at the existing Azusa-Duarte Tunnel Inlet structure with upgraded communication equipment for better water management practices. The new inlet will replace the current operating structure, originally built in the 1800's, that has become antiquated and unsafe to operate. *The project is shovel-ready with design, permitting, and environmental complete* (Please see Appendices A-C for design layouts, environmental documentation, and permitting included in this application). The scope of work includes:

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

- Construction of the new River Gate Inlet Structure to replace the existing Azusa-Duarte Tunnel Inlet structure with a motorized weir gate with controls and installation of a power line connection, communication equipment on a raised platform, a walkway with concrete stairs, a new trash rack, and security fencing.
- Construction of the new Ditch Gate Structure located behind the reservoir to replace the existing three weirs with a new motorized weir gate with controls and communication equipment on a raised platform.
- Installation of supervisory control and data acquisition (SCADA) equipment. SCADA is a computer system for gathering and analyzing real time data and will be used to control diversion flows, monitor water levels, and control water system operations in real time.

The size of the River Gate Inlet Structure will maintain the same footprint as the original structure. The total project size is 0.003 acres, or 25 linear feet. Temporary impact to waters of the United States is estimated to be 0.002 acres, or 14 linear feet as a result of the proposed project. To minimize water loss in the San Gabriel River, construction activities will be scheduled during the dry season. In addition, the Committee will coordinate with the operator of Morris Dam to ensure no water releases will occur that will negatively affect the project.

The new Ditch Gate Structure will replace the existing three weir gates, which will be rendered non-operational and left in as-is condition with some improvements to the existing structures in order to improve system operations. Both existing systems (Azusa-Duarte Tunnel Inlet structure and the existing three weir gates), will be replaced with newly constructed systems for better efficiency; however, the existing structures will remain as a back-up emergency operational system in the event the new structures experience failure.



Exhibit 5: The project site for the new Ditch Gate Structure.



Exhibit 6: The project site for the new River Gate Inlet structure.

Sand bags will be placed in the open channel (six feet wide, two feet deep) as long as necessary in order to prevent any water from reaching the construction area. At the completion of construction activities, the sand bags will be removed.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

The work described herein is not routine maintenance. The project is improvement work required to ensure the inlet structure is able to continuously and reliably deliver water supply to cities served by the San Gabriel River Water Committee (all and/or portions of the cities of Azusa, Covina, Glendora, Duarte, West Covina, Baldwin Park, Monrovia, Irwindale, Bradbury, San Dimas, La Puente, and Los Angeles County). The project will allow the Committee to efficiently control the amount of water flowing from the river at all times. The primary goal of the project is to improve safety and increase water capacity at the inlet structure for continued water delivery service and improve water management of the existing water flow at the San Gabriel River.

Evaluation Criteria:

Evaluation Criterion A—Project Benefits (40 Points)

Improved Water Management. Although this project will not create additional water, it will allow the Committee to safely, reliably, and accurately move existing water supplies. The primary objective of the project is to continue the current water delivery service and improve water management practices. The project will allow the Committee and its Administrator to better manage water supplies by constructing a new River Gate Inlet Structure to improve water system operations and replace the existing weir gate that is currently unsafe to operate.

Currently flow diversions are unable to be set at a specific rate at the River Inlet Gate. This means not all the water sought to be diverted for distribution or for treatment is delivered. The San Gabriel River runs through rock bed formations that erode naturally and add to the mineral content of the water. In addition, organic vegetation debris often gets washed into the river and adds to the turbidity levels of the river water. As a result, turbidity levels in the San Gabriel River can rise to high levels, which affect the treatment process. Occasionally, when other water entities, such as Azusa Light and Water, are unable to treat surface water diversions due to high levels of turbidity, the option to divert surface water to an alternative location such as the Azusa-Duarte Tunnel is achieved by the use of the proposed Ditch Gate Structure. The new River Gate Inlet Structure and Ditch Gate Structure, along with updated SCADA communication equipment will efficiently manage water flows and improve water system operations. SCADA equipment will allow for water monitoring and accuracy in the amount of water being diverted.

Long-term Resiliency to Drought. Protecting and managing the current water supply will build long-term resilience in the face of the current state drought. The existing infrastructure was installed circa 1889. For the purpose of this application, the upgraded infrastructure will provide increased reliability and safety for the life of the proposed project, which is estimated at 50 years. All of the water that the Committee is entitled to take will be better managed as a result of this project which can total over 27,000 acre feet in one year. This estimate was calculated by a weir structure and ultrasonic meter that measures the height of the water flowing over the weir. The flow meter is read daily and is recorded electronically 24 hours a day.

This project addresses the Committee's concerns regarding the impacts of drought, population growth, and increased water use. Committee members rely upon partnerships between cities, other water agencies,

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

stakeholders, and environmental groups to develop projects that prioritize efforts that balance water supply and efficiency. The Committee is currently working with its members and affiliates to initiate conversations that ensure a reliable local water supply.

New Information Available to Water Managers. The proposed project will make water flow information and water flow rates available via SCADA equipment to water managers and maintenance staff in effort to better manage the Committee's water delivery service. This information will also help in stakeholder meetings with other cities and water authorities to develop effective plans that help to address drought conditions.

Quantity of Water Managed and Quantified Water Supply. All of the water that is diverted from the San Gabriel River will flow through the proposed inlet structure system for either water diversion or treatment. As a result, 100% of the water that flows through the proposed project infrastructure will benefit from much improved water management practices and help with limited water supplies during the current state drought. Assuming a 50-year life cycle for the proposed project and up to 27,000 acre-feet per year of projected water flow – the total amount of water expected to be better managed equates to over 1.3 million acre-feet of water diverted over the life of the project.

Benefits to Fish, Wildlife, Environment. The proposed project can indirectly benefit federally-listed threatened or endangered species by improving water supplies. These measures include restoration of water flows, which the



Exhibit 7: Mountain yellow-legged frog.

proposed project will improve upon by constructing a new River Gate Inlet structure with a more efficient system to divert water, as appropriate. By providing more flexibility in water deliveries, the project will help provide relief for environmental water management and help benefit habitat conditions helping to restore populations of endangered or threatened species. The San Gabriel River has been designated as a critical habitat for endangered Mountain yellow-legged frog (*Rana muscosa*), and other epidemic fish species that include the Santa Ana sucker (*Catostomus santaanae*) and the Santa Ana speckled dace (*Rhinichthys osculus ssp*).

Salt Water Barriers / Wells. Not Applicable. The proposed project does not include salt water barrier or well components.

New Water Marketing Tool or Program. The proposed project will help increase flexibility of water delivery services with project weather stations and gage stations. These tools will make new information available and help to analyze water demands, flows, and water supply forecasts for both real-time operations and management planning. This information will help fine tune the operation system and increase system efficiency to minimize system losses, while taking into account local conditions (such as drought) that may impact current operations and supplies.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

Water users will include residential, industrial, and agricultural users. It is estimated that the project will benefit approximately 75 percent of residential water uses and 25 percent of commercial/industrial water users. Agricultural water users are nominal.

There are no legal issues pertaining to water marketing that could hinder implementation of the project.

Metering/Water Measurement Projects. The proposed project will implement supervisory control and data acquisition (SCADA) equipment as a tool to monitor water flows, program water diversion methods, and study water calculations to determine the impact of and predict drought conditions. The project will include an updated ultrasonic meter that measures the height of the water flowing over the weir. The meter will provide daily reads and electronically record water flows 24 hours a day. This information will enable the Committee to observe and record water flow levels in an effort to predict the severity of the ongoing state drought. As population and land-use densities increase, the Committee will use the information to support local water supply projects in order to continue its independence of imported water and focus efforts on the existing water supply infrastructure to maximize the local water supply available.

Environmental/Wildlife Projects

No species will be adversely affected by the proposed project. Although no specific species is targeted for this project, the proposed inlet structure will divert water for distribution and treatment, reducing contamination for multiple species of aquatic and other wildlife living in the San Gabriel River.

Evaluation Criterion B—Drought Planning and Preparedness (20 Points)

The 2015 Azusa Light and Water Urban Water Management Plan (UWMP) Section 5: Reliability Planning references regional efforts to ensure reliable water supplies meet projected demands. The plan also references an effort by MWD to effectively project and analyze supply and demand over the next 25 years. As the main objective of the proposed project is to continue reliable water delivery service, the project is well supported by the UWMP. In addition, Section 7: Contingency Planning references objectives to manage current water supplies to meet ongoing and future needs. Due to surface and subsurface inflows from the San Gabriel Mountains, surface water from the San Gabriel River is subject to climatic conditions. The surplus of available water from the San Gabriel River is of paramount importance to help offset drought conditions and ensure continuous water delivery service, which the proposed inlet infrastructure project will provide. This demonstrates how well-aligned the project is with the local and regional goals to help water reliability efforts and contingency planning.

Azusa Light and Water UWMP was developed through a collaboration of a number of cities and water agencies participating in preparation of the plan, providing feedback to drafts of the plan, and attending public hearings. In addition, the Committee has identified potential impacts from long-term drought conditions, notably resulting

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

from the effects of climate change. Steps have been taken to address reducing the current water demands by curbing agricultural use and working with neighboring agencies to develop conservation efforts. The Committee is committed to monitoring and addressing water issues in an effort to help sustain drought conditions.

In addition, the California American Water 2015 Urban Water Management Plan strives to maintain surface water diversion. Relevant pages of the plan's Section 6.1: Water Supply Reliability is included in this application.

Evaluation Criterion C—Severity of Actual or Potential Drought Impacts to be Addressed by the Project (20 points)

Drought conditions continue to be a critical issue for the State of California's water supply. Climate data demonstrates that California has experienced several periods of severe drought: 1928-1934, 1976-1977, 1987-1991, 2007-09, and most recently 2013-16 resulting in significant impacts to the State's water supplies. California is in its fifth year of a severe drought. San Gabriel Valley and other regions throughout California have experienced several dry years in succession with lower than normal precipitation, further limiting the ability to replenish local water supplies. With the last two years among the driest years on record, and 2014 recorded as the hottest year on record, water supplies continue to be exacerbated. Despite recent rains, the U.S. Drought Monitor reports that more than the half the state remains in a state of moderate, severe, or extreme drought (See Exhibit 8 for the U.S. Drought Monitor Map and Table).

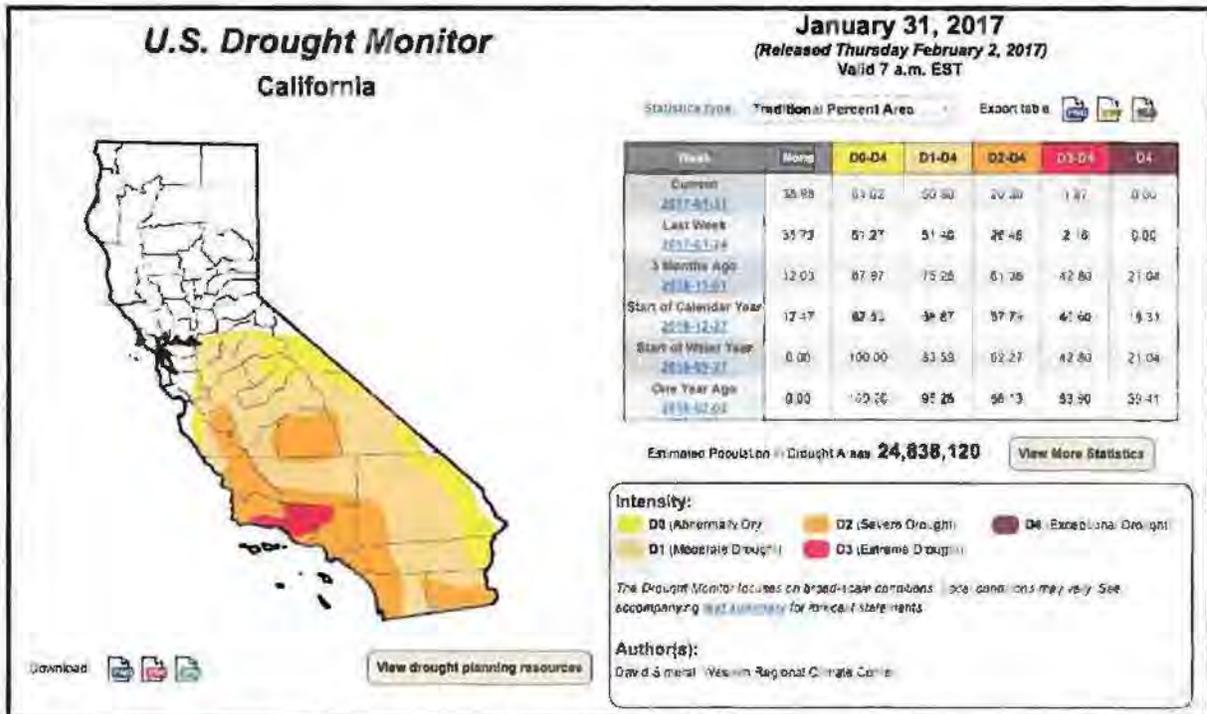


Exhibit 8: U.S. Drought Monitor shows that more than half of the state of California remain in moderate to extreme drought conditions despite the recent rains California is experiencing.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

In the midst of experiencing our worst drought in history, freshwater flows from mountain-fed rivers could see significantly less water due to climate change, according to a new climate model released by the University of California. The State of California has documented climate change assessments found at:

http://climatechange.ca.gov/climate_action_team/reports/dimate_assessments.html

Page 14 of the "Scenarios of Climate Change in California: An Overview," states that although most climate model simulations project relatively moderate changes in precipitation over this century, rising temperatures are expected to lead to diminishing snow accumulation in mountainous watersheds. Such occurrences can affect the San Gabriel Mountains. Warmer conditions during the last few decade across the western United States have already produced a shift toward more precipitation falling as rain instead of snow (Knowles et. Al. 2005) with snow over regions melting earlier in the Spring (Mote et al. 2005; Steward et al. 2005). Delays in snow accumulation and early snowmelt will affect water supplies and natural ecosystems resulting in negative impacts to agriculture, changes in wildfires, ecosystem productivity, forest resources, and other assessments

Evaluation Criterion D—Project Implementation (10 Points)

The proposed project is ready to proceed to construction upon an executed agreement with the Reclamation. The following details the scope of work, major tasks, deliverables, and a project schedule.

Project Work and Tasks. The Committee has completed design and engineering plans, specifications, and an engineer's estimate for construction costs, prepared by Civiltec Engineering Incorporated of Monrovia, California. The Committee will continue to utilize Civiltec as the Engineer on Record for completion of the construction phase of the project. The following tasks defined below will complete the proposed project and are organized to parallel the Budget and Schedule items:

Task 1: Grant Administration – Activities include coordination of all project tasks including budget, schedule, request for proposals for a construction contractor, contract award, project communication, grant and cost-share administration including preparation of invoices and financial records.

Deliverables: Executed agreement for a contracted Project Manager and construction work, invoices, meeting minutes, and other deliverables, as required.

Task 2: Project Design – The proposed project will be constructed on property that the Committee owns. Design work to construct a new River Gate Inlet Structure, selection of SCADA equipment, and construction of a Ditch Gate Structure have been completed and are ready for implementation once equipment and supplies are purchased.

Deliverables: Final design (complete).

Task 3: Environmental Documentation – Environmental documentation meeting the requirements of CEQA have already been prepared for the proposed project. The Committee will have the Reclamation evaluate the project area to determine the level of environmental documentation required.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

Deliverables: Project Manager will coordinate with Reclamation for the completion of any additional environmental documentation required. Complete and report results of any pre-activity biological survey work done at the time of construction.

Task 4: Permits and Approvals – Permitting and approval issues regarding the proposed project have been obtained and include a U.S. Army Corps of Engineers Nationwide Permit No. 18 (Permit No. 2011-00814-MAS), Clean Water Act Section 401 Water Quality Certification through the California Regional Water Quality Control Board Los Angeles Region. A Streambed Alteration Agreement No. 1600-2011-0273-R5 was sought through the State of California Department of Fish and Game Department; however, the Department did not respond before their self-imposed deadline and thus have granted the Committee the legal right to complete the project as described in our notification without an Agreement. Extensions for all agencies, as needed, will be requested by the Project Manager.

Deliverables: Completion of necessary permits, approvals and extensions, as needed, prior to construction.

Task 5: Equipment Procurement – The Committee will contract with one Project Manager and construction contractor to procure the needed equipment to complete the proposed project. Activities will include identification of equipment to be purchased, request quotes from vendors, evaluation of quotes and issuance of Purchase Orders, and coordination of equipment delivery.

Deliverables: Finalized equipment list, solicitation packages, Purchase Orders, and final delivery of equipment.

Task 6: Project Construction – Complete construction of the new River Gate Inlet Structure and Ditch Gate Structure with facility improvements to ensure continued water delivery service and improve water management of existing water supply. Activities include mobilization and site preparation (pre-construction surveys, pre-construction meetings, and equipment delivery), construction of a new River Gate Inlet Structure and a Ditch Gate Structure with a motorized weir gate with controls, construction of concrete stairs, and installation of a power line connection, SCADA communication equipment, a new trash rack, and new security fencing.

Deliverables: Construction completion.

Task 7: Construction Administration – The Project Manager will perform all construction administration.

Deliverables: Construction progress pay estimates, documentation and authorization of Change Orders, responses to Request for Information (RFIs), and final Notice of Completion.

Task 8: Project Reporting – Reports on the financial status of the project will be submitted by the Committee in accordance with the final BOR executed agreement. A final project report will be prepared upon project completion and provided to the Reclamation for review and final project closeout.

Deliverables: Financial status reports, significant development reports, and a final project report as specified in the grant agreement.

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

Exhibit 9 – Project Schedule

Task No.	Timeline Project Tasks	2017											
		Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
0	BOR Awards Announced Approx. May 2017												
1	Grant Management Administration												
2	Project Design (complete)												
3	Environmental Documentation (complete)												
4	Permits and Approvals (complete)												
5	Equipment Procurement												
6	Project Construction												
7	Construction Administration												
8	Project Reporting												

Notes: Grant Management Administration includes executing a grant agreement with BOR, kick-off meetings, and daily operations managing the project. The Committee is currently issuing an RFP for construction work and plans to award the project in May in conjunction with BOR award announcements. Construction is anticipated to begin in June/July, with a notice of completion to be filed in September 2017, and final grant reporting to be completed by December 2017.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

- Describe any permits that will be required, along with the process for obtaining such permits.

Required permits obtained for this project include U.S. Army Corps of Engineers Nationwide Permit No. 18 (Permit No. 2011-00814-MAS), Clean Water Act Section 401 Water Quality Certification through the California Regional Water Quality Control Board Los Angeles Region. A Streambed Alteration Agreement No. 1600-2011-0273-R5 was sought through the State of California Department of Fish and Game; however the Department did not respond before their self-imposed deadline and have granted the Committee the legal right to complete the project as described in our notification without an Agreement.

No other permits or approvals are anticipated. The Project Manager will apply for extensions from the appropriate agencies, as needed.

- Identify and describe any engineering or design work performed specifically in support of the proposed project.

Civiltec Engineering Incorporated of Monrovia, California has prepared the design plans, specifications, and engineer's estimate for the cost of construction. The Committee plans to continue to use Civiltec's services as the Engineer on Record for construction support through the completion of the project.

- Describe any new policies or administrative actions required to implement the project.

A Resolution has been adopted by the Committee's Board to authorize and finance the project. An executed copy will be provided to the Reclamation prior to March 14, 2017.

Evaluation Criterion E—Nexus to Reclamation (10 Points)

Reclamation Project Water. San Gabriel River Water Committee members, specifically Azusa Light & Water and the City of Glendora, have an emergency contract for delivery of Reclamation water (from the SWP and the CRA) through the Upper San Gabriel Valley Municipal Water District. The "Upper District" is one of 26 wholesale agencies served by MWD, and receives a blend of SWP and CRA water. Azusa Light & Water has one connection (USG-8) to MWD's pipeline. The USG-8 connection is located on Badillo Street east of Vincent Avenue with a rated capacity of 4.8 MGD (5,377 acre-feet per year *AFY)). See Exhibit 10 for MWD's service area map.

The proposed project is not connected to a Reclamation project or activity; nor is it on any Reclamation lands or involves any Reclamation facilities. Currently, there is not a Reclamation project in a basin with the San Gabriel River. At this time, the Committee has no current impact in helping the Reclamation meet trust responsibilities with tribes.

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

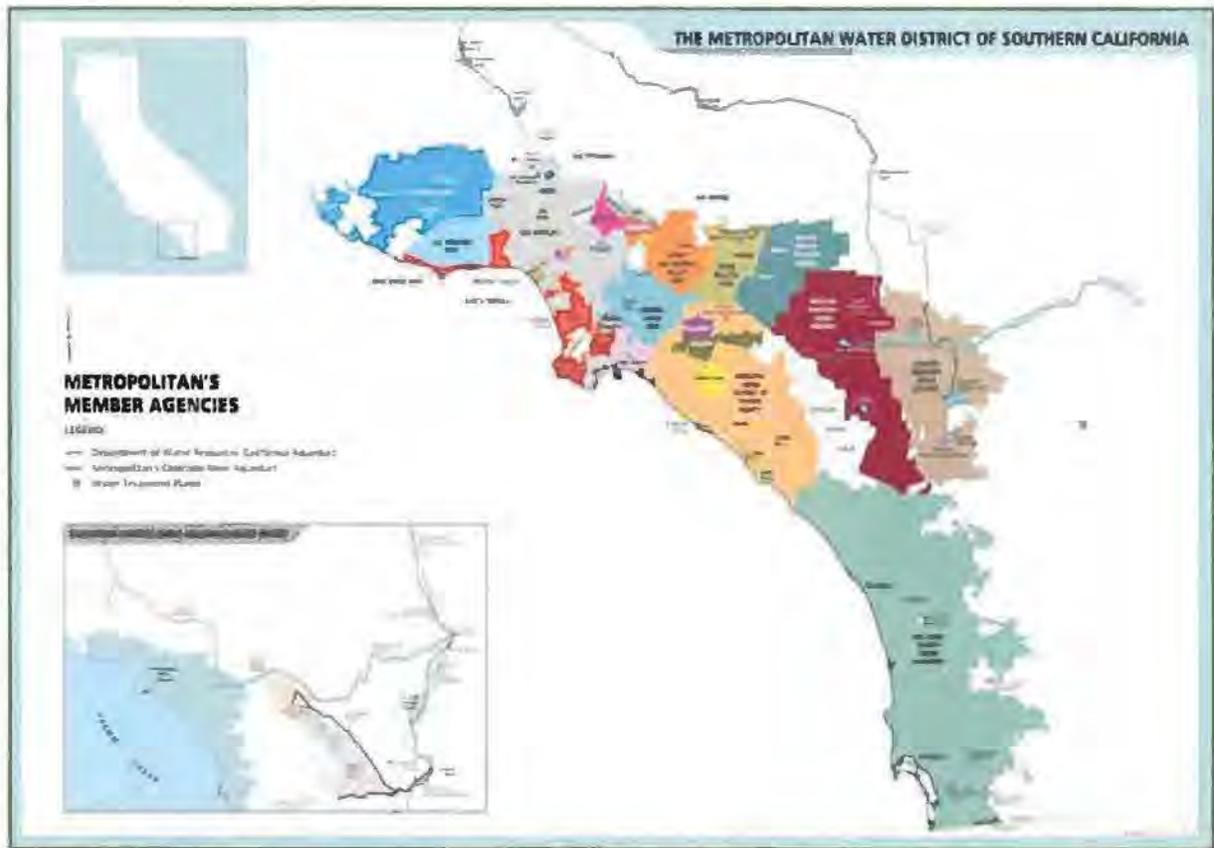


Exhibit 10: Metropolitan Water District (MWD) Service Area Map

Performance Measures:

Inlets and control structures are important components of sustainable design systems. Inlet structures allow water to flow into and control the rate at which water flows and is diverted. The proposed project has been designed to achieve specific performance measures that include the following:

Water Supply Reliability. The Committee will measure performance by the reliability to efficiently and consistently deliver an annual average of 19,396 acre-feet of water through the new River Gate Inlet Structure. The proposed project will increase the reliability of the current water supply by replacing inefficient structures (with a new River Gate Inlet Structure and Ditch Gate Structure) to continue providing water to over 250,000 residents. Water flows will be measured by the total volume of water flowing through the structures and calculated using SCADA equipment. The Committee will utilize pre- and post-project water calculations to evaluate the project performance with regard to water delivery. The Committee maintains historical water flow data to monitor production of the inlet structure. The post-project performance will be measured by documenting the amount of water flow the new inlet structure successfully delivers. The Committee plans to continue to maintain the current water delivery service and compare pre- and post-water flows to ensure

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

continued water service. Annual water flow data is available dating back fifteen years to 2002. This data will be compared to current and future water flow data for performance measurement purposes.

Measurement Tools. Digital flow meters will be utilized to measure water flows via supervisory control and data acquisition (SCADA) equipment. SCADA is a control system that uses computers, networked data communications, and graphical user interfaces for a high-level process of supervisory management. The proposed project includes the installation of state-of-art SCADA equipment to better manage the water delivery system and accurately measure water volumes. The Committee will log any problems encountered during the performance period of one year after completion of the project. No anticipated issues are expected, with the exception of occasional SCADA incidents common to technical communication devices.

Energy Efficiency. The energy required to operate the inlet structure and motorized weir gate will be recorded and reported monthly. Therefore, the power meter readings and acre-feet of water flow will be gathered and assessed as a kilowatt hour (kWh) per acre-foot efficiency value analyzed by the Committee. The data will be compared to other inlet structures and will be used to quantify how much energy is used to operate the proposed inlet structure and equipment to continue water flow operations. Energy efficiency improvements will be presented in both energy (kWh/acre-foot) and water flow units (volume of water) with the assumption that the new system will utilize less energy compared to the current inefficient system.

Water Management. The proposed project will improve water management of an annual average of 19,396 acre-feet of water saving the Committee money in operating a structure that bolsters sustainability. Upgraded automated SCADA equipment that provides a means of remote access will help protect the overall water system and operations in the event of a seismic occurrence. In addition, being able to better monitor water flows will allow the Committee to identify water issues (shortages, breaks in service, etc.) and address problems more quickly and efficiently.

*****End 20-page limit*****

ENVIRONMENTAL AND CULTURAL RESOURCES COMPLIANCE

Environmental documentation meeting the requirements of CEQA have already been prepared for the proposed project. The Committee filed for a Notice of Exemption and was approved (See Appendix B). The Committee will discuss with BOR further evaluation needed to determine the level of environmental documentation required. The Committee will comply with all environmental regulations, as required. Below are answers to the environmental and cultural resources questions.

- **Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.**

This proposed project will construct a new River Gate Inlet Infrastructure and Ditch Gate Structure and render the current system inoperable. Per the required permits, the Committee is required to complete the project within the seasonal work period and implement all avoidance and mitigation measures to protect fish and wildlife resources. Seasonal work periods shall take place during the months of June, July, August, and September, which is considered the dry-season when minimal water is present in the river. Project related activities shall not cause a disturbance or removal of any vegetation within the vicinity of the work site. Neither the construction work or installation of equipment and materials will negatively affect the air, water or animal habitat.

The Committee Administrator will coordinate with the operator of Morris Dam so that no releases will occur during construction. A temporary berm made of sand bags will be placed within the diversion channel, upstream of the construction area. Silt screen fencing will be placed outside of the jurisdictional waters boundary so that no unintentional erosion occurs in the San Gabriel River. The project construction will be completed prior to the rainy season causing minimal impacts to the current water supply.



Exhibit 11: Morris Dam: The Committee will coordinate releases during the construction period at this site.

- **Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?**

The San Gabriel River, particularly the East Fork and tributaries thereof have been designated as a critical habitat for endangered Mountain yellow-legged frog (*Rana muscosa*). Other epidemic fish species include the Santa Ana sucker (*Catostomus santaanae*) and the Santa Ana speckled dace (*Rhinichthys osculus ssp*). However, no

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

endangered species or critical habitat will be adversely affected by any activities associated with the proposed project.

- **Are there wetlands or other surface waters inside the project boundaries that potentially fall under Clean Water Act (CWA) jurisdiction as "Waters of the United States?" If so, please describe and estimate any impacts the proposed project may have.**

Yes, non-wetland waters (vegetated streambed): 0.002 temporary acres (two linear feet) as per the U.S. Army Corps of Engineers Permit No. 18 (Permit No. 2011-00814-MAS) are within the project boundaries that potentially fall under the Clean Water Act (CWA).

The Committee will provide compensatory mitigation to offset the proposed temporary loss of 0.002 acres of waters of the United States by creating or restoring riparian habitat at a minimum 1:1 area replacement ratio (0.002 acres). The mitigation site shall be located within the San Gabriel River Watershed unless otherwise approved by the Regional Board. The Committee will submit a Proposed Mitigation Report that includes:

- a) Documentation from a third party indicating that funds have been used for mitigation acreage only, which do not include administrative costs;
- b) The boundary of the mitigation site shall be clearly identified on a map of suitable resolution and quality and shall also be defined by latitude and longitude;
- c) The type(s) of mitigation shall be described (e.g. removal of exotic and/or replanting with native species, etc.); and
- d) Success criteria shall be established.

The above information will be submitted to the Regional Board for approval prior to any disturbance within waters of the United States and shall include copies all agreements made between the Committee and a third party organization regarding compensatory mitigation efforts.

Please see the next section (Permits and Approvals) for a copy of the above referenced permit.

- **When was the water delivery system constructed?**

Circa 1889. The Compromise of 1889 established water rights to the San Gabriel River Water Committee, which continues today and has successfully stood the test of time and litigation.

- **Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.**

No. The project infrastructure is not part of an irrigation system. However, the project includes canals, inlets, and diversion structures originally built in the 1800's. Since its initial build, there have been no extensive alterations or modifications to the structures.

- **Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.**

San Gabriel River Inlet Structure Project

BOR WaterSMART: Drought Resiliency Grant FY 2017

No. To the Committee's knowledge, there are no buildings, structures, or features in the district listed or eligible for listing on the National Register of Historic Places.

- Are there any known archeological sites in the proposed project area?

No. There are no known archeological sites in the proposed project area.

- Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?

No. The proposed project will not have a disproportionately high or adverse effect on low-income or minority populations. In fact, the proposed project will ensure reliability for low-income and minority populations in the Committee Members' service areas.

- Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

No. The proposed project will not limit access to any ceremonial use of Indian sacred sites or result in other impacts to tribal lands.

- Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?

No. The proposed project will not contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species.

See attached Appendices (B) for environmental documentation.

DROUGHT PLAN

Attached are the

- Azusa Light & Water 2015 Urban Water Management Plan referencing relevant pages from Section 5: Reliability Planning and Section 7: Contingency Planning, which demonstrates support of the proposed project's effort to continue water delivery service.
- California American Water 2015 Urban Water Management Plan referencing relevant pages from Section 6: Water Supply Reliability and Water Storage Contingency Planning.

REQUIRED PERMITS OR APPROVALS

The Committee has obtained the required permits for this project that include:

- U.S. Army Corps of Engineers Nationwide Permit No. 18 (Permit No. 2011-00814-MAS), Clean Water Act Section 401 Water Quality Certification through the California Regional Water Quality Control Board Los Angeles Region.
- A Streambed Alteration Agreement No. 1600-2011-0273-R5 was sought through the State of California Department of Fish and Game. However, the Department did not respond before their self-imposed deadline and have granted the Committee the legal right to complete the project as described in our notification without an Agreement.

No other permits or approvals are anticipated. The Project Manager will seek any necessary extensions required from the appropriate agencies.

See the attached Appendices (C) for the above referenced permits.

LETTERS OF SUPPORT

1. Congresswoman Grace F. Napolitano
2. City of Duarte – Darrell George, City Manager
3. City of Covina - Brian Saeki, City Manager

CAPITOL OFFICE
1610 LONGWORTH BUILDING
WASHINGTON, DC 20515
(202) 225-5255
FAX (202) 225-0027

DISTRICT OFFICE
4401 SANTA ANITA AVE, #201
EL MONTE, CA 91731
(526) 350-0130
FAX (626) 350-0450

www.napolitano.house.gov



TRANSPORTATION AND INFRASTRUCTURE
WATER RESOURCES AND ENVIRONMENT—RANKING MEMBER
HIGHWAYS AND TRANSPORT
RAILROADS, PIPELINES, AND HAZARDOUS MATERIALS

NATURAL RESOURCES
WATER AND POWER

CONGRESSIONAL YOUTH CHALLENGE
CAUCUS
Co-CHAIR

CONGRESSIONAL HISPANIC CAUCUS

Grace F. Napolitano
Congress of the United States
House of Representatives
32nd District of California

February 1, 2017

Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225

Subject: WaterSMART Application for the San Gabriel River Inlet Replacement Infrastructure Project

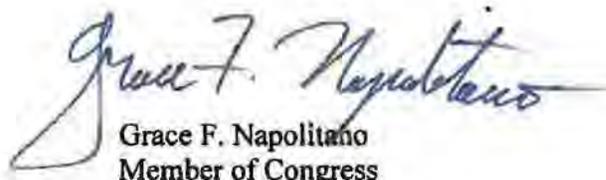
Dear Mr. Reichert:

I write in strong support of the San Gabriel River Water Committee's application for a WaterSMART drought resiliency grant for the River Inlet Replacement Infrastructure Project. This project is intended to improve water management and the delivery of water during California's ongoing drought conditions.

The current inlet structure was built in the 1800's and is in dire need of replacement with a more efficient and productive system. The proposed project will reconstruct the existing water inlet structure along the San Gabriel River to allow for motorized operation and upgraded communication equipment resulting in better water management practices. Given Southern California's extensive drought conditions, this project will provide vital improvements to the region's infrastructure, while improving safety and system operations.

I am appreciative that the San Gabriel River Water Committee has made this grant request in order to improve water management and water conveyance efficiency for my constituents. I strongly support this application and ask that you give it careful consideration.

Sincerely,


Grace F. Napolitano
Member of Congress



City of Duarte

Sixteen Hundred Huntington Drive, Duarte, California 91010-2592
Tel 626-357-7931 FAX 626-358-0018 www.accessduarte.com

February 6, 2017

Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225

Mayor
Margaret E. Finlay
Mayor Pro Tem
John Fasano
Councilmembers
Samuel Kang
Tzeitel Paras-Caracci
Liz Reilly
City Manager
Darrell George

RE: San Gabriel River Inlet Replacement Infrastructure

Dear Mr. Reichert:

The City of Duarte is happy to support the San Gabriel River Water Committee's project to replace the existing inlet structure in the San Gabriel River. We appreciate the WaterSMART programs the Bureau of Reclamation makes available, to provide funding for projects that implement environmentally sound water conservation practices and improve water management that affects our City.

The City of Duarte relies on the San Gabriel River for water delivery service. We fully support all efforts being made to replace the existing structure with an efficient structure that includes state-of-the-art equipment for long-term operational capacity. The future water delivery service for our City is dependent upon this important and vital project. Despite the recent rain California has been experiencing, our State has suffered through more than five years of drought. For this reason, it is imperative that the Committee obtain funding to complete this project in order to continue providing water delivery service to our City.

We strongly encourage your approval of the San Gabriel River Water Committee's application and hope you will fund this timely and worthy project to improve water management practices.

Sincerely,

Darrell George
City Manager
City of Duarte



February 6, 2017

Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225

RE: San Gabriel River Inlet Replacement Infrastructure

Dear Mr. Reichert:

On behalf of the City of Covina, I am providing this letter in support of the San Gabriel River Water Committee's project to the Bureau of Reclamation WaterSMART program for the Drought Resiliency Grant. As the City of Covina receives the majority of its water from the San Gabriel River, this project is of the utmost importance to our residents. The Committee's proposed project to replace an existing inlet structure in the San Gabriel River that is over 100 years old is a necessity to the overall health and continued water delivery service for our City.

In light of the California drought, we are in full favor of replacing an old and inefficient structure to improve the long-term operational capacity of our water system. We support the Committee's efforts to implement improved water management strategies to increase the efficiency of our water system, while positively impacting our environment by helping to address California's current drought crisis.

I strongly encourage you to fund this important and timely project, which is critical to the continued and future water delivery service to our City and its residents.

Sincerely,

CITY OF COVINA

Brian Saeki
City Manager

BS:mv

RESOLUTION - DRAFT

Attached a draft Resolution. The San Gabriel River Water Committee's Board will meet on February 21, 2017 to review and approve this Resolution. An executed copy will be provided to the BOR prior to March 14, 2017.

RESOLUTION NO. _____

A RESOLUTION OF THE SAN GABRIEL RIVER WATER COMMITTEE APPROVING THE SUBMISSION OF AN APPLICATION FOR GRANT FUNDS FROM THE BUREAU OF RECLAMATION'S WATERSMART DROUGHT RESILIENCY PROJECT GRANT FOR THE SAN GABRIEL RIVER INLET STRUCTURE PROJECT.

WHEREAS, the San Gabriel River Water Committee (Committee) is a court formed management agency created in 1889 as a result of a compromise agreement between parties with an interest in the San Gabriel River water; and

WHEREAS, the Committee has evolved into an organization of four entities who appoint governance members with the purpose of administering the diversion of the limited water supply of the San Gabriel River, which includes building and maintenance of the infrastructure for water delivery; and

WHEREAS, the Committee authorizes preparing an application to apply for federal funding from the United States Department of the Interior, Bureau of Reclamation (Reclamation) to assist in the funding of the [San Gabriel River Inlet Structure] Project to reconstruct the existing inlet structure of the Azusa-Duarte Tunnel at the San Gabriel River and the adjacent flow control structure for improved safety and system operations; and

WHEREAS, the funding opportunity provided by Bureau Reclamation through their Grant Program entitled "WaterSmart Drought Response Program: Drought Resiliency Projects for FY 2017" Funding Opportunity Announcement No. is BOR-DO-17-F010; and

WHEREAS, the Committee owns and operates an existing river water gate flow structure and a ditch weir gate that has become antiquated and is unsafe to operate; and

WHEREAS, the proposed [San Gabriel River Inlet Structure] Project will benefit users in the Committee of Nine service territory by providing a modernized two water gate flow control structure, the San Gabriel River Diversion Structure 1 and a Ditch Water Gate Structure 2 for improved safety and system operations; and

WHEREAS, the San Gabriel River Water Committee intends to enter into an agreement with Reclamation to carry out the [San Gabriel River Inlet Structure] Project if the WaterSmart Grant is awarded to the San Gabriel Water Committee.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Gabriel River Water Committee hereby finds, determines and declares as follows:

SECTION 1. Approves the filing of an application for the [San Gabriel River Inlet Structure] Project;

SECTION 2. Certifies that Committee understands they will work with Reclamation to meet established deadlines for entering into a grant or cooperative agreement;

SECTION 3. Certifies that Applicant is capable of providing the amount of funding specified in the application; and,

**TO BE PRESENTED AT BOARD MEETING ON FEBRUARY 21,2017
COMMITTEE WILL PROVIDE BOR AN EXECUTED COPY BY MARCH 14, 2017**

SECTION 4. Appoints the Administrator, or designee, as agent to conduct all negotiations, execute and submit all documents including, but not limited to applications, agreements, payment requests and so on, which may be necessary for the completion of the aforementioned project.

PASSED, APPROVED and ADOPTED this 21st day of February, 2017.

Dave Davies, Secretary
City of Glendora

Monica Na, Member
California American Water

David DeJesus, Chairman
Covina Irrigating Company

George Morrow, Vice Chairman
City of Azusa

I HEREBY CERTIFY that the foregoing Resolution No. _____ was duly adopted by the Board of Directors of the San Gabriel River Water Committee at its monthly Board meeting held on the 21st day of February, 2017, by the following vote of Council:

AYES: BOARDMEMBERS:
NOES: BOARDMEMBERS:
ABSENT: BOARDMEMBERS:

[Name]
[Title]

APPROVED AS TO FORM:

[Name]
Board Attorney

San Gabriel River Inlet Structure Project
BOR WaterSMART: Drought Resiliency Grant FY 2017

PROJECT BUDGET – FUNDING PLAN

The total project cost is \$689,093 with \$300,000 requested in grant funding from the Reclamation.

The San Gabriel River Water Committee will provide a match of \$389,093, to be split evenly among the Committee’s four members: California American Water, Covina Irrigating Company, Azusa Light & Water, City of Glendora. Each member will contribute \$97,273.25 in matching funds. Attached are letters of commitment from each member validating the match commitment.

Funding Source	Funding Amount	Percentage
Non-Federal Entities:		
California American Water Company	\$97,273.25	14%
Azusa Light & Water	\$97,273.25	14%
City of Glendora	\$97,273.25	14%
Covina Irrigating Company	\$97,273.25	14%
Sub-Total of Non-Federal Entities (match)	\$389,093.00	56%
BOR Grant Funding Request	\$300,000.00	44%
Total	\$689,093.00	100%

San Gabriel River Inlet Infrastructure Project						
Project Budget						
Item Description	Computation			Total Cost	Local Cost Share for BOR Grant Purposes	BOR Grant Request
	\$/Unit	Unit	Quantity			
Salaries and Wages						
Project Management, Inspection Services, Labor Compliance (would be good to have a breakdown of these costs)	80,948	Lump Sum	1	\$ 80,948	580,948	\$0
Fringe Benefits				\$ -		
Travel				\$ -		
Purpose of trip, destination, # of persons				\$ -		
Equipment (greater than \$5,000)						
Ditch Weir						
Weir Gate	70,000.0	Each	1	\$70,000	\$35,000	\$35,000
SCADA Equipment	35,000.0	Lump Sum	1	\$35,000	\$17,500	\$17,500
Equipment Rental	18,000.0	Lump Sum	1	\$18,000	\$9,000	\$9,000
River Inlet						
Weir Gate	75,000.0	Each	1	\$75,000	\$37,500	\$37,500
SCADA Equipment	35,000.0	Lump Sum	1	\$35,000	\$17,500	\$17,500
Equipment Rental	30,000.0	Lump Sum	1	\$30,000	\$15,000	\$15,000
Supplies/ Materials						
Ditch Weir						
Channel Walls	1	Lump Sum	4000	\$4,000	\$0	\$4,000
Weir Structure	1	Lump Sum	6500	\$6,500	\$0	\$6,500
Rebar	1	Lump Sum	2500	\$2,500	\$0	\$2,500
Concrete	1	Lump Sum	8500	\$8,500	\$0	\$8,500
Grout Rip Rap	1	Lump Sum	5500	\$5,500	\$0	\$5,500
Power Supplies	1	Lump Sum	3500	\$3,500	\$0	\$3,500
Handrails	1	Lump Sum	3500	\$3,500	\$0	\$3,500
River Inlet						
Inlet Structure	1	Lump Sum	5000	\$5,000	\$0	\$5,000
Cutoff Wall	1	Lump Sum	4500	\$4,500	\$0	\$4,500
Rebar	1	Lump Sum	3500	\$3,500	\$0	\$3,500
Concrete	1	Lump Sum	9500	\$9,500	\$0	\$9,500
Catwalk	1	Lump Sum	5000	\$5,000	\$0	\$5,000
Stairs & Handrails	1	Lump Sum	5500	\$5,500	\$0	\$5,500
Power Supplies	1	Lump Sum	7500	\$7,500	\$0	\$7,500
Trash Rack	1	Lump Sum	4500	\$4,500	\$0	\$4,500
Fence & Gates	1	Lump Sum	3500	\$3,500	\$0	\$3,500
Contractual /Construction						
Labor - Ditch Weir	\$75,000	Lump Sum	1	\$75,000	\$42,000	\$33,000
Labor - River Inlet	\$115,000	Lump Sum	1	\$115,000	\$62,000	\$53,000
Environmental						
Should be equip to at least 1 to 2% of total project costs	\$10,000	Lump Sum	1	\$10,000	\$10,000	\$0
Other						
Any other expenses not included above					\$0	\$0
Total Direct Project Costs				\$ 626,448	\$326,448	\$300,000
Indirect	Direct Costs		Percentage			
Up to 10% of total direct costs	\$626,448		0.1	\$62,645	\$62,645	\$0
Total Project Costs				\$689,093	\$389,093	\$300,000
Percentage Contribution by Funding Source				100%	56%	44%



City of Azusa

February 6, 2017

Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225

RE: San Gabriel River Inlet Replacement Infrastructure

Dear Mr. Reichert:

Azusa Light & Water, along with other members of the San Gabriel River Water Committee, strongly support the Committee's Inlet Replacement Infrastructure Project application to the Bureau of Reclamation WaterSMART Drought Resiliency Project Grant. Our Committee is comprised of four entities (Covina Irrigating Company, California American Water, City of Glendora, and Azusa Light & Water) and operates with the purpose of administering the diversion of the limited San Gabriel River water supply. This includes building adequate infrastructure for safe and reliable water delivery.

The existing inlet in the San Gabriel River is over 100 years old and in desperate need of replacement. The proposed project will replace this aging and dilapidated inlet that has limited operational capacity, and will provide ongoing benefits to build long-term resilience addressing California's drought. The project will modernize two water gate flow control structures to provide improved water delivery services to implement more efficient water management practices.

As a member of the San Gabriel River Water Committee, we agree to equally share in the total cost of the project with our members. We are committed to provide \$97,276.25 towards the total project cost. These funds will be made available without any constraints and are not attached to any contingencies that would hinder the project from progressing.

We strongly urge BOR to fund this important project that will improve our local water infrastructure and enable us to implement water management activities required by State law for conservation and efficiency of our water resources.

Sincerely,

George F. Morrow
Director of Utilities



February 1, 2017

**Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225**

Subject: San Gabriel River Inlet Replacement Infrastructure

Dear Mr. Reichert:

The City of Glendora is a member of the San Gabriel River Water Committee and is in full support of the Committee's San Gabriel River Inlet Replacement Infrastructure Project to the Bureau of Reclamation WaterSMART Drought Resiliency Project Grant. This project will address a long overdue need to improve the safety and operations of the existing inlet structure that controls water flow of the Azusa-Duarte Tunnel and the adjacent structure at the San Gabriel River. Replacing this structure, which provides water to thousands of residents in over six cities, will improve the Committee's ability to continue to deliver water to its customers during California's current drought.

In conjunction with other members of the Committee (California American Water, Covina Irrigating Company, and Azusa Light & Water), the City of Glendora is committed to share in the total cost of the project equally with its members. We commit to providing \$97,276.25 towards the total project cost. These funds are immediately available without any constraints and are not attached to any contingencies that would hinder the project progressing.

The City of Glendora is excited to participate in this important project that will significantly improve water management and help to implement strategies that address California's drought. I hope BOR supports the Committee's project and funds the San Gabriel River Inlet Infrastructure project.

Sincerely,

A handwritten signature in blue ink, appearing to read "David A. Davies".

**David A. Davies
Director of Public Works**



8657 Grand Ave v
Rosemead, CA 91770 v

P 626.614.2518
F 626.286.v501 v

February 6, 2017

Bureau of Reclamation (BOR) B
Financial Assistance Operations B
Attn: Mr. Matthew Reichert B
Mail Code: 84-27852 B
PO Box 25007 B
Denver, CO 80225 B

Subject: San Gabriel River Inlet Replacement Infrastructure B

Dear Mr. Reichert: B

As a member of the San Gabriel River Water Committee, California American Water strongly B supports the San Gabriel River Inlet Replacement Infrastructure Project application to the Bureau B of Reclamation WaterSMART program. This project will enable the Committee to utilize more B efficient equipment to control the flow of water through the Azusa-Duarte Tunnel at the San B Gabriel River. Improving water management will allow the Committee to continue providing safe B and efficient water delivery services to the region's residents. B

The California American Water Company is joining other Committee members that include the B City of Glendora, Covina Irrigating Company, and Azusa Light & Water to share in the total cost B of the project. B We commit to providing \$97,273 towards the total project cost inclusive of grant B funding. These funds are immediately available without any constraints and are not attached to B any contingencies that would hinder the project progressing. B

We are thrilled to be a part of this beneficial project that reflects the BOR's goals to build long-B term resilience in light of the State's drought, and improve the ability of our water managers to B control water delivery services to our customers. We hope you will fund this worthy project. B

Sincerely,

Monica Na B

Manager of Operations B
Los Angeles County District B
California American Water Company B

COVINA IRRIGATING COMPANY



February 6, 2017

Bureau of Reclamation (BOR)
Financial Assistance Operations
Attn: Mr. Matthew Reichert
Mail Code: 84-27852
PO Box 25007
Denver, CO 80225

RE: San Gabriel River Inlet Replacement Infrastructure

Dear Mr. Reichert:

The Covina Irrigating Company is excited to join with its members of the San Gabriel River Water Committee to support the Committee's Inlet Replacement Infrastructure Project application to the Bureau of Reclamation WaterSMART Drought Resiliency Project Grant. This project will modernize two water gate flow control structures that have become antiquated and unsafe to operate. The proposed project will help increase efficiency of the water flow control structure and ensure long-term resilience in the Committee's water management practices.

As a member of the San Gabriel River Water Committee, we agree to equally share in the total cost of the project along with our members comprised of the Covina Irrigating Company, the California American Water Company, the City of Glendora, and the Azusa Light & Water. We commit to providing \$97,273.25 towards the total project cost. These funds are immediately available without any constraints nor attached to any contingencies that would hinder the project progressing.

The proposed project will significantly improve our local water infrastructure by replacing an old, outdated structure with a new, efficient structure, which will include updated 'smart' equipment to improve water communication. We wish to do our part by implementing better water management activities required by State law for conservation and efficiency in our water resources. We look forward to additional funding from the BOR to complete this worthy project.

Sincerely,


David DeJesus, President / CEO
Covina Irrigating Company

PROJECT BUDGET – NARRATIVE

Salaries and Wages – Total salaries of \$80,948 are anticipated for the following staff

- **Administrative & Project Management Support Staff:** A combination of administrative and project management staff time during the project period to facilitate the RFP process and hire a qualified contractor. The staff team will include a Project Director, Project Manager, and Project Assistant. Duties include development of an RFP, review of proposals and the selection of a qualified contractors, participation in regular project meetings, and management of reporting, payments and invoicing associated with the grant.
- **Inspection Fees**

Fringe Benefits - Not Applicable.

Equipment – Total equipment costs are \$263,000 and anticipated for the following:

- \$145,000 for two weir Gate gates
- \$70,000 for SCADA Equipment
- \$48,000 for rental equipment

The Project Manager will research equipment costs and submit a Purchase Order to the Project Director for payment. The Project Manager will be responsible for the purchase and delivery of the said equipment.

Supplies & Materials – Total supplies are \$82,500 and anticipated for the following items:

- **Ditch Weir supplies** include: Channel walls, weir structure, rebar, concrete, grout rip rap, power supplies, and handrails. The total amount of supplies for the ditch weir is \$34,000
- **River Inlet supplies** include: inlet structure, cutoff wall, rebar, concrete, catwalk, stairs and handrails, power supplies, trash rack, fence and gates. The total amount of duple for the river inlet is \$48,500

Contractual/Construction – The Committee will hire a qualified contractor to complete the construction phase of the project. Construction costs are anticipated at \$190,000 to complete both the ditch weir and river inlet project.

Permitting/Environmental - Environmental costs of \$10,000 will cover extension permit fees and Project Management staff time associated with seeking and preparing additional documentation for permit extensions or any additional CEQA and NEPA documentation required by BOR.

Other Costs - Not Applicable

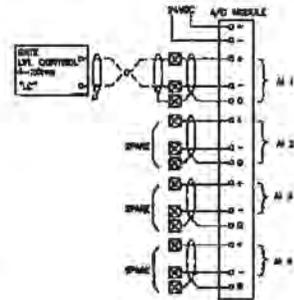
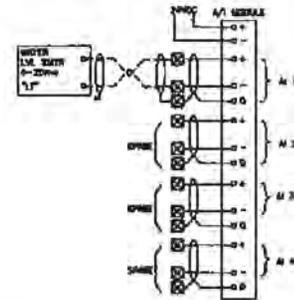
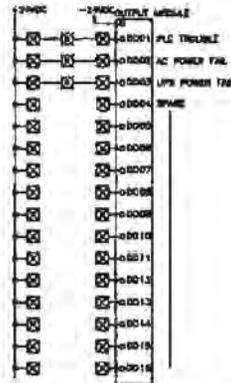
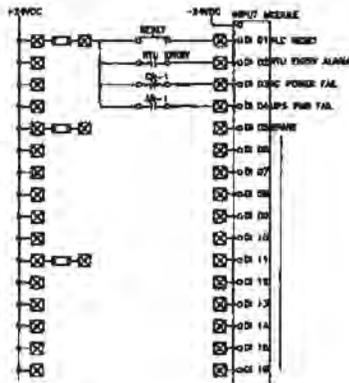
Indirect – The Committee has included a 10% indirect cost rate towards the total project budget to cover office supplies, utilities, use of office space, etc.). This item will be funded from the local match.

APPENDICES

- A. Design Layouts – River Gate Inlet Structure and Ditch Gate Structure
- B. Environmental Documentation
- C. Permitting & Approvals

Appendix A - Design Layouts

1. River Gate Inlet Structure
2. Ditch Gate Structure



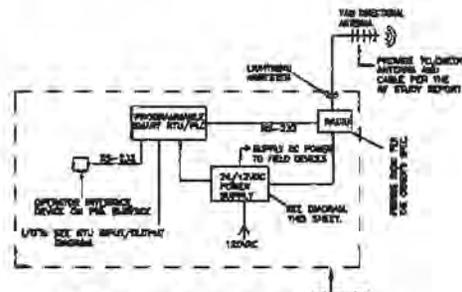
NOTES FOR RTU/COMMUNICATION SYSTEM

- THE RELIABILITY OF ANY DEVICES WITH MICRO PROCESSOR SHALL BE PROVIDED WITH THE SOFTWARE.
- CONTRACTOR SHALL PROGRAM THE SOFTWARE AND SHALL MODIFY THE FIRST SCADA SYSTEM PROGRAM TO ACCOMMODATE THE NEW RTU FOR THE OWNER'S OPERATIONAL REQUIREMENTS. CONSULT THE OWNER TO REVIEW AND CONFIRM THE FUNCTIONAL LOGIC REQUIREMENTS. THESE SHALL BE DRAFTED BY THE CONTRACTOR BASED ON HIS STUDY FOR THE STUDY.
- THE SOFTWARE SHALL BE PROGRAMMED AND INSTALLED IN THE EQUIPMENT FOR READY OPERATION AT THE START-UP. THE SOFTWARE PROGRAM SHALL NOT BE DELETED OR LOCKED BY ANY SECURITY CODE SO THAT ANY OPERATOR CAN EASILY ACCESS THE PROGRAM FOR FIELD MODIFICATION OR ADDITIONS.
- PROVIDE THE PROGRAM ACCESS-RESTRICTED DEVICES WITH THE PRE-INSTALLED PROGRAMMING/CONTROL SOFTWARE.
- SUBMIT HARD COPY AND THE ELECTRONIC FILE OF ALL THE SOFTWARE PROGRAMS INSTALLED IN THE SOFTWARE AS A PART OF THE SHOP DRAWING SUBMITTAL.
- PROVIDE HARD COPY OF STUDY REPORT PRIOR TO SHOP CONSTRUCTION. PROVIDE THE ACTUAL TEST BASED ON THE WIT FOR THE STUDY. RECOMMEND THE BEST LOCATION POINT FOR THE COMMUNICATIONS. SUBMIT THE WIT STUDY REPORT FOR AN APPROVAL. PROVIDE THE STUDY BASED ON THE STUDY RESULTS AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL CONSULT THE OWNER FOR ADDITIONAL I/O OTHER THAN THE SHOWN ON THIS SCHEDULE.

PLC/RTU INPUT/OUTPUT DIAGRAM

- SYMBOLS**
- () FOR OTHER SYMBOLS
 - ☑ NOMINAL FOR RTU CONNECTION
 - ☐ FUSE AT TERMINAL BLOCK



NOTES

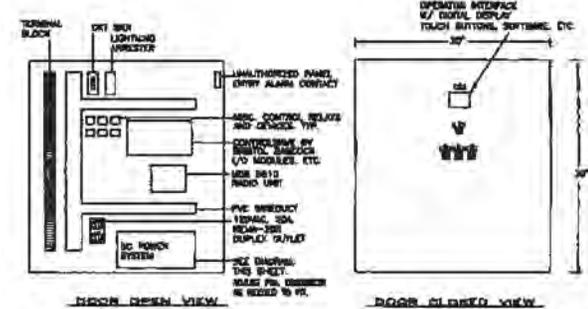
PROVIDE THE COMPLETE SYSTEM PER THE OWNER WIT.

CONTRACTOR SHALL PERFORM THE WIT STUDY PRIOR TO COMMENCE ANY ACTIVITY FOR RTU/TELEMETRY SYSTEM. THE WIT STUDY SHALL ALSO UTILIZE WIT PROPOSAL AND ANNOTATE TO TEST ACTUAL RELIABILITY OF THE SCADA ENGINEERING. LOCKED THE APPROVAL AND SOCIAL SECURITY NUMBER NECESSARY BASED ON THE STUDY.

RTU/TELEMETRY SYSTEM COMMUNICATION BLOCK DIAGRAM

REQUIREMENTS FOR SCADA SYSTEM AND GRAPHIC SCREEN DEVELOPMENT FOR OPERATOR INTERFACE

THE CONTRACTOR SHALL BE THE RESPONSIBILITY FOR MODIFICATION OF THE EXISTING SCADA SYSTEM PROGRAMMING TO ACCOMMODATE THE NEW RTU. THE GRAPHIC SCREEN SHALL BE DEVELOPED TO MATCH THE EXISTING SCREENS OF THE SCADA SYSTEM FOR THE OPERATOR INTERFACE. ALL THE INPUTS AND OUTPUTS IN THE I/O DRAWING SHALL BE IDENTIFIED ON THE SCREENS TO MATCH THE EXISTING SCADA SYSTEM.



NAMEPLATE SCHEDULE

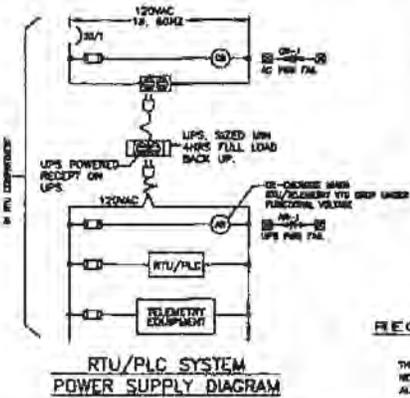
- ELEMENTS SHOW THE PREPARED LAYOUT OF THE SECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF THE LAYOUT AND SIGNALS WIRING DRAWING FOR THE RTU/TELEMETRY SECTION BASED ON THE CONTRACTOR'S FIELD INVESTIGATION, I/O MODIFICATION AND THE OWNER'S AND THE RTU EQUIPMENT WIT'S REQUIREMENTS. CONSULT THE OWNER TO REMOVE THE OWNER'S MOUNT. SUBMIT THE DRAWING AS A PART OF THE SHOP DRAWING FOR THE OWNER'S APPROVAL.
- PROVIDE SPARE TERMINALS (BLOCK) IN ADDITION TO THE TERMINALS SHOWN FOR THE I/O SIGNAL. TERMINALS SHALL BE ARRANGED ON ONE SIDE OF THE BLOCK PANEL IN THE TELEMETRY SECTION NOT TO INTERFERE WITH THE RTU EQUIPMENT INSTALLATION.
- CONTRACTOR SHALL BE THE RESPONSIBILITY FOR SOFTWARE PROGRAMMING OF THE RTU/PLC.

RTU/TELEMETRY SECTION DETAIL

NOTES FOR EQUIPMENT VIEW AND DIAGRAMS

DRAWINGS AND DETAILS ON THIS SHEET ARE SHOWN FOR THE REFERENCE ONLY. CONTRACTOR SHALL EMPLOY THE CITY'S SCADA SYSTEM INTERFACER TO INSTALL THE COMPLETE SCADA SYSTEM BASED ON THIS DRAWING. CONTRACTOR SHALL SUBMIT THE FINAL SCADA DRAWING, DIAGRAM AND SPECIFICATIONS BASED ON THE CITY AND THE EQUIPMENT WIT'S REQUIREMENTS FOR THE CITY'S APPROVAL.

ALL THE NEW EQUIPMENT COMPONENTS AND PROGRAMMING SHALL MATCH THE EXISTING SYSTEM. SO THAT THE NEW RTU/TELEMETRY EQUIPMENT CAN FUNCTION WITH THE CITY'S EXISTING SYSTEM AS ONE INTEGRATED SCADA/TELEMETRY SYSTEM TO MEET THE CITY'S REQUIREMENTS. REGARDLESS ANY INDICATIONS SHOWN ON THE DRAWINGS.



REFERENCES	
NO.	DESCRIPTION



APPROVED BY: _____
 DATE: _____

CIVOTEC
 engineering inc.
 118 West Lane Avenue
 Modesto, CA 91016
 Phone: (416) 357-0248
 Fax: (416) 303-7977
 Web: www.civotec.com

COMMITTEE OF NINE					
SAN GABRIEL RIVER WATER COMMITTEE					
WATER GATE STRUCTURE IMPROVEMENT PLANS					
RTU/TELEMETRY DETAIL, RIVER INLET SITE - ELECTRICAL					
REVISION	CL	CHECKED	CL	DRAWN	VL

Appendix B – Environmental Documentation

Notice of Exemption

To: Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

From: (Public Agency) City of Azusa
213 E. Foothill Boulevard
Azusa, CA 91702-2550

County Clerk/Recorder
County of Los Angeles
12400 Imperial Highway
Norwalk, CA 90650

Project Title: San Gabriel River Inlet Replacement Structure and Replacement Flow Control Structure at Water Treatment Plant.

Project Location – Specific: along the San Gabriel River at the northwest corner of San Gabriel Canyon Road and Mountain Laurel Way Bridge and at the Azusa Water Treatment Plant site approximately 1 mile to the southwest

Project Location – City: Azusa

Project Location – County: Los Angeles

Description of Nature, Purpose, and Beneficiaries of Project:

See Attached.

Name of Public Agency Approving Project:

City of Azusa, Dept. of Light and Water
213 E. Foothill Boulevard
Azusa, CA 91702-2550

Name of Person or Agency Carrying Out Project:

San Gabriel River Water Committee
729 N. Azusa Avenue
Azusa, CA 91702-2543

Exempt Status: (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15296(a));
- Emergency Project (Sec. 21080(b)(4); 15269
- Categorical Exemption. State type/Section Number: Class 2/Section 15302
- Statutory Exemption. State code number:

Reasons why project is exempt: See Attached.

Lead Agency Contact Person: Chet F. Anderson, P.E. Area Code/Telephone: 626-812-5209

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project?
 Yes No

Signature: _____ Date: _____ Title: _____

- Signed by Lead Agency
- Signed by Applicant

Date received for filing at OPR: _____

San Gabriel River Inlet Replacement Structure and Replacement Flow Control Structure at Azusa Water Treatment Plant

Nature, Purpose, and Beneficiaries of Project:

The San Gabriel River Water Committee (Committee of 9 or C9) is a court-formed management agency created in 1889 to manage the surface water rights of its member agencies on the San Gabriel River. The C9 diverts water from the river through the Azusa-Duarte Tunnel for conveyance to surface water treatment plants, irrigation fields, and spreading grounds. The C9 proposes to reconstruct the existing inlet structure of the Azusa-Duarte Tunnel at the San Gabriel River and the flow control structure in a ditch at the Azusa Water Treatment Plant site to upgrade these aged facilities and improve system operations and safety. Descriptions of each of the existing structures and the proposed reconstruction are provided below.

River Inlet – The existing inlet structure along the San Gabriel River connects to the Azusa-Duarte Tunnel, which conveys surface water from the river in a southwest direction toward a concrete lined channel for distribution to the C9's member agencies. The existing inlet structure consists of the following:

- Concrete box/tunnel
- Grouted rip rap wing wall channel approach structure
- A grated walkway for maintenance personnel
- Trash rack
- Wooden barrier boards that are operated manually and that slide in and out of the structure to allow, restrict, or block flows
- Chain link security fencing

This inlet structure would be reconstructed to allow for motorized operation of the existing fixed weir inlet. A motorized weir gate would be provided, instead of the manually operated wooden boards, along with electrical motor operators and controls, a power line connection, and communication equipment on a raised platform. Maintenance access would also be renovated through replacement of: the existing walkway with concrete stairs; a grated walkway and new trash rack; and security fencing. The overall size and footprint of the inlet structure would remain the same; however, construction activities would lead to temporary impacts in areas of the streambed adjacent to the inlet structure. Exhibit A depicts the existing inlet structure; Exhibit B shows the reconstructed replacement structure.

Ditch Inlet – River water enters the Azusa-Duarte River inlet flowing southerly through a section of concrete lined tunnel and a section of concrete lined open channel (ditch). This channel (ditch) carries river water flow southerly to the Azusa Water Company Treatment Plant inlet weir and to the Covina Irrigation Company surface water pipeline. Excess river water is diverted by the existing northerly and southerly weir structures to an existing natural graded channel that flows to detention basins for spreading and recharge of the ground water basin. Existing onsite diversion weir boards will be removed from the existing northerly and southerly diversion weirs. The combined flows from the northerly and southerly diversion weirs will be controlled by the proposed single automated weir gate structure. The automated weir gate structure will maintain the water surface elevation in the existing concrete lined open channel to provide sufficient water surface at the Treatment Plant inlet and surface water pipeline. Excess flow in the concrete lined open channel will be released by the proposed automated weir and discharged through the natural graded channel to the San Gabriel River or the detention basin for spreading.

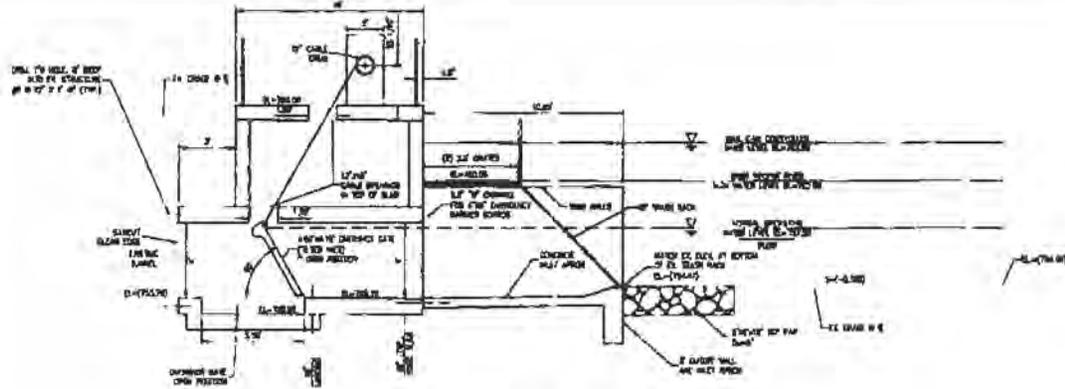
The existing flow control weirs at the concrete lined ditch consist of the following:

- Formed, poured-in-place concrete side walls with manually operated weir boards connecting to the north-south concrete lined channel
- A steel walkway with a handrail for maintenance personnel
- An 18" above-ground steel pipe is located along the west bank of the concrete lined channel
- Wooden weir boards that slide in and out of the structure to allow, restrict, or block flows.

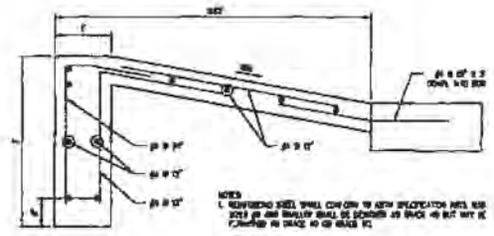
The new weir construction will include a concrete structure with concrete side walls and wing wall outlet with a rip rap discharge apron, motorized weir gate, electrical motor operator and controls, power line connection, and communication equipment on a raised platform. The existing natural graded channel upstream of the new weir will be replaced with a concrete channel section; the existing foot bridge will be moved 50 feet down stream to make room for the concrete weir structure. The capacity of the new weir structure will remain the same as the combined capacity of the two existing weir board structures. The new weir structure is located to allow collection of the discharge from the two existing weir board structures at the confluence of the existing flow channels. Exhibit C depicts the plan location for the replacement weir structure; Exhibit D depicts the design details for the proposed River Inlet and Ditch Outlet facilities.

Reasons why project is exempt:

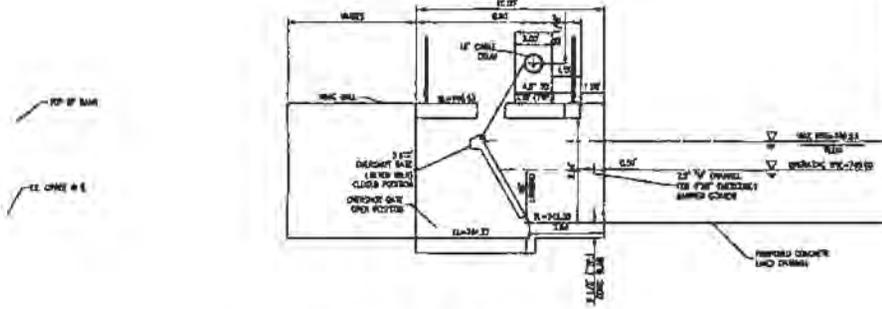
- The project involves a replacement and reconstruction of the aged inlet structure at the San Gabriel River and the aged flow control structure at a ditch at the Azusa Water Treatment Plant site.
- The project would replace wooden weir boards with mechanical weirs to allow for the motorized control of flows, instead of the current manual operations.
- The replacement structures will be constructed within the same location and footprint as the existing structures.
- No increase in capacity will occur at the inlet, tunnel, ditch or flow control structures, and water flows will continue to be regulated by the surface water rights of the C9.
- The project would facilitate access and work by, as well as improve the safety of, operations and maintenance personnel.



RIVER INLET GATE STRUCTURE SECTION A



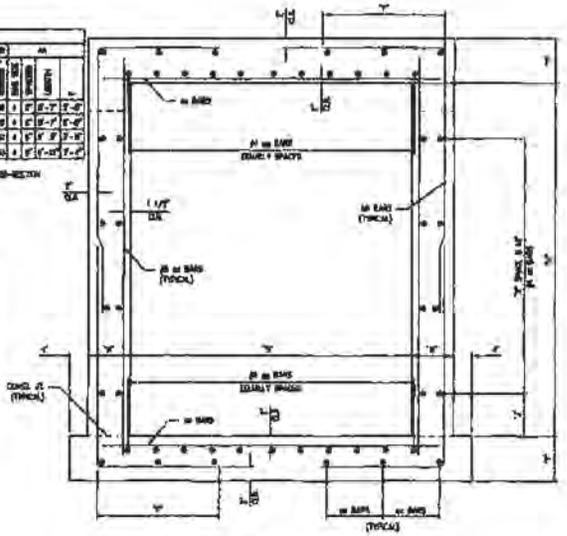
OUTLET WALL AND APRON DETAIL 2



DITCH OUTLET GATE STRUCTURE SECTION B

NO.	TYPE	SIZE	LENGTH	AREA	WEIGHT	NO.	TYPE	SIZE	LENGTH	AREA	WEIGHT
1	1/2"	10	10	1.57	113	1	1/2"	10	10	1.57	113
2	1/2"	10	10	1.57	113	2	1/2"	10	10	1.57	113
3	1/2"	10	10	1.57	113	3	1/2"	10	10	1.57	113
4	1/2"	10	10	1.57	113	4	1/2"	10	10	1.57	113
5	1/2"	10	10	1.57	113	5	1/2"	10	10	1.57	113
6	1/2"	10	10	1.57	113	6	1/2"	10	10	1.57	113
7	1/2"	10	10	1.57	113	7	1/2"	10	10	1.57	113
8	1/2"	10	10	1.57	113	8	1/2"	10	10	1.57	113
9	1/2"	10	10	1.57	113	9	1/2"	10	10	1.57	113
10	1/2"	10	10	1.57	113	10	1/2"	10	10	1.57	113

NO.	TYPE	SIZE	LENGTH	AREA	WEIGHT
1	1/2"	10	10	1.57	113
2	1/2"	10	10	1.57	113
3	1/2"	10	10	1.57	113
4	1/2"	10	10	1.57	113
5	1/2"	10	10	1.57	113
6	1/2"	10	10	1.57	113
7	1/2"	10	10	1.57	113
8	1/2"	10	10	1.57	113
9	1/2"	10	10	1.57	113
10	1/2"	10	10	1.57	113



CONCRETE BOX DETAIL 1

- NOTES:
1. ALL CONCRETE SHALL BE CLASS "C" UNLESS NOTED OTHERWISE.
 2. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION FOR STEEL WIRE BARS AND SHALL BE GRADE 60 UNLESS NOTED OTHERWISE.
 3. DIMENSIONS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE.
 4. FINISHES:
 - CONCRETE: 1/2" MIN. THICKNESS UNLESS NOTED OTHERWISE.
 - PAINT: AS SPECIFIED.
 5. DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
 6. SHOP DETAILS TO HOLD WITH AN APPROVED SHOP TOLERANCE.

SCALE: 1/4" = 1'-0"

Source: Civitac Engineering Inc, 2008

River Inlet and Flow Control Gate Structures Design Details

Exhibit D



Rev: 10/15/08 (C/S) Project: C:\cib\30225\Berterra\30225_104.dwg

Appendix C – Permits & Approvals



**California Regional Water Quality Control Board
Los Angeles Region**



320 W. 4th Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Matthew Rodriguez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

RECEIVED

APR 17 2012

AZUSA LIGHT & WATER
Mr. Chet Anderson
San Gabriel River Water Committee
729 N. Azusa Avenue
Azusa, CA 91702

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
No. 7010 3090 0002 1021 9445

**WATER QUALITY CERTIFICATION FOR PROPOSED SAN GABRIEL RIVER
INLET REPLACEMENT STRUCTURE PROJECT (Corps' Project No. 2011-00814-
MAS), SAN GABRIEL RIVER, CITY OF AZUSA, LOS ANGELES COUNTY (File No.
11-152)**

Dear Mr. Anderson:

Board staff has reviewed your request on behalf of San Gabriel River Water Committee (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on February 16, 2012.

I hereby issue an order certifying that any discharge from the referenced project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges that have received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification.

Please read this entire document carefully. The Applicant shall be liable civilly for any violations of this Certification in accordance with the California Water Code. This Certification does not eliminate the Applicant's responsibility to comply with any other applicable laws, requirements and/or permits.

Should you have questions concerning this Certification action, please contact Valerie Carrillo, Lead, Section 401 Program, at (213) 576-6759.



Samuel Unger, P.E.
Executive Officer

4-10-12
Date

DISTRIBUTION LIST

David Hughes
BonTerra Consulting
3452 E. Foothill Boulevard, Suite 420
Pasadena, CA 91107

Bill Orme (via electronic copy)
State Water Resources Control Board
Division of Water Quality
P.O. Box 944213
Sacramento, CA 94244-2130

Sarah Rains (via electronic copy)
California Department of Fish and Game
Streambed Alteration Team
4949 View Ridge Avenue
San Diego, CA 92123

Melanie Stalder
U.S. Army Corps of Engineers
Regulatory Branch, Los Angeles District
P.O. Box 532711
Los Angeles, CA 90053-2325

Paul Amato (via electronic copy)
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105

Jim Bartel
U.S. Fish and Wildlife Service
6010 Hidden Valley Road
Carlsbad, CA 92009

ATTACHMENT A

**Project Information
File No. 11-152**

1. Applicant: Mr. Chet Anderson
San Gabriel River Water Committee
729 N. Azusa Avenue
Azusa, CA 91702

Phone: (626) 812-5225
2. Applicant's Agent: Mr. David Hughes
BonTerra Consulting
3452 E. Foothill Boulevard, Suite 420
Pasadena, CA 91107

Phone: (626) 351-2000 Fax: (626) 351-2030
3. Project Name: San Gabriel River Inlet Replacement Structure
4. Project Location: Azusa, Los Angeles
- | <u>Latitude</u> | <u>Longitude</u> |
|-----------------|------------------|
| 34.159071 | -117.903646 |
| 34.159048 | -117.903661 |
| 34.159025 | -117.903673 |
| 34.158984 | -117.9037146 |
| 34.159058 | -117.903604 |
| 34.159038 | -117.903616 |
| 34.159004 | -117.903642 |
| 34.158956 | -117.903674 |
5. Type of Project: Inlet Replacement
6. Project Purpose: The proposed project (Project) will reconstruct an existing water inlet structure along the San Gabriel River to allow for motorized operation.
7. Project Description: The weir gate currently is manually operated with wooden boards.

ATTACHMENT A

Project Information File No. 11-152

The Project will replace the existing structure with a motorized weir gate with controls, a power line connection, communication equipment on a raised platform, a walkway with concrete stairs, a new trash rack, and new security fencing.

A motorized weir gate will replace the existing weir gate along the San Gabriel River. The existing inlet structure will be demolished and the new inlet structure will be constructed within the same footprint. The size of the current inlet structure will also remain the same. The total project size is 0.003 acres, or 25 linear feet, and the temporary impact to waters of the United States is estimated to be 0.002 acres, or 14 linear feet. Construction activities will all be scheduled for the dry season, and the Applicant proposes to begin on July 1, 2012 and be completed by September 1, 2012.

Water currently reaches the inlet structure via a short diversion channel, approximately 30 feet long and approximately five to six feet wide. The current structure diverts water from the San Gabriel River for conveyance to surface water treatment plants, irrigation fields, and spreading grounds in accordance with surface water rights of the San Gabriel River Water committee.

The Project will remove the existing trash rack and chain link fencing and demolishing the sidewalls of the current structure (extending approximately four feet upstream and eight feet downstream of the trash rack). Water flows underground downstream of the trash rack to the water treatment facility that is located south of San Gabriel Canyon Road in the City of Azusa.

Sand bags will be placed in the diversion channel (six feet wide, two feet deep, and nine inches high) for a period of approximately one month in order to prevent any water from reaching the construction area. At the completion of construction activities, the sand bags will be removed.

- | | |
|--|--|
| 8. Federal Agency/Permit: | U.S. Army Corps of Engineers
NWP No. 18 (Permit No. 2011-00814-MAS) |
| 9. Other Required
Regulatory Approvals: | California Department of Fish and Game
Streambed Alteration Agreement |

ATTACHMENT A

Project Information File No. 11-152

10. California Environmental Quality Act Compliance: The proposed project is Categorical Exempt from CEQA pursuant to the CEQA Guidelines, Section 15302 Replacement or Reconstruction.
11. Receiving Water: San Gabriel River (Hydrologic Unit No. 405.43)
- 12.
13. Designated Beneficial Uses: MUN*, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN
- *Conditional beneficial use
14. Impacted Waters of the United States: Non-wetland waters (vegetated streambed): 0.002 temporary acres (two linear feet)
15. Dredge Volume: None
16. Related Projects Implemented/to be Implemented by the Applicant: The inlet structure described leads to a diversion channel within the Azusa Water Treatment plant, approximately one-quarter mile to the west. The Applicant is concurrently submitting an application for a Water Quality Certification to construct a new flow control structure that will include converting 93 linear feet of soft-bottom channel to a concrete-lined channel.
17. Avoidance/Minimization Activities: The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:
- Project construction will take place during the summer months when flowing water in the San Gabriel River is minimized.
 - The Applicant will coordinate with the operator of Morris Dam so that no water releases will occur that will affect the project.
 - A temporary berm made of sand bags will be placed within the diversion channel, upstream of the construction area.

ATTACHMENT A

Project Information File No. 11-152

- Silt screen fencing will be placed outside of the jurisdictional waters boundary so that no unintentional erosion occurs into the San Gabriel River.
- Project construction should last approximately one month, so that all work is completed prior to the rainy season.

18. Proposed Compensatory Mitigation:

The Applicant has proposed to provide funding to the San Gabriel Mountains Regional Conservation for 0.002 acres of wetland creation or restoration. See *Attachment B, Conditions of Certifications, Additional Conditions* for modifications and additions to the above proposed compensatory mitigation.

ATTACHMENT B

Conditions of Certification File No. 11-152

STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' (ACOE) Section 404 Permit and the California Department of Fish and Game's (CDFG) Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this Certification, the CDFG's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*, as amended.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. 16, are incorporated as additional conditions herein.
5. The Applicant and all contractors employed by the Applicant shall have copies of this Certification and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.

ATTACHMENT B

Conditions of Certification File No. 11-152

6. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
7. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.
8. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
9. All waste or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Please contact the Land Disposal Unit at (213) 620-2253 for further information regarding the disposal of solid wastes.
10. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
11. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, nor cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.
12. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
13. Application of pesticides must be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the

ATTACHMENT B

Conditions of Certification File No. 11-152

target species and habitat. All pesticides directed toward aquatic species must be approved by the Regional Board. Pesticide utilization shall be in accordance with State Water Resources Control Board Water Quality Order Nos. 2004-0008-DWQ and 2004-0009-DWQ.

14. The Applicant shall not conduct any construction activities within waters of the State during a rainfall event. The Applicant shall maintain a **five-day (5-day) clear weather forecast** before conducting any operations within waters of the State.
15. The Applicant shall utilize the services of a qualified biologist with expertise in riparian assessments during any vegetation clearing activities. The biologist shall be available on site during construction activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.
16. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge (ROWD)** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste.
17. Sufficient time should be allowed to obtain any such permits (generally 180 days) If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.
18. All project/construction activities not included in this Certification, and which may require a permit, must be reported to the Regional Board for appropriate permitting. Bank stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional Certification action.
19. All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. If surface water diversions are anticipated, the Applicant shall develop and submit a **Surface Water Diversion Plan** (plan) to this Regional Board. The plan shall include the proposed method and duration of diversion activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the locations of diversion and discharge points. Contingency measures shall be a part of this plan to address various flow discharge rates.

ATTACHMENT B

Conditions of Certification File No. 11-152

The plan shall be submitted prior to any surface water diversions. If surface flows are present, then upstream and downstream monitoring for the following shall be implemented:

- pH
- temperature
- dissolved oxygen
- turbidity
- total suspended solids(TSS)

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be measured at least once prior to diversion and then monitored for on a daily basis during the first week of diversion and/or dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete.

Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection.

20. The Applicant shall restore the proposed **0.002 acres** of **TEMPORARY IMPACTS** to waters of the United States and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the State. Restoration shall include grading of disturbed areas to pre-project contours and revegetation with native species. Restored areas shall be monitored and maintained with native species as necessary for five years. The Applicant shall implement all necessary Best Management Practices to control erosion and runoff from areas associated with this project.
21. The Applicant shall provide **COMPENSATORY MITIGATION** to offset the proposed temporary loss of **0.002 acres** waters of the United States by creating or restoring riparian habitat at a minimum **1:1** area replacement ratio (**0.002 acres**). If the Applicant proposes funding to a third-party organization for the creation or restoration of a total of **0.002 acres** of intermittent streambed riparian habitat within waters of the United States/Federal jurisdictional wetlands, then funding shall apply to mitigation acreage only, exclusive of administrative costs. The mitigation site shall be located within the San Gabriel River Watershed unless otherwise approved by this Regional Board. The Applicant shall submit a **Proposed Mitigation Report** which shall include:
 - (a) Documentation from the third party indicating that funds have been used for mitigation acreage only, which do not include administrative costs.

ATTACHMENT B

Conditions of Certification File No. 11-152

- (b) The boundary of the mitigation site shall be clearly identified on a map of suitable resolution and quality and shall also be defined by latitude and longitude.
- (c) The type(s) of mitigation shall be described (e.g., removal of exotics and/or replanting with native species, etc.)
- (d) Success criteria shall be established.

This information shall be submitted to this Regional Board for approval prior to any disturbance within waters of the United States and shall include copies of all agreements made between the Applicant and a third party organization regarding compensatory mitigation efforts.

- 22. All open space and mitigation areas shall be placed within a conservation easement to ensure preservation in perpetuity. Documentation of proper easement placement shall be submitted to the Regional Board within one year.
- 23. The Applicant shall submit to this Regional Board a **One-Time Mitigation Monitoring Report** by **January 1st** of the year following the completion of the project. The Report shall describe in detail all of the project/construction activities performed and all restoration and mitigation efforts; including percent survival by plant species and percent cover. The Report shall describe the status of other agreements (e.g., mitigation banking) or any delays in the mitigation process. At a minimum the Report shall include the following documentation and answered appropriately whether or not mitigation has been performed:
 - (e) Color photo documentation of the pre- and post-project and mitigation site conditions;
 - (f) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;
 - (g) The overall status of project including a detailed schedule of work;
 - (h) Copies of all permits revised as required in Additional Condition 1;
 - (i) Water quality monitoring results for each reach (as required) compiled in an easy to interpret format;
 - (j) A certified Statement of "no net loss" of wetlands associated with this project;
 - (k) Discussion of any monitoring activities and exotic plant control efforts; and
 - (l) A certified Statement from the permittee or his/her representative that all conditions of this Certification have been met.

ATTACHMENT B

Conditions of Certification
File No. 11-152

- 24. All applications, reports, or information submitted to the Regional Board shall be signed:
 - (a) For corporations, by a principal executive officer at least of the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates.
 - (b) For a partnership, by a general partner.
 - (c) For a sole proprietorship, by the proprietor.
 - (d) For a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

25. Each and any report submitted in accordance with this Certification shall contain the following completed declaration:

"I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the _____ day of _____ at _____,

(Signature)
(Title)"

- 26. All communications regarding this project and submitted to this Regional Board shall identify the Project File Number 11-152. Submittals shall be sent to the attention of the 40' Certification Unit.
- 27. Any modifications of the proposed project may require submittal of a new Clean Water Act Section 401 Water Quality Certification application and appropriate filing fee.
- 28. The project shall comply with the local regulations associated with the Regional Board's **Municipal Stormwater Permit** issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. 01-182. This includes the Standard Urban Storm Water Mitigation Plan (SUSMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) **General Permit for Storm**

ATTACHMENT B

Conditions of Certification File No. 11-152

Water Discharges Associated with Construction Activity, Order No. 2009-009-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.

29. Coverage under this Certification may be transferred to the extent the underlying federal permit may legally be transferred and further provided that the Applicant notifies the Executive Officer at least 30 days before the proposed transfer date, and the notice includes a written agreement between the existing and new Applicants containing a specific date of coverage, responsibility for compliance with this Certification, and liability between them.
30. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
31. *Enforcement:*
 - (a) In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
 - (b) In response to a suspected violation of any condition of this Certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) In response to any violation of the conditions of this Certification, the SWRCB or RWQCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.

ATTACHMENT B

**Conditions of Certification
File No. 11-152**

32. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application prior to termination of this Certification if renewal is requested.



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

EDMUND G. BROWN, JR., Governor
CHARLTON H. BONHAM, Director



10/31/2011

Chet F. Anderson
San Gabriel River Water Committee
729 N. Azusa Avenue
Azusa, California 91702

Subject: Notification of Lake or Streambed Alteration No. 1600-2011-0273-R5
San Gabriel River Inlet Replacement Structure impacting the San Gabriel River

Dear Mr. Anderson:

As the Department of Fish and Game ("DFG") explained in a previous letter to you dated September 29, 2011, DFG had until October 31, 2011 to submit a draft Lake or Streambed Alteration Agreement ("Agreement") to you or inform you that an Agreement is not required. DFG did not meet that date. As a result, by law, you may now complete the project described in your notification without an Agreement.

Please note that pursuant to Fish and Game Code section 1602(a)(4)(D), if you proceed with this project, it must be the same as described and conducted in the same manner as specified in the notification and any modifications to that notification received by DFG in writing prior to October, 31, 2011. This includes completing the project within the proposed term and seasonal work period and implementing all avoidance and mitigation measures to protect fish and wildlife resources specified in the notification. If the term proposed in your notification has expired, you will need to re-notify DFG before you may begin your project. Beginning or completing a project that differs in any way from the one described in the notification may constitute a violation of Fish and Game Code section 1602.

Your notification includes, but is not limited to, the following information:

Project-related activities are limited to the work term requested and shall take place no earlier than June 1, 2012 and be completed no later than October 1, 2017. Seasonal work periods shall take place only during the months of June, July, August, and September of each year.

Project-related activities shall take place during the dry season when minimal water is present. A temporary fill (in the form of sand bags) shall be used to prevent water from entering/ exiting the work site during all project-related activities.

Project-related activities shall not cause disturbance or removal of any vegetation located within the vicinity of the work site.

Conserving California's Wildlife Since 1870

Chet F. Anderson
10/31/2011
Page 2 of 2

A fish screen shall be installed behind the trash rack as a design feature to minimize any impacts on fish during the operation of the inlet.

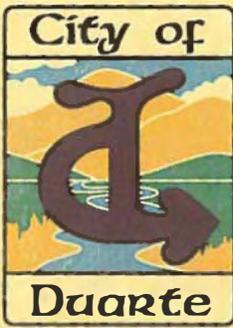
Also note that while you are entitled to complete the project without an Agreement, you are still responsible for complying with other applicable local, state, and federal laws. These include, but are not limited to, the state and federal Endangered Species Acts and Fish and Game Code sections 5650 (water pollution) and 5901 (fish passage).

Finally, if you decide to proceed with your project without an Agreement, you must have a copy of this letter and your notification with all attachments available at all times at the work site. If you have any questions regarding this matter, please contact Sarah Rains at (805) 498-2385 or srains@dfg.ca.gov.

Sincerely,



Sarah Rains
Environmental Scientist



City of Duarte

Sixteen Hundred Huntington Drive, Duarte, California 91010-2592 S
Tel 626-357-7931 FAX 626-358-0018 S www.accessduarte.com S

February 6, 2017 :

Bureau of Reclamation (BOR) :
Financial Assistance Operations :
Attn: Mr. Matthew Reichert :
Mail Code: 84-27852 :
PO Box 25007 :
Denver, CO 80225 :

Mayor a
Margaret E. Finlay a
Mayor Pro Tem a
John Fasana a
Councilmembers
Samuel Kang
Tzeitel Paras-Caracci a
Liz Reilly a
City Manager a
Darrell George

RE: San Gabriel River Inlet Replacement Infrastructure :

Dear Mr. Reichert :

The City of Duarte is happy to support the San Gabriel River Water Committee's project :
to :replace :the :existing :inlet :structure :in :the :San :Gabriel :River. : We :appreciate :the :
WaterSMART programs the Bureau of Reclamation makes available, to provide funding :
for :projects :that :implement :environmentally :sound :water :conservation :practices :and :
improve water management that affects our City. :

The City of Duarte relies on the San Gabriel River for water delivery service. : We fully :
support all efforts being made to replace the existing structure with an efficient structure :
that includes :state-of-the-art :equipment :for :long-term :operational :capacity. : The future :
water :delivery :service :for :our :City :is :dependent :upon :this :important :and :vital :project. :
Despite the recent rain California has been experiencing, our State has suffered through :
more than five years of drought. : For this reason, it is imperative that the Committee :
obtain :funding :to :complete :this :project :in :order :to :continue :providing :water :delivery :
service to our City. :

We :strongly :encourage :your :approval :of :the :San :Gabriel :River :Water :Committee's :
application :and :hope :you :will :fund :this :timely :and :worthy :project :to :improve :water :
management practices. :

Sincerely,

Darrell George :
City Manager :
City of Duarte :

FEB 10 '17 AM 10:06