

**WaterSMART Drought Response Program:  
Drought Contingency Planning Grants for FY 2022  
Funding Opportunity R22AS00178**

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**Three Valleys Municipal Water District  
Drought Contingency Plan  
April 14, 2022**

**This is an application submitted by:**

**Three Valleys Municipal Water District**

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## **Executive Summary**

**Date:** April 14, 2022

**Applicant name:** Three Valleys Municipal Water District

**Applicant City, County, State:** Claremont, Los Angeles County, California

**Project Title:** Three Valleys Municipal Water District Drought Contingency Plan

Three Valleys Municipal Water District (TVMWD) is a wholesale water agency that serves over 500,000 people in a 133 square mile area in eastern Los Angeles County via 13 member agencies. The planning area experienced a multi-year drought between 2012 and 2016 and is currently preparing for a third consecutive dry year in 2022, with severe restrictions to portions of its service area with imported water being provided to only meet human health and safety standards. To increase water supply reliability and proactively address the region's concern with drought, TVMWD is pursuing the WaterSMART: Drought Response Program – Drought Contingency Planning Grant Funding Opportunity (FOA No R22AS00178) to implement a Drought Contingency Plan (DCP). The region served by TVMWD contains various diverse stakeholder groups which have expressed interest in and support for TVMWD's development of a DCP and has several disadvantaged communities that would benefit from the implementation of such a plan. The proposed project will involve TVMWD developing a DCP that meets the requirements of the Bureau of Reclamation's (Reclamation) Drought Response Program Framework. This will include, but not be limited to, the six required elements for 1) Drought Monitoring; 2) Vulnerability Assessment; 3) Mitigation Actions; 4) Response Actions; 5) Operational and Administrative Framework; and 6) Plan Development and Update Process.

The project will be completed within a two-year (24 month) timeframe with an estimated start date of December 2022 and an estimated completion date of November 2024. The Project is not located on a Federal facility, but the project area receives Colorado River supplies from Metropolitan Water District of Southern California (MWD).

## **Background Data**

TVMWD is a wholesale water agency that serves over 500,000 people in a 133 square mile area in eastern Los Angeles County via 13 member agencies. TVMWD's member agencies retail the water directly to their customers, or wholesale it to other water systems for resale. TVMWD's member agencies produce water from local sources; however, when water demands exceed these local supplies, the member agencies may rely on TVMWD to supply their supplemental water needs. TVMWD's service area includes the Cities of Claremont, Covina, Diamond Bar, Glendora, Industry, La Verne, Pomona, San Dimas, Walnut, West Covina, and unincorporated areas of Los Angeles County (including Charter Oak and Rowland Heights). TVMWD'S 13 member agencies include Boy Scouts of America, California State Polytechnic University at Pomona, City of Covina, City of Glendora, City of La Verne, City of Pomona, Covina Irrigating Company, Golden State Water Company (Claremont and San Dimas systems), Mount San Antonio College, Rowland Water District, Suburban Water Systems, Valencia Heights Water Company, and Walnut Valley Water District.

TVMWD is one of 26 member agencies of MWD. TVMWD's water supply sources consist of untreated imported water purchased from MWD, treated imported water purchased from MWD, and groundwater from the Six Basins groundwater basin, with imported water from MWD accounting for the majority of TVMWD's supply. Water purchased from MWD comes from the Colorado River Aqueduct and the State Water Project (SWP). Of the 13 member agencies, only three currently utilize recycled water, and only five currently utilize surface water supplies. The remainder use a combination of imported water and groundwater. Several of these agencies are in SWP dependent areas, meaning they cannot receive Colorado River supplies from MWD, and are solely dependent on imported water from the SWP.

In 2020, the wholesale demand from TVMWD was nearly 77,000 acre-feet. Over the past ten years, TVMWD's total water demands have ranged from 57,472 acre-feet per year (AFY) to 76,723 AFY, with an average of 67,327 AFY. Retail water usage includes residential, commercial, industrial, agricultural, and institutional/governmental. Among those uses, residential generally accounts for 70 percent of total demand.

### **Project Location**

Three Valleys Municipal Water District DCP Project (Project) will cover the TVMWD service area (Figure 1), which includes the eastern portion of Los Angeles County and includes the Cities of Claremont, Covina, Diamond Bar, Glendora, Industry, La Verne, Pomona, San Dimas, Walnut, West Covina, and unincorporated areas of Los Angeles County (including Charter Oak and Rowland Heights). This encompasses an area of approximately 133 square miles.



**Figure 1: TVMWD Service Area**

### **Project Description**

TVMWD has prepared this application to develop a DCP in accordance with Reclamation's Drought Response Framework. This project will consist of two phases organized into eleven tasks:

- Phase 1, consisting of two tasks (Task 1 and 2) to perform the required activities as outlined in the FOA:
  - Develop a detailed work plan (Task 1)
  - Establish the Drought Task Force (Task 2)

- Develop a communications and outreach plan (Task 2)
- Phase 2, consisting of nine tasks (Tasks 3-11) which includes developing a DCP that includes the six required elements of a DCP:
  - Vulnerability Assessment (Task 3) – **required element #1**
  - Drought Monitoring (Task 4) – **required element #2**
  - Mitigation Actions (Task 5) – **required element #3**
  - Response Actions (Task 6) – **required element #4**
  - Operational and Administrative Framework (Task 7) – **required element #5**
  - Plan Development and Update Process (Task 8) – **required element #6**
  - Develop the DCP (Task 9)
  - Drought Task Force Workshop Facilitation (Task 10)
  - Manage Agreement with Reclamation and Project Management (Task 11)

TVMWD and member agency Urban Water Management Plans (UWMPs) and Water Shortage Contingency Plans (WSCPs) will serve as the basis for developing some of the required elements of the DCP. TVMWD will also leverage existing and in-progress member agency planning efforts as appropriate to develop the DCP.

#### Phase 1 – Initial Planning Activities

As described above, Phase 1 consists of two tasks – developing a detailed work plan (Task 1) and establishing a Drought Task Force (Task 2). The activities which comprise these tasks are described below.

#### **Task 1: Develop a Detailed Work Plan**

Task 1.1: Coordination with Reclamation to execute an agreement to prepare the DCP.

Task 1.2: Draft and release a Request for Proposal (RFP) to solicit a technical consultant to prepare the DCP, the communications and outreach plan, and management engagement with the Drought Task Force.

Task 1.3: Prepare a detailed work plan for review and approval by Reclamation.

#### **Task 2: Establish the Drought Task Force**

Once executed agreements with Reclamation and a technical consultant have been established, TVMWD will initiate the activities necessary to establish a Drought Task Force and develop a communications and outreach plan. Task 2 consists of two sub-tasks as outlined below.

Task 2.1: Establish the Drought Task Force. The activities involved in establishing the Drought Task Force will be outlined in the detailed work plan.

Task 2.2: Develop communications and outreach plan in collaboration with the technical consultant. The draft communications and outreach plan will be provided to Reclamation for review and comments will be incorporated by TVMWD.

#### Phase 2 – Develop the DCP

Following the completion of Phase 1, TVMWD will initiate Phase 2 to begin developing the DCP. A project kick-off (Workshop 1) will be held prior to the initiation of Tasks 3-8 to acquaint the Drought Task Force with the project. Workshop 1 will be an opportunity to identify the DCP goals and objectives with the Drought Task Force, and to discuss the intended outcomes of the workshops and the overall project schedule.

### **Task 3: Vulnerability Assessment**

A vulnerability assessment will be performed under Task 3 to evaluate the risks and impacts of drought. The assessment must be based on a range of future conditions, including the effects of climate change. It will describe the reliability and vulnerability of the water supply to seasonal or climatic shortage including the effects of climate change and uncertainties related to changing hydrologic conditions. The assessment may also consider other factors, such as emerging contaminants and aging infrastructure.

Task 3.1: Determine the appropriate level of climate change analysis.

Task 3.2: Evaluate available climate change projection information.

Task 3.3: Assess impacts on critical resources.

Task 3.4: Document initial findings in a technical memorandum (TM) and present these findings to the Drought Task Force during Workshop 2.

### **Task 4: Drought Monitoring**

Task 4.1: Review member agency WSCPs and summarize drought monitoring processes.

Task 4.2: Identify metrics and triggers.

Task 4.3: Prepare Drought Monitoring Framework. Workshop 3 will be used as an engagement opportunity to solicit initial feedback on the Drought Monitoring Framework.

Task 4.4: Prepare TM.

### **Task 5: Mitigation Actions**

Task 5.1: Using results from the vulnerability assessment, identify goals and priorities for developing mitigation actions.

Task 5.2: Together with the Drought Task Force during Workshop 4, identify potential mitigation actions which address the risks identified in the vulnerability assessment, including those that are already planned by TVMWD and its member agencies along with other projects not currently under development.

Task 5.3: Define project characteristics as feasible (e.g., alignment with goals and priorities, costs, timeline, regulatory considerations, etc.).

Task 5.4: Prepare TM.

## **Task 6: Response Actions**

Task 6.1: Identify the suite of response actions that are included in TVMWD and member agency WSCPs.

Task 6.2: Workshop 5 will be used as an engagement opportunity to discuss these actions and to solicit input from the Drought Task Force on how the region can most effectively respond to drought, what actions have historically been most effective, and what actions have presented challenges.

Task 6.3: Using input from Workshop 5, develop regional response actions for inclusion into the DCP.

Task 6.4: Prepare TM.

## **Task 7: Operational and Administrative Framework**

Task 7.1: Identify the roles, responsibilities, and procedures to implement the primary elements of the DCP (conduct drought monitoring, initiate response actions and mitigation actions, plan update).

Task 7.2: Describe the process for convening the Drought Task Force.

## **Task 8: Plan Development and Update Process**

Task 8.1: Describe the DCP development process including how outreach and engagement was performed with the Drought Task Force and other stakeholders.

Task 8.2: Describe the process and schedule for monitoring, evaluating, and updating the DCP.

## **Task 9: Develop the DCP**

Task 9.1: Consolidate information from Tasks 3-8 into draft DCP.

Task 9.2: Provide draft DCP to TVMWD for review and incorporate comments.

Task 9.3: Provide draft DCP to Drought Task Force for review and incorporate comments. Workshop 6 will be used as an engagement opportunity to discuss comments from the Drought Task Force.

Task 9.4: Provide draft DCP to Reclamation for review and incorporate comments.

Task 9.5: TVMWD Board adoption.

Task 9.6: Submit final DCP to Reclamation.

## **Task 10: Drought Task Force Workshop Facilitation**

Task 10 consists of one sub-task as outlined below:

Task 10.1: Facilitate six workshops with the Drought Task Force to solicit input on the key elements of the DCP.

## **Task 11: Management Agreement with Reclamation and Project Management**

Task 11 consists of two sub-tasks as outlined below.

Task 11.1: Prepare progress reports and reimbursement requests and submit to Reclamation.

Task 11.2: DCP project management.

### **Evaluation Criteria**

#### **Evaluation Criterion A: Need for a Drought Contingency Plan**

TVMWD has an urgent need for a DCP. In October 2021, the Governor of the State of California issued a statewide drought emergency, urging Californians to advance their water conservation efforts. As of March 28, 2022, the governor called on the State Water Resources Control Board to consider requiring urban water suppliers to activate, at a minimum, Stage 2 of their WSCP. As defined by the California Department of Water Resources (DWR), Stage 2 indicates a 20 percent gap between available supply and demand. TVMWD is a member agency of MWD, and around 30% of MWD's water is imported from the SWP, which as of March 18, 2022, has had its allocation reduced to 5% of requested supplies. Additionally, 25% of MWD's water is sourced from the Colorado River Aqueduct, which faces ongoing water quality issues, and in August 2021 for the first time the federal government declared a water shortage at one of the river's main reservoirs, Lake Mead. This historic declaration came after years of severe climate change and long-term drought impacts and makes allocations during periods of drought less reliable than ever before.

In order to finance necessary investments by MWD toward water supply and reliability efforts, it is likely that imported water costs for TVMWD will increase substantially and indefinitely. Groundwater dependence must also decrease as Cal-Adapt climate change simulations produced outcomes that prompted TVMWD to reduce Operating Safe Yield to approximately 67% of the adjudicated total to avoid adverse supply and sustainability impacts (see TVMWD 2020 UWMP for more information). Additionally, member agencies that are "SWP Only" dependent areas will be further constrained by the increasingly uncertain future of imported water supplies due to climate and environmental factors, impacts of changing climate on local surface water supplies, and the challenges of managing groundwater quality that requires blending with imported supplies.

TVMWD's need for a DCP has reached a peak during this time of historic drought and the resulting strain on water supply and financial resources. Development of a DCP would allow TVMWD to mitigate current and anticipated drought impacts and increase resilience against future uncertainties.

#### **Please describe existing or recent drought conditions, including when and how long the area has experienced drought conditions.**

California's last drought, which lasted between 2012 and 2016, was the driest in California's recorded history. With California currently preparing for a third consecutive dry year in 2022,



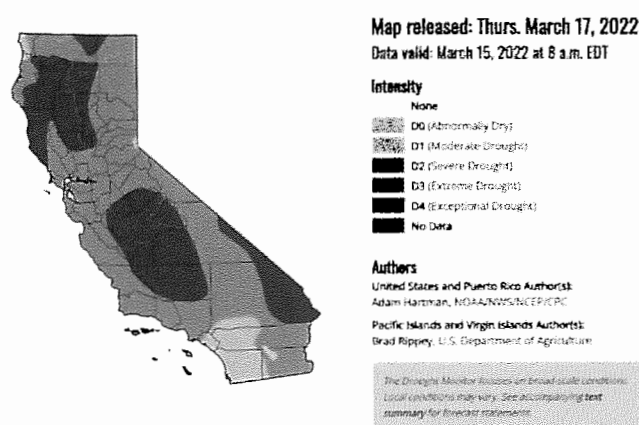
conditions are already more dire than the 2012-2016 drought. Collectively, the 2020 and 2021 water years were the second driest two-year period on record based on statewide runoff, only behind 1976-1977, and the first two months of 2022 were the driest on record in more than 100 years. Consequently, as of March 2022, 93 percent of California counties are experiencing severe drought conditions (including Los Angeles County where

TVMWD is located), with 35 percent of these same counties experiencing extreme drought conditions according to the U.S. Drought Monitor (Figure 2). TVMWD has determined that as a result of these conditions, there is potential for a water supply shortage and has enacted Stage 2 of its WSCP which calls for up to a 20 percent demand reduction by its member agencies. TVMWD member agencies are also enacting WSCP stages to reduce demand. Most notably, the cities of Claremont, La Verne, and Pomona, who are solely dependent on imported water from the SWP, will be enacting WSCP stages which could restrict watering to one day per week for 8 minutes to completely prohibit outdoor landscape irrigation. These curtailments are in response to recent drought conditions and the March 2022 announcement by DWR which limits supplies from the SWP to five percent of contractual amounts in the 2022 water year, and restricting water above the five percent allocation for human health and safety standards only for areas that are SWP Only dependent areas.

**Describe any projected increases to the frequency, severity, or duration of drought in the geographic area resulting from climate change and changing hydrologic conditions.**

California's Fourth Climate Change Assessment for the Los Angeles region predicts continued warming for the Los Angeles region, with average maximum temperatures projected to increase 4-5 degrees Fahrenheit by mid-century and 5-8 degrees Fahrenheit by the late century. The hottest day of the year is projected to be up to 10 degrees Fahrenheit warmer for many areas across the Los Angeles region by late century. Because of this warming, droughts are projected to be more severe over the next century, which is likely to have continued impacts on both imported water and groundwater:

- **Imported water:** California snowpack provides as much as a third of California's water supply. As more precipitation falls as rain instead of snow, it is more difficult to capture and store water for use during the spring and summer months. DWR estimates that California's Sierra Nevada snowpack could experience up to a 65 percent loss from the historical April 1 average by the end of this century.



**Figure 2: U.S. Drought Monitor as of March, 2022**

- **Groundwater:** As imported water supplies become more variable, there is a greater reliance on groundwater which is already a constrained resource due to local overdraft conditions and groundwater quality impairments as described below.

**Describe the severity of the risks to water supplies that will be addressed in the Drought Contingency Plan.**

**Imported Water**

TVMWD's main source of supply is imported water purchased from MWD, which comes from the Colorado River and the SWP. Several of TVMWD's member agencies are in SWP dependent areas, meaning they cannot receive Colorado River supplies from MWD, and are solely dependent on imported water from the SWP. For these agencies, which include the cities of Claremont, La Verne, and Pomona, imported water from the SWP is a critical supply source. For the cities of Claremont and Pomona, imported water accounts for 35 to 40 percent of supplies, with imported water accounting for roughly 80 percent of supplies for the City of La Verne. SWP supplies are impacted by hydrology, and as a result of dry conditions during the 2021 water year, only five percent of requested SWP supplies were delivered to MWD. As a result of continued drought conditions in 2021, SWP deliveries for the 2022 water year were also recently curtailed to five percent, which was an increase from the initial SWP allocation of zero percent announced by DWR in December 2021. Under a zero percent allocation, there would have been insufficient SWP supplies to fully meet consumptive demands not deemed essential to human health and safety needs in the SWP dependent areas.

While drought presents some near-term challenges for the SWP dependent areas, recent analysis by MWD as part of their Integrated Resources Plan (IRP) update suggests that these areas could also face long-term challenges as a result of drought. As part of the IRP update, MWD performed a reliability assessment to quantify the frequency and magnitude of future shortages based on four potential future scenarios with respect to supply and demand. Through this assessment, the potential for future shortages by 2045 was forecasted in the SWP dependent areas in nearly all of the potential future scenarios, highlighting the need to address water supply reliability challenges and enhance operational flexibility in the near-term. Development of a DCP would allow TVMWD to identify and evaluate the risks and uncertainties associated with imported water as it pertains to changing hydrologic conditions, and to work collaboratively with its member agencies and other stakeholders to identify mitigation actions which address these vulnerabilities.

**Groundwater**

As described above, the cities of Claremont, La Verne, and Pomona are all SWP dependent areas. Other than imported water from the SWP, these agencies only have one other supply source: groundwater.

- The cities of Claremont, La Verne, and Pomona all rely on groundwater from the Six Basins groundwater basin. According to the State Water Resources Control Board Groundwater Ambient Monitoring and Assessment (GAMA) Program, Maximum

Contaminant Level (MCL) exceedances for numerous constituents have been observed in the Six Basins groundwater basin over the last five years including **1,2,3-Trichloropropane (1,2,3-TCP), Hexavalent Chromium, Arsenic, 1,2-Dibromo-3-chloropropane (DBCP), Perchlorate, Tetrachloroethene (PCE), Trichloroethene (TCE), Total Dissolved Solids (TDS), and Uranium.**

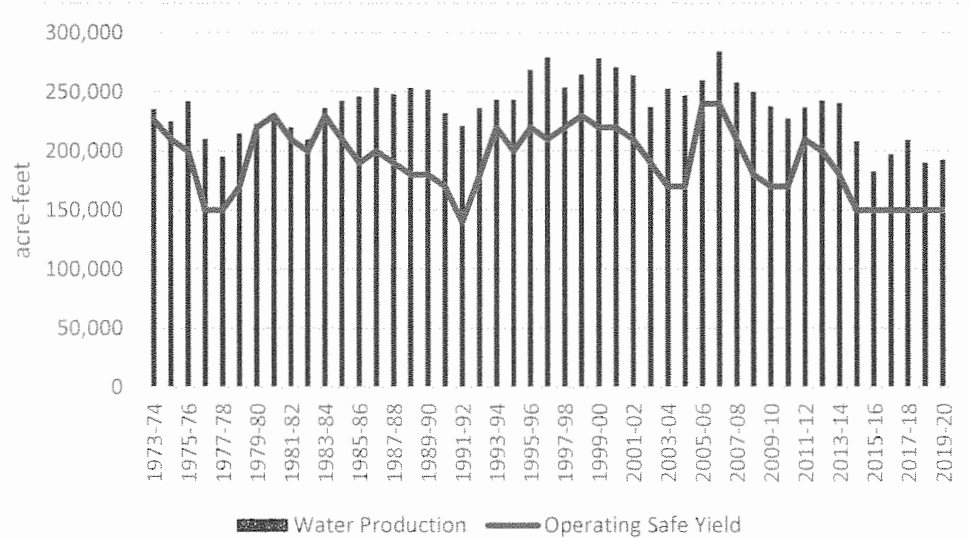
- The City of Claremont also relies on groundwater from the Chino Basin. According to GAMA, MCL exceedances for numerous constituents have been observed in the Chino Basin over the last five years including **1,2,3-TCP, Hexavalent Chromium, DBCP, Nitrate, PCE, and TCE.**
- The City of Pomona also relies on groundwater from the Spadra Basin. According to GAMA, MCL exceedances for numerous constituents have been observed in the Spadra Basin over the last five years including **Nitrate, PCE, and TDS.**

To remove these contaminants, agencies use a combination of blending and wellhead treatment, both of which are resulting in a greater reliance on imported water:

- Blending is accomplished using imported water. Not only does blending require imported water, but some agencies (e.g., City of La Verne) are requiring greater volumes of imported water due to increasing blending ratios as a result of enhanced contamination.
- Some contaminants are so pervasive that wellhead treatment even with blending cannot adequately remove the necessary amount required for potable use, which is resulting in groundwater extraction wells being taken offline. Taking these wells offline reduces the overall extraction capacity of the basin and requires the lost supply to be supplemented with another source (i.e., imported water).

Other TVMWD member agencies also rely on groundwater from the Puente and Main San Gabriel groundwater basins. These basins also have documented MCL exceedances for many of these same constituents over the last five years, which is also resulting in a greater reliance on imported water due to reduced extraction capacities in each basin and the need for blending. Overdraft is another concern related to drought. Excessive groundwater pumping can cause land subsidence which has the potential to reduce the capacity of aquifers to store groundwater. Additionally, increased pumping from wells during drought depletes supply and can pull shallow, contaminated groundwater down to depths commonly tapped for drinking water supply. Over-pumping is an issue for some of the basins that are utilized by TVMWD, such as the Main San Gabriel Basin. Although this basin is adjudicated, and withdrawal and replenishment of water supplies are managed by a watermaster, the “Main San Gabriel Basin Watermaster Report

On Final Determination Of Operating Safe Yield For 2021-22 Through 2025-26” suggests that groundwater production in this basin consistently exceeds the operating safe yield (see Figure 3). Note that this basin



**Figure 3: Main San Gabriel Basin Groundwater Production versus Operating Safe Yield**

is not defined as “critically overdrafted” under the Sustainable Groundwater Management Act (SGMA) since adjudicated basins are exempt from SGMA. Development of a DCP would allow TVMWD to assess the risks and impacts of drought on groundwater resources in the region, and to develop potential strategies for enhancing water supply reliability and resiliency, while managing the region’s reliance on imported water.

### **Environmental Concerns**

There are several federally and state recognized threatened or endangered wildlife species specifically present in the TVMWD service area located within Los Angeles County, including but not limited to **Santa Ana sucker, San Bernardino kangaroo rat, California black rail, coastal California gnatcatcher, foothill yellow-legged frog, arroyo toad, southwestern willow flycatcher, California condor, and least bell’s vireo**. Plant species that may be present include but are not limited to **thread-leaved brodiaea, Braunton’s milk-vetch, Nevin’s barberry, and slender-horned spineflower**.

The drought brings varying concerns regarding maintaining suitable habitat for a variety of species, including endangered and threatened species. With wetlands, creeks, rivers, ponds, reservoirs, and basins in the service area, there are various endangered and threatened species that have the potential to be impacted by drought conditions. Water supplies provide sustainability for these habitats and ecosystems, and for the various creatures who claim the region as their home. It is not only the animals of the watershed that are threatened by habitat degradation and the competition from non-native species, but plant life as well. Development of a DCP would allow TVMWD to explore ways to create a more diverse, reliable, and resilient water supply portfolio such that there is flexibility for providing water for environmental management.

## **Economic Losses**

According to 2012 U.S. census data, over 18,000 businesses exist within the TVMWD SWP dependent areas of Claremont, La Verne, and Pomona. On average, demands for commercial and industrial use within these areas account for nearly 16 percent of total demand. Water for commercial use is even higher for some other member agencies, such as Rowland Water District, where commercial demand accounts for over 40 percent of the total demand. Businesses within the TVMWD service area such as retail food establishments, bars, salons, laundry mats, and car washes are particularly at risk as a result of drought since water is critical to their operations. Development of a DCP would allow TVMWD to identify response actions that help business better combat water shortage conditions, resulting in avoided economic losses.

### **Describe the status of any existing planning efforts.**

While TVMWD does not currently have a DCP, per the requirements of the California Water Code, TVMWD prepared a 2010, 2015, and most recently a 2020 UWMP, which includes a WSCP. The WSCP details an approach which presents how TVMWD intends to act, or respond, in the case of an actual water shortage contingency. As part of this approach, TVMWD has defined six different water shortage levels, which each have corresponding demand reduction targets and shortage response actions. Nearly all of the member agencies that TVMWD serve have also prepared WSCPs as part of their 2020 UWMPs. These planning efforts will be used as the basis for developing a comprehensive plan to identify how the region will recognize the next drought in the early stages, how future droughts may affect the region, and how the region can protect itself from the next drought. TVMWD has also adopted Ordinance No. 09-06-16 (“Establishing a Water Conservation and Water Shortage Program and Regulations for its Direct End Service”). The ordinance implements measures to ensure effective water supply planning, assure reasonable and beneficial use of water, prevent waste of water, and maximize the efficient use of water within TVMWD’s service area. In addition, TVMWD must reduce its demand for imported water to avoid penalties for excessive use and ensure sufficient water supply remain for the health, safety, and welfare of the public.

### **Evaluation Criterion B: Inclusion of Stakeholders**

TVMWD has already contacted several diverse entities with mutual concerns of water conservation and the need for a DCP in the designated area. These stakeholders represent the local community and different water users, landowners, and elected officials. With more than 500,000 residents and 13 retail member agencies in TVMWD’s District, there will be a diverse set of opinions and impacts to consider. TVMWD’s approach to navigating this challenge is to rely on the organizations that have been formed to represent these diverse interests. Under this opportunity, TVMWD will form a Drought Task Force made up of representative stakeholders to directly participate in the DCP development and outreach.

The Drought Task Force will include organizations that best represent the community, which could include environmental organizations, representatives from agricultural communities, local elected officials, and a selection of TVMWD’s retail agencies that would be impacted by or could benefit from the DCP. The Drought Task Force will work together to develop the DCP

through a series of workshops and reviews. Responsibilities of the Drought Task Force members include gathering input from the community, interest groups, and/or stakeholders that they represent; participating in DCP development workshops; reviewing and commenting on DCP documentation; communicating draft and final versions of the DCP to the group they represent; and participating in the implementation of the DCP. Several organizations/entities have provided letters of support for this DCP effort:

- **Building Industry Association of Southern California (BIASC)** – BIASC is committed to a better future for California by building communities, creating jobs and ensuring housing opportunities for everyone.
- **California State Assemblymember Phillip Chen** – Phillip Chen is the State Assemblymember for TVMWD.
- **Chino Basin Watermaster** – the Chino Basin watermaster administers adjudicated water rights and manages groundwater resources within the Chino Groundwater Basin in Los Angeles County, California, which provides water supply for the TVMWD service area.
- **Main San Gabriel Watermaster** – the Main San Gabriel watermaster administers adjudicated water rights and manages groundwater resources within the Main San Gabriel Groundwater Basin in Los Angeles County, California, which provides water supply for the TVMWD service area.
- **MWD** – TVMWD is one of 26 member agencies of MWD.
- **San Gabriel Valley Economic Partnership** – represents an economic and business development agency in the San Gabriel Valley.
- **Ten of TVMWD’s retail member agencies** with whom TVMWD has a history of collaborative planning, including on their most recent respective UWMPs, including **California State Polytechnic University, Pomona (Cal Poly Pomona), City of Covina, City of Claremont, City of Glendora, City of La Verne, City of Pomona, Rowland Water District, Suburban Water Systems, Valencia Heights Water Company, and Walnut Valley Water District.**

TVMWD is also in the process of performing outreach to their remaining retail member agencies, along with several other organizations for participation in the Drought Task Force, including but not limited to local environmental, sustainability, and social interest groups.

### **Evaluation Criterion C: Project Implementation**

**Describe how each of the six required elements of a Drought Contingency Plan, as applicable, will be addressed within the two-year timeframe.**

The DCP will be developed by TVMWD in collaboration with the Drought Task Force and a technical consultant as described in the project description. A preliminary schedule is provided in Table 1, which will be refined during the development of the detailed work plan. Over the course of the two-year timeframe and as shown on the schedule, TVMWD will host six collaborative workshops with the Drought Task Force. The workshops will be held to solicit input on the DCP development process and to ensure that a wide range of perspectives are considered. The initial workshop will serve as a project kick-off to acquaint the members of the Drought Task Force with the overall process, expectations, schedule, and to develop the DCP goals and objectives.

The four workshops thereafter will be held at key milestones in relation to the following elements of the DCP: (1) Vulnerability Assessment; (2) Drought Monitoring; (3) Mitigation Actions, and; (4) Response Actions.

Using input from the workshops, these sections of the DCP will be documented in TMs which will be provided to the Drought Task Force for review and further input. The estimated timeframe for when these TMs will be finalized is included on the schedule. A final workshop will be held with the Drought Task Force to solicit input on the draft DCP prior to submitting to Reclamation. Following this workshop, TVMWD will incorporate any comments from the Drought Task Force and submit to Reclamation for initial review. Following the incorporation of comments by Reclamation, the DCP will be submitted for Reclamation and TVMWD Board of Directors approval.

**Table 1: TVMWD DCP Preliminary Project Schedule**

Task No.	FY2022/23												FY2023/24												FY2024/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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**Describe the availability and quality of existing data and models applicable to the proposed plan or plan update.**

TVMWD will leverage existing data to prepare the DCP, which could include: TVMWD and local member agency 2020 UWMPs and accompanying WSCPs; MWD's 2020 UWMP; data from MWD's 2020 IRP (currently under development); DWR's statewide climate dataset; Groundwater Sustainability Plan for the Spadra groundwater basin; Watermaster annual reports for adjudicated basins within the TVMWD service area; and California's 2020 Water Resilience Portfolio.

**Identify staff with appropriate technical expertise and describe their qualifications. Describe any plans to request additional technical assistance from Reclamation or by contract.**

**Matthew Litchfield, PE** – General Manager, TVMWD: Matthew Litchfield is a licensed civil engineer and has a bachelor's degree in Civil Engineering from the University of Arizona.



Matthew has over 20 years of experience in the water and wastewater industry. As a seasoned professional with a proven background in water and wastewater agency executive management positions, Matthew has developed a skill set that fosters collaboration amongst elected officials as well as staff.

**Sylvie Lee, PE** – Chief Water Resources Officer, TVMWD: Sylvie Lee is a licensed civil engineer and has a master's degree in Civil Engineering from University of California Los Angeles and a bachelor's degree in Chemical Engineering from University of California Riverside. Sylvie has over 20 years of experience in water resources planning and currently coordinates efforts among TVMWD's 13 member agencies and with MWD to ensure water supplies meet the region's needs in a reliable and cost-effective manner.

**Kevin Panzer, PE** – Assistant Engineer, TVMWD: Kevin Panzer is a licensed civil engineer and has a bachelor's degree in Civil Engineering from California State University Long Beach. Kevin has over 12 years of experience in water and wastewater industries and developed unique perspectives obtained from both in-field construction and engineering design. Kevin is responsible for assisting in the development of the Districts' water resource planning and capital improvement projects.

**Kirk Howie** – Chief Administrative Officer, TVMWD: Kirk Howie has a bachelor's degree in finance and a master's degree in business administration from California State Polytechnic University, Pomona. Kirk has over 25 years of experience and is responsible for handling legislative affairs and policy issues and overseeing the outreach programs and administrative operations of TVMWD, including personnel matters and the information technology systems.

**Marissa Turner** – Administrative/Communications Assistant, TVMWD: Marissa Turner has an associate degree from Chaffey Community College and has been in the water industry for over 3 years. Marissa is responsible for performing a variety of administrative duties including supporting the Chief Administrative Officer, Executive Assistant and Human Resources/Risk Manager. Additionally, Marissa manages the educational outreach programs for TVMWD.

#### **Evaluation Criterion D: Nexus to Reclamation**

TVMWD is a member agency of MWD. Critically dry conditions are affecting MWD water supply sources and continued legal and regulatory limits further impact its water supplies. TVMWD holds a nexus to Reclamation in that 1) multiple MWD water supply sources are linked to Reclamation, particularly the Colorado River, 2) the service area was part of a 2014 Reclamation report that aimed to evaluate existing water conservation and potential for new facilities and operational changes for increased capture and recharge to address future conditions, and 3) there are multiple census tracts of disadvantaged and severely disadvantaged communities in the service area that would ultimately benefit from the development and implementation of a DCP.

1) TVMWD service area's water supply portfolio consists of approximately 55 percent imported water, 40 percent groundwater and 5 percent surface water. TVMWD's main source of supply is imported water purchased from MWD. Roughly half of TVMWD's imported water is sourced from the Colorado River. In August 2021, Reclamation for the first time declared a water



shortage at one of the Colorado River's main reservoirs, Lake Mead. Under future conditions where more regular and substantial deficiencies in Colorado River supplies is expected, a DCP would help establish drought-specific conservation measures and mitigation actions/alternatives to introduce regional solutions that connect challenged areas, such as SWP dependent areas, to other areas that have a more robust water supply portfolio that involves both local supplies and other imported supplies.

2) In 2014, Reclamation completed the Los Angeles Basin Stormwater Conservation Study which encompassed the Los Angeles River, San Gabriel River, South Santa Monica Bay, North Santa Monica Bay, Ballona Creek, Malibu Creek, and Dominguez Channel/Los Angeles Harbor watersheds. The study's purpose was to identify water conservation alternatives, conduct trade-off analyses, and develop recommendations to bridge the gap between current and future water supply and water demand in the study area, considering climate change and population growth projections. The findings of this study have served as a resource for TVMWD and other MWD agencies to understand the escalating need for water supply conservation and sustainability as population growth and climate change impacts are anticipated to further strain resources.

3) There are both disadvantaged communities (DAC) and severely disadvantaged communities (SDAC) within the TVMWD service area. DACs are Census geographies with an annual median household income (MHI) that is between 60% and 80% of the Statewide annual MHI. SDACs are Census geographies having less than 60% of the Statewide annual MHI. As shown in Appendix B, Figure 1, Census Tracts which are defined as SDACs in the TVMWD service area are concentrated around the City of Pomona and Rowland Heights. DACs can also be found around Pomona and Rowland Heights, in addition to North Pomona and Claremont. Figures 2 and 3 in Appendix B show other metrics which can be used to represent disadvantaged communities in the TVMWD service area. As shown in Figure 2, Appendix B, large concentrations of populations affected by higher unemployment rates exist near the designated DAC or SDAC areas, but there are also pockets of high unemployment in other areas within the TVMWD service area, indicative of additional areas of disadvantaged populations beyond those captured in the Census Tracts. Similarly, as shown in Appendix B, Figure 3, portions of the established DAC and SDAC areas also spend more of their income on rent, but there are also other areas within the TVMWD service area with a high rent-to-income ratio, also indicative of additional areas of disadvantaged populations beyond those captured in the Census Tracts.

The Pacific Institute released a report in 2017 entitled *Drought and Equity in California*. This report documented the results of a study which analyzed the impacts of the 2012-2016 drought in California. The study found that more than half of the utilities analyzed increased the price of water in 2015. These price increases disproportionately impact low-income households, who tend to use less water. Development of a DCP would allow TVMWD to develop a comprehensive plan to ensure a more equitable process for allocating potential future limited water supplies.

## Project Budget

### Funding Plan and Letters of Commitment

The total estimated cost for preparation of the DCP is \$400,024, of which TVMWD is committed to providing \$200,024 as a non-federal match. Project funding will be provided through TVMWD's operating budget via water sales, assessments, and property taxes. Funding from other sources other than Reclamation will not be requested. As shown in Table 2, \$125,000 in in-kind costs are estimated to reflect the efforts that TVMWD will assist with during Phase 1 and 2. The summary of non-federal and federal funding sources is provided in Table 3 and the Phase 1 budget proposal is provided in Table 4.

### Budget Proposal

**Table 2: Total Project Cost Table**

<b>SOURCE</b>	<b>AMOUNT</b>
Costs to be reimbursed with the requested Federal funding	\$200,000
Costs to be paid by the applicant	\$75,024
Value of third-party contributions	\$125,000
<b>TOTAL PROJECT COST</b>	<b>\$400,024</b>

**Table 3: Summary of Non-Federal and Federal Funding Sources**

<b>FUNDING SOURCE</b>	<b>AMOUNT</b>
Three Valleys Municipal Water District	\$200,024
<b>Non-Federal Subtotal</b>	<b>\$200,024</b>
<b>REQUESTED RECLAMATION FUNDING</b>	<b>\$200,000</b>

**Table 4: Phase I Budget Proposal**

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST (rounded to the nearest dollar)
	\$/Unit	Quantity		
Salaries and Wages				
General Manager	\$138.00	11	hours	\$1,518.00
Chief Water Resources Officer	\$113.00	57	hours	\$6,441.00
Senior Engineer	\$57.20	109	hours	\$6,235.00
Chief Administrative Officer	\$123.00	16	hours	\$1,968.00
Administrative/Communications Assistant	\$32.00	59	hours	\$1,888.00
Fringe Benefits				
General Manager	\$61.41	11	hours	\$676.00
Chief Water Resources Officer	\$50.29	57	hours	\$2,866
Senior Engineer	\$25.45	109	hours	\$2,775.00
Chief Administrative Officer	\$54.74	16	hours	\$876.00
Administrative/Communications Assistant	\$14.24	59	hours	\$840.00
Equipment				
N/A				
N/A				
Supplies and Materials				
N/A				
N/A				
Contractual/Construction				
Technical Consultant	\$20,000.00			\$20,000.00
Third-Party In-Kind Contributions				
N/A				
N/A				
Other				
N/A				
TOTAL DIRECT COSTS				\$46,083.00
Indirect Costs (10%)				\$4,608.00
TOTAL ESTIMATED PROJECT COST				\$50,691.00

## **Budget Narrative**

The narrative below describes costs associated with Phase I. Phase I includes establishing a Drought Task Force (Task 1) and developing a detailed workplan (Task 2).

### ***Salaries and Wages***

**Sylvie Lee, Chief Water Resources Officer** – Ms. Sylvie Lee will serve as the project manager for the proposed project. An estimated 4 hours per week over the course of two months (total of 32 hours) is estimated to initiate the Drought Task Force under Task 1. A total of 25 hours are estimated under Task 2, which includes 10 hours to coordinate with Reclamation to execute an agreement; 5 hours to draft and release an RFP for a technical consultant to prepare the DCP and the communications and outreach plan; and 10 hours to provide input on the communications and outreach plan and the detailed work plan.

**General Manager** – An estimated 4 hours is estimated for the General Manager to assist in initiating the Drought Task Force. Another 7 hours are estimated for the General Manager under Task 2, which includes providing input to execute an agreement with Reclamation, reviewing the RFP, and providing input on the communications and outreach plan and detailed work plan.

**Senior Engineer** – An estimated 8 hours per week over the course of two months (total of 64 hours) is estimated for the Senior Engineer to initiate the Drought Task Force under Task 1. A total of 45 hours are estimated under Task 2, which includes 5 hours to coordinate with Reclamation to execute an agreement, 15 hours to draft and release the RFP, and a total of 25 hours to provide input on the communications and outreach plan and draft the detailed work plan.

**Chief Administrative Officer** – An estimated 4 hours is estimated for the Chief Administrative Officer to assist in initiating the Drought Task Force. Another 12 hours are estimated for the Chief Administrative Officer under Task 2, which includes 5 hours to coordinate internally to execute an agreement with Reclamation and to provide input on the RFP, and 7 hours to provide input on the communications and outreach plan and the detailed work plan.

**Administrative/Communications Assistant** – An estimated 6 hours per week over the course of two months (total of 48 hours) is estimated for the Administrative/Communications Assistant to initiate the Drought Task Force under Task 1. A total of 11 hours are estimated under Task 2 to provide administrative and communications support services related to executing an agreement with Reclamation, drafting and releasing the RFP, and developing the communications and outreach plan and detailed work plan.

### ***Fringe Benefits***

Fringe benefits are calculated as 44.5% of the salaries and wages identified in Table 4. TVMWD fringe benefits include health and life insurance, employee discounts, employee stock options, and family and medical leave.

***Contractual***

An estimated \$20,000 is included for a technical consultant to develop the communications and outreach plan. The scope of this effort and a refined cost will be included in the detailed work plan. The technical consultant will be selected through the RFP process discussed as part of Task 2.

***Indirect Costs***

A 10% de minimus rate for indirect costs is included in Table 4.

***Equipment, Supplies and Materials, Third Party, Other***

No costs are planned under the categories of equipment, supplies and materials, third party, and other.

**Required Permits or Approvals**

No permits or approvals are required for development of the DCP.

**Existing Drought Contingency Plan (if applicable)**

Not applicable. TVMWD does not have an existing DCP with the required elements as identified by Reclamation.

**Letters of Support**

Please see support letters in Appendix A.

**Official Resolution**

A draft resolution is included below. The official resolution will be signed on April 20, 2022 and will be forwarded to Reclamation within 30 days after the application deadline.

**RESOLUTION NO. 22-04-923**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THREE VALLEYS MUNICIPAL  
WATER DISTRICT AUTHORIZING TVMWD'S APPLICATION FOR THE BUREAU OF  
RECLAMATION WATERSMART: DROUGHT RESPONSE PROGRAM FOR FISCAL  
YEAR 2022**

**WHEREAS**, the Three Valleys Municipal Water District ("TVMWD") is a municipal water district established pursuant to Section 71000 et seq. of the California Water Code; and

**WHEREAS**, TVMWD is a member agency of the MWD Water District of Southern California ("MWD") and is responsible for the sale and distribution of the water it purchases from MWD; and

**WHEREAS**, imported water supply in the TVMWD service area is facing a growing list of challenges associated with a prolonged drought, regulatory cutbacks on State Water Project deliveries, Delta instability, climate change, aging infrastructure, and growing population; and

**WHEREAS**, the United States Department of the Interior, Bureau of Reclamation, under the WaterSMART: Drought Response Program: Drought Contingency Planning Grants for Fiscal Year 2022 will make funding available to qualifying applicants; and

**WHEREAS**, the Board of Directors of TVMWD has identified a project that exemplifies the objectives of the WaterSMART grant in the Water Resources Master Plan; and

**WHEREAS**, TVMWD agrees to the administration and cost sharing requirements of the WaterSMART Grant criteria.

**NOW THEREFORE BE IT RESOLVED** by the TVMWD's Board of Directors as follows:

1. The Board of Directors has reviewed and supports the grant application to be submitted to the Bureau of Reclamation for the WaterSMART: Drought Response Program: Drought Contingency Planning Grants for Fiscal Year 2022 grant in the amount of \$200,000.

2. This resolution shall be a component part of TVMWD's grant application.

3. TVMWD is capable of providing the amount of funding and/or in-kind contributions specified in the grant application funding plan.

4. TVMWD is hereby authorized to receive, if awarded, the WaterSMART: Drought Response Program: Drought Contingency Planning Grants for Fiscal Year 2022 funding in the amount of \$200,000 and will make a good faith effort to negotiate and enter into a cooperative agreement with the Bureau of Reclamation for the receipt and administration of said grant funds.

5. The General Manager, or his designee, is hereby authorized to take any and all actions which may be necessary for the negotiation, completion, and execution of the cooperative agreement and to take any and all other actions which may be necessary for the receipt and administration of the grant funding in accordance with the requirements of the Bureau of Reclamation.

6. This Resolution shall be effective as of the date of adoption.

**ADOPTED** and **PASSED** at a meeting of the Three Valleys Municipal Water District's Board of Directors held via teleconference, on this 20th day of April 2022 by the following vote:

AYES: BOWCOCK, DE JESUS, GOYTIA, KUHN, ROBERTO, SOTO, TI

NOES:

ABSTAIN:

ABSENT:

---

Jody Roberto  
President, Board of Directors

ATTEST:

---

Carlos Goytia  
Secretary, Board of Directors

SEAL:

Building Industry Association of Southern California, Inc.



April 11, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The Building Industry Association of Southern California (BIASC) is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

BIASC is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which BIASC supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Montejano', with a stylized flourish at the end.

Jeff Montejano  
Chief Executive Officer  
BIASC

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District

17192 MURPHY AVE., #14445, IRVINE, CA 92623  
949.552.9500 | BIASC.ORG

View  
Baldy  
LA  
Ventura  
Orange County  
Riverside County



STATE CAPITOL  
P.O. BOX 942849  
SACRAMENTO, CA 94249-0055  
(916) 319-2055  
FAX (916) 319-2155

DISTRICT OFFICE  
3 POINTE DRIVE, SUITE 313  
BREA, CA 92821  
(714) 529-5502  
FAX (714) 529-5548

Assembly  
California Legislature



COMMITTEES  
VICE CHAIR: BANKING AND FINANCE  
VICE CHAIR: ENVIRONMENTAL  
SAFETY AND TOXIC MATERIALS  
INSURANCE  
UTILITIES AND ENERGY

April 11, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for  
FY 2022

To the Selection Committee:

As the State Assemblymember for the Three Valleys Municipal Water District (TVMWD), I am pleased to support the District in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

I am particularly supportive of this open and inclusive planning effort, as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which I support as well.

I hope that this expression of support is helpful to the TVMWD in their efforts to secure grant funding assistance to implement their plans.

Sincerely,

A handwritten signature in cursive script that reads "Phillip Chen". The signature is written in dark ink and is positioned above the printed name and title.

Phillip Chen, Ed.D  
California State Assembly, 55<sup>th</sup> District



## CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.  
General Manager

April 6, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178 WaterSMART Drought Response  
Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The Chino Basin Watermaster (CBWM) is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

CBWM is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which CBWM supports as well.

We are excited to be a part of this important program, and look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

Peter Kavounas, P.E.  
General Manager

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District



Main San Gabriel Basin  
WATERMASTER

March 28, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response  
Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The Main San Gabriel Basin Watermaster is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The Main San Gabriel Basin Watermaster is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the Main San Gabriel Basin Watermaster supports as well.

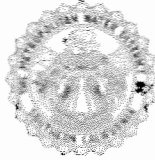
We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

Anthony C. Zampello  
Executive Officer  
Main San Gabriel Basin Watermaster

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District

725 North Azusa Avenue • Azusa, California 91702 • Telephone (626) 815-1300 • Fax (626) 815-1303  
<http://www.watermaster.org>



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

Office of the General Manager

April 4, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Dear Mr. Dieterich:

Re: Support for Three Valleys Municipal Water District's FY 2022 WaterSMART Grant Application

The purpose of this letter is to express The Metropolitan Water District of Southern California's (Metropolitan) support for the Three Valleys Municipal Water District's (Three Valleys) grant application for the Bureau of Reclamation's FY 2022 WaterSMART Drought Response Program. Three Valleys is submitting the grant application for their Drought Contingency Plan.

In partnership with local water agencies, Metropolitan is a statewide leader in implementing water conservation programs and incentivizing resilient local water resources such as wastewater recycling, groundwater recovery and groundwater storage. Metropolitan has invested more than \$1.5 billion in these local resources and our water agency partners, such as Three Valleys, have invested many billions more.

The severity of California's current drought coupled with the shortage declaration on the Colorado River and the projected long-term impacts of climate change underscore the need for continued diversification of Southern California's water resource portfolio. Metropolitan's One Water strategy manages future droughts through an adaptive management approach designed to achieve reliability. This includes setting regional goals for sustainable local resources such as groundwater. Three Valleys' Drought Contingency Plan will help the region build resiliency to climate change and other uncertainties.

Metropolitan supports FY 2022 WaterSMART funding for the plan, which would allow Three Valleys to optimize the use of available local groundwater and imported surface water supplies.

Please contact Warren Teitz at (213)217-7418 or via e-mail at [wteitz@mwddh2o.com](mailto:wteitz@mwddh2o.com) if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Brad Coffey".

Brad Coffey  
Manager, Water Resource Management



March 31, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The San Gabriel Valley Economic Partnership (SGVEP) is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The SGVEP is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the SGVEP supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

A handwritten signature in black ink, appearing to read "Luis Portillo".

Luis Portillo  
President & CEO

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District



California State Polytechnic University, Pomona • 3801 West Temple Avenue, Pomona, CA 91768  
Phone 909.869.3030 • [www.cpp.edu/~fpm](http://www.cpp.edu/~fpm)

FACILITIES PLANNING & MANAGEMENT

March 30, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

Cal Poly Pomona is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

Cal Poly is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which xxx supports as well.

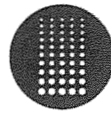
We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

A handwritten signature in cursive script that reads "George A. Lwin".

George A. Lwin  
Manager, Energy, Utilities & MEP Services  
Facilities Planning & Management

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District



**Suburban  
Water Systems**  
A SouthWest Water Company



April 11, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The undersigned agencies are pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The collective agencies are particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the agencies supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

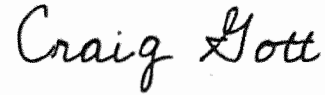
Sincerely,



City of Covina  
Patricia Cortez, Mayor



P. David Michalko, General Manager  
Valencia Heights Water Company



Suburban Water Systems  
President



---

Erik Hitchman  
General Manager  
Walnut Valley Water District

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District





## CITY OF CLAREMONT

*Administrative Services Department*

City Hall  
207 Harvard Avenue  
P.O. Box 880  
Claremont, CA 91711-0880  
FAX (909) 399-5492  
[www.ci.claremont.ca.us](http://www.ci.claremont.ca.us)

City Manager • (909) 399-5441  
City Clerk • (909) 399-5460  
Community Information • (909) 399-5497  
Personnel • (909) 399-5450  
Technology • (909) 399-5462  
[contact@ci.claremont.ca.us](mailto:contact@ci.claremont.ca.us)

March 30, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

**Funding Opportunity Announcement No: R22AS00178**  
**WaterSMART Drought Response Program: Drought Contingency Planning Grants**  
**for FY 2022**

To the Selection Committee:

The City of Claremont is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

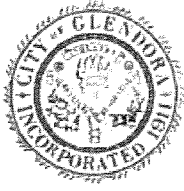
The City of Claremont is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the City of Claremont supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

City Manager

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District



CITY OF GLENDORA CITY HALL

(626) 914-8200

116 East Foothill Blvd., Glendora, California 91741  
www.ci.glendora.ca.us

March 30, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The City of Glendora (City) is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The City is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the City supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

Karen K. Davis, Mayor

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District

PRIDE OF THE FOOTHILLS



# CITY OF LA VERNE CITY HALL

3660 "D" Street, La Verne, California 91750-3599  
[www.cityoflaverne.org](http://www.cityoflaverne.org)

March 30, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

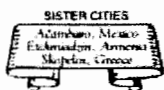
The City of La Verne is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The City of La Verne is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which the City of La Verne supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

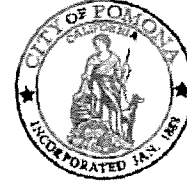
Director of Public Works  
City of La Verne



General Administration 909/596-8726 • Water Customer Service 909/596-8744 • Community Services 909/596-8700  
Public Works 909/596-8741 • Finance 909/596-8716 • Community Development 909/596-8706 • Building 909/596-8713  
Police Department 909/596-1913 • Fire Department 909/596-5991 • General Fax 909/596-8737

THE CITY OF  
**POMONA**

Water and Wastewater Operations



March 23, 2022

Bureau of Reclamation  
Acquisition Operations Branch  
Attn: Mr. Michael Dieterich  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

Re: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022

To the Selection Committee:

The City of Pomona is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

The City of Pomona is particularly supportive of this open and inclusive planning effort, as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects is critical for effective local sustainability in support of building long-term resiliency to drought and impacts of climate change.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

Chris Diggs  
Water Resources Director

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District

148 N. Huntington St., Box 660, Pomona, CA 91768, (909) 620-2251  
**Pomona • Vibrant • Safe • Beautiful**



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*President*

SZU PEI LU-YANG  
*Vice President*

JOHN E. BELLAH

ROBERT W. LEWIS

VANESSA HSU

March 30, 2022

Mr. Michael Dieterich  
Bureau of Reclamation  
Acquisition Operations Branch  
Mail Code: 84-27852  
P.O. Box 25007  
Denver, CO 80225

RE: Funding Opportunity Announcement No: R22AS00178  
WaterSMART Drought Response Program: Drought Contingency Planning Grants for  
FY 2022

To the Selection Committee:

The Rowland Water District (RWD) is pleased to support the Three Valleys Municipal Water District (TVMWD) in its submission of a grant application to the U.S. Bureau of Reclamation (USBR) in response to the Funding Opportunity Announcement No: R22AS00178, WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2022.

RWD is particularly supportive of this open and inclusive planning effort as it will support continued regional drought planning efforts through the implementation of projects to increase the sustainable use of groundwater from the various basins it overlies while optimizing the imported water supplies. The impact of this planning and potential projects from this effort is critical for effective local sustainability planning for this region in support of building long-term resiliency to drought and impacts of climate change, which RWD supports as well.

We are excited to be a part of this important program, and we look forward to providing assistance to TVMWD's staff in gathering and developing the Grant's required reporting documents to monitor the projects' performance measures.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Coleman".

Tom Coleman  
General Manager

cc: Matthew Litchfield – Three Valleys Municipal Water District  
Sylvie Lee – Three Valleys Municipal Water District

General Manager: TOM COLEMAN    Legal Counsel: JOSEPH P. BYRNE

3021 Fullerton Road, Rowland Heights, CA 91748 • (562) 697-1726 • rowlandwater.com