

APPLICANT INFORMATION

Please complete the following summary form for the application. This form should be saved and submitted with the forms intact via email to urbandrought@water.ca.gov. Please do not print to pdf or scan this form. If the application contains more than five projects, please contact DWR for an expanded form. A Project Information Form should be complete for each project in addition to this summary form.

Applicant Name Tuolumne Stanislaus Integrated Regional Water Management Authority

Primary Contact Name Lindsay Mattos

Title Administrator

E-mail lindsay@tcrwd.org

Address PO Box 4394

City Sonora CA

Zip Code 95370

Telephone (209) 559-9066

Total State Funding Requested: \$9,785,729

Does this application include project(s) benefitting underrepresented communities/Tribes?

Pull down: Yes

Provide a summary of the budget for the application including other cost share (if applicable), for all projects included in the application. Please note that there is no required non-state cost share, but cost share is encouraged. Applicants are required to show other cost share to account for the full project budget. Funding source(s) for cost share must be described for each project in Question 15 on the Project Information Form.

APPLICATION BUDGET SUMMARY

	PROJECTS	Grant Amount	Other Cost Share	Total Cost
	Grant Administration	195,000		195,000
1	Project Name: Westside Dam Rehabilitation (Tuolumne Log Pond Dam Spillway Upgrade Project)	6,266,189	500,000	6,766,189
2	Project Name: Water Line Improvements on the Tuolumne Rancheria	2,497,540		2,497,540
3	Project Name: Pinecrest Permittees Water Storage Tanks Replacement	827,000		827,000

4	Project Name:			
5	Project Name:			
	GRAND TOTAL	9,785,729	500,000	10,285,729



Eligibility Criteria Self-Certification Form

As an applicant with the Department of Water Resources' (DWRs) Financial Assistance Branch, you must complete this self-certification form as a condition to enter into a Grant Agreement with DWR to receive grant funds. Failure to meet and continue to comply with these conditions and requirements may result in DWR revoking the grant award, withholding grant funding, stopping invoice payment, and/or terminating the Grant Agreement. An answer of "No" to certain questions below may make you ineligible to enter into an agreement with DWR. If any question is going to be answered as "No" please contact DWR at urbandrought@water.ca.gov.

1. Applicant Eligibility

Applicant Name: Tuolumne Stanislaus Integrated Regional Water Management Authority
Applicant Entity Type: Joint Powers Authority

Table with 2 columns: Applicant/Local Project Sponsor Name, Applicant/Local Project Sponsor Entity Type. Rows include Tuolumne Band of MeWuk (Tribe) and Pinecrest Permittees Association (Non Profit).

If the Applicant or any Local Project Sponsor is a mutual water company or public utility, does their proposed project have a clear and definite public purpose that benefits the customers of the water system or other public utility and not the investors?

Yes [] No [x]

If yes, please state the public purpose and explain how it benefits the customers:

2. Authorizing Resolution

A resolution adopted by the applicant's governing body authorizing the application for a grant under this program that designates a representative to sign the application, and in the event of an award of grant funds, a representative to execute the funding agreement and all necessary documentation (e.g., invoices, progress reports, etc.) is required. A signed, certified resolution must be received prior to the execution of a grant agreement with the State.

Is the authorizing resolution complete and included with the application? If there is not a resolution included at time of application, please provide an estimate for when it will be complete.

Will be adopted by TSIRWMA in February.



3. Urban Water Management Compliance

List the urban water suppliers (UWS), as defined by Water Code section 10617, that will receive funding if the application is awarded funds. Does each UWS have a current Urban Water Management Plan (UWMP) verified by DWR that addresses the requirements of the California Water Code? Each UWS must also have a complete and validated water loss audit report verified by DWR in accordance with Senate Bill (SB) No. 555 (Stats. 2015, ch. 679). Additionally, each UWS proposing wastewater projects, water use efficiency projects, or drinking water projects must be compliant with the water metering requirements contained in Water Code section 525 et seq.

Table with 2 columns: Urban Water Supplier, Date UWMP verified by DWR. Row 1: N/A, empty. Rows 2-5: empty.

Are all Urban Water Suppliers compliant with all requirements for Urban Water Suppliers including but not limited to metering requirements (Water Code, § 525 et seq.), water loss audits, and monthly reporting to the State Water Resources Control Board (SWRCB)? Yes [] No []

If a supplier isn't compliant with the requirements, please explain: Not Applicable.

4. Water Shortage Contingency Plan (WSCP)

List the urban water suppliers that will receive funding if the application is awarded funds. Does each UWS have an activated Water Shortage Contingency Plan to a stage appropriate for their water conditions? DWR will verify the status with the water board.

Table with 2 columns: Urban Water Supplier, Date WSCP was activated. Row 1: N/A, empty. Rows 2-5: empty.



5. Agricultural Water Management and Measurement Compliance

List the agricultural water suppliers, as defined by Water Code section 10608.12(a), that will receive funding if the application is awarded funds. If there are none, please indicate so. Each supplier must have a completed Agricultural Water Management Plan (AWMP) that has been verified by DWR. If the supplier provides less than 25,000 irrigated acres, they will be exempt from the AWMP requirement.

Agricultural Water Supplier	Date AWMP verified by DWR, or exempt
N/A	

Are all Agricultural Water Suppliers compliant with all other requirements of an Agricultural Water Supplier including but not limited to farm gate delivery reports, Efficient Water Management Practices, Water Measurement regulations, etc.?

Yes No

If a supplier isn't compliant with the requirements, please explain:

6. Surface Water Diverter Compliance

List the surface water diverters that will receive funding if the application is awarded funds. If there are none, please indicate so. For the listed surface water diverters, state whether each diverter has submitted their latest annual and monthly surface water diversion reports in compliance with requirements outlined in Water Code section 5100 et seq., and their Use Reports as set forth in the California Code of Regulations, title 23, section 907 et seq., to the SWRCB.

Surface Water Diverter	Has Surface Water Diverter submitted all required reports to SWRCB to remain up to date? (Yes/No)
N/A	



7. Groundwater Management Compliance

List any projects that directly affect groundwater levels or quality. You can find your groundwater basin and the priority by going to the following link:

<https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#gwlevels%C2%A0>

Project Name	Grantee/Local Project Sponsor	Groundwater Basin	Priority of the basin
N/A			

8. Groundwater Management Compliance Self-Certification

Groundwater Management Compliance: The Applicant and any Local Project Sponsors must maintain continuing eligibility with the current Sustainable Groundwater Management Act (SGMA, Water Code, § 10720 et seq.) requirements as they come into effect.

- Yes, the Applicant and Local Project Sponsors agree to maintain continuing eligibility with the most current SGMA requirements, as applicable.
- No, the Applicant and Local Project Sponsors do not agree to maintain continuing eligibility with the most current SGMA requirements, as applicable. DWR cannot enter into a Grant Agreement.

9. California Statewide Groundwater Elevation Monitoring (CASGEM) Compliance

Please fill out the following table for any projects located in a high or medium priority groundwater basin as identified by the CASGEM program. Projects in high and medium priority groundwater basins that do not have a CASGEM monitoring entity will not be eligible for funding if the grant applicant and Local Project Sponsor are listed as potential monitoring entities in Water Code section 10927. The same applies to counties whose jurisdictions include unmonitored high and medium priority groundwater basins (Water Code, § 10933.7(a)).



Project	Basin Monitoring Entity	If there is no monitoring entity, is the Local Project Sponsor is an eligible monitoring entity per Water Code section 10928?
N/A		

10. Stormwater Projects

If a project is a stormwater and/or dry weather runoff capture project, is it included in a Stormwater Resource Plan or functionally equivalent plan (FEP) if applicable? Projects that benefit a DAC with a population of 20,000 or less are exempt from this requirement. However, they must not be a co-permittee for a municipal separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permit issued to a municipality with a population greater than 20,000 (Water Code, § 10563(c)(2)(B)).

Project (only list stormwater and/or dry weather runoff capture projects)	Project Included in a Stormwater Resource Plan or FEP?
N/A	



11. Agreement Template

Have you and your counsel reviewed the agreement template and all terms and conditions?

Yes No

I understand that the Department of Water Resources will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Self-Certification may result in revocation of the award of funds or loss of all funds awarded to the Grantee. and that reimbursement of any grant funds is reliant upon the Grantee and all local project sponsors to meet and maintain all eligibility requirements outlined within this Self-Certification form, the 2021 Urban and Multibenefit Drought Relief Program Guideline and Proposal Solicitation Package, and the Grant Agreement terms and conditions. Additionally, for the aforementioned reasons, the Department of Water Resources may withhold disbursement of grant funds and/or pursue any other applicable legal remedies.

Lindsay Mattos, Administrator,
January 14, 2022

Name of Authorized Representative

Signature

Title

Date

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: Westside Dam Rehabilitation (Tuolumne Log Pond Dam Spillway Upgrade Project)
2. Local Project Sponsor (if different than grantee): Tuolumne Band of Me-Wuk Indians
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 37.958270

Longitude: -120.244070

4. Please briefly describe the proposed project.
The Westside Dam was originally built in 1912 by the Pickering Lumber Company. The pond was used by various companies for lumber milling operations until the last sawmill closed in the 1960's. When functional, the Westside Dam holds approximately 120-acre feet of water in the Westside Log Pond, or Mill Pond. The pond is filled by water from the Turnback Creek watershed. Historically, besides the industrial processes at the lumber mill, water in the pond was used for groundwater recharge of area wells, fire suppression by local fire departments, wildlife and vegetation habitat, and limited recreation.

In 2004, the Tuolumne Band of Me-Wuk Indians (Tribe) acquired the former sawmill property including the dam and pond. Soon after, the CA Division of Safety of Dams (DOSD) determined that the Westside Dam was not able to withstand a 4000-year flood event and needed to be rehabilitated. Consequently, DOSD has ordered that the stop logs in the dam be removed. Currently, the dam holds no water and all of the water from the upper Turnback Creek watershed flows directly into Lake Don Pedro Reservoir.

The Tribe proposes to restore the Westside Dam in order to mitigate flooding hazards, provide a stable and consistent source of water for fire suppression activities, recharge area groundwater and aquifers, as well as restore the riparian habitat including the removal of invasive species and restoration of habitat and ecosystem of critically important native species including plants, amphibians, waterfowl, and fish.

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.
If the dam is not repaired, there is potential for flooding and projected impacts to

critical infrastructure below. Map projections estimate the following will be impacted due to flooding: Tuolumne Sanitation District Facilities; Residents in multiple communities; possible damage to bridge infrastructure on Yosemite Road; possible infrastructure exposure to dam below site.

In addition, the pond has historically been used for fire suppression efforts. The dam, pond, and surrounding tribal lands are located in a remote high fire severity zone in the Sierra Nevada foothills. Refilling the pond and incorporating a drafting system would allow for a stable and consistent water source for the fire suppression needs of the area. Without the pond, fire suppression efforts would be impacted or jeopardized were a wildfire to occur in the area.

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.
- a. Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
 - b. Address immediate impacts on fish and wildlife resources.
 - c. Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.
7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:
<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

* Improve water supply sources and/or distribution within DAC and urban areas that have declining water quantity/quality or other water system reliability issues (e.g. fire-flow, contamination, etc.). Project location is within a DAC and will improve water supply sources including fire-flow and access for fire resiliency.

* Improve watershed health in support of increased water yield and ecosystem function. Rehabilitation of the dam will increase water storage capacity which will in turn improve watershed health and aid in ecosystem.

* Assist in the protection and recovery of sensitive, special status, threatened, culturally sensitive, and endangered native aquatic and other water dependent species in the region. Rehabilitation of dam will increase water storage which will aid in the protection and recovery of water dependent species in the region, giving them a place to thrive.

* Identify, preserve and promote the regeneration and restoration of wetlands, vernal pools, and native plant riparian habitat; and reduce invasive species. Rehabilitation of dam will increase water storage which will aid in the regeneration and restoration of native plant riparian habitat.

* Develop sufficient reliable and affordable water supplies to meet regional demands of existing and projected water supply needs under a multiyear drought now and into the

future. Rehabilitation of dam will increase water storage which will aid in regional groundwater storage and aquifer recharge.

* Improve integrated land use and natural resource planning to support watershed management actions that restore, sustain and enhance watershed functions. Rehabilitation of dam will increase water storage which will improve natural resources that sustain and enhance watershed functions.

8. Describe the Primary Benefit of the project.

Quantified benefit: 120

Units (Drop down):Acre feet per year If other please enter:

Benefit Type: Groundwater recharge If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit: 45

Units (Drop down):Acres If other please enter:

Benefit Type: Ecosystem/Habitat Restoration If other please enter:

10. Please briefly describe how the project will achieve the claimed benefits.

The dam, when operational, will allow the pond to hold approximately 120 acre feet of water, allowing for all water held back to help recharge area groundwater supplies and aquifers. Rehabilitating the Westside Dam and refilling the Westside Log Pond is expected to enhance groundwater and provide for additional water supply stability to both Tribal and private wells in the area. According to the Tuolumne County Environmental Health Department, as of this writing, a residential well approximately 1/2 mile to the north of the pond and multiple residential wells on Apple Colony Road 1/2 mile to the southeast of the pond have failed. Refilling the pond is expected to greatly enhance groundwater and reduce current and future well failures that occur in a Disadvantaged Community. This project would also allow all water held within the pond to be used for fire suppression, reducing the need for reliance on area well-filled tanks and/or municipal water supplies for such efforts.

A secondary benefit of ecosystem and habitat restoration will restore approximately 45 acres of freshwater and riparian habitat, allowing for the removal of several invasive species and the reintroduction of critically important native species including many species of plants, shrubs, waterfowl, amphibians, mammals, and fish. With predicted years of drought and resultant hotter/drier summers, the pond and surrounding wetland area are critical to the reintroduction and survival of these species and the riparian/freshwater ecosystems.

11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.

The Sierra Nevada foothills, where the project is located are experiencing unprecedented wildfire conditions. Lower relative humidities and higher temperatures in the summers are creating the perfect conditions for fire to spread, while lower winter-time precipitations are also contributing to abundant fuels in the form of dry vegetation. Catastrophic wildfire is very real and present threat.

Firefighting efforts at current would be heavily dependent on municipal water supplies from Tuolumne Utilities District (TUD). Water delivered by TUD comes primarily from small reservoirs through a long series of open-channel ditches developed during the gold

rush. The combined capacity of the storage reservoirs for the surface water supply is enough to meet the watershed's water demands for one year with no carryover. Approximately one mile of TUD's conveyance system that is used to deliver surface water consists of an elevated wooden flume located in a densely forested, steep canyon. Since Tuolumne County is rated as one of the highest fire hazard zones in the state, the Tribe and surrounding community is at great risk of losing its primary water supply if a wildfire were to burn the wooden flume. This makes water storage for firefighting efforts and other emergency supply of utmost importance.

Reservoirs throughout the area and all of California are low. Not only does this jeopardize fire fighting efforts but also the recharge of groundwater supplies. In addition, low water levels and warmer air temperatures increase water temperatures in reservoirs, creating a negative impact on aquatic species and increasing the likelihood of dangerous algal blooms or other water quality impacts.

12. How will this project alleviate the impacts described in your answer to Question 11?

Repairing the Westside Dam and refilling the Westside Log Pond would establish a known, reliable source of water for fire fighting efforts such as helicopter dips and/or water tender fills. This would ensure a much more timely and efficient response to any area fire, increasing the likelihood a fire could be contained before catastrophic spread.

In addition, re-establishing Westside Log Pond would allow for the recharge of area groundwater, as well as reintroduce important habitat for many native species currently unable to thrive in other drought-stricken areas of the Sierra Nevada.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration	240,000		240,000
(b)	Land Purchase / Easement	0		
(c)	Planning / Design / Engineering / Environmental Documentation	64,000		64,000
(d)	Construction / Implementation	5,962,189	500,000	6,462,189
	TOTAL COSTS	6,266,189	500,000	6,766,189

14. Please describe why state funding is needed for this project. If state funding is not secured, what will happen to the project?

The Tribe is committed to restoring the Westside Dam and Westside Log Pond. However due to COVID-19 and other economic factors, the Tribe does not currently have the financial

resources to take this project on without assistance. Were state funding to not be awarded, this project would be unlikely to be completed within the decade.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

The Tribe was awarded \$500,000 of Proposition One funding through the IRWM to contribute to this project. The contract for said funding is anticipated to be completed by March 2022.

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not complete or permission not secured at the time of application, please describe the plan to complete it.

The land is owned by the Tribe, no further land acquisition or permissions are required.

17. Has planning and design for this project been completed? If not, please describe the status of planning and design.

Planning and design has been completed by GEI Consultants, a subcontractor for the Tribe. GEI performed geotechnical explorations and geologic investigations, a structural stability analyses of the existing dam, and hydrology/hydraulic analyses. They concluded the dam is stable for static and seismic loads, but the spillway is inadequate to pass the design storm. Complete design plans to restore the dam in accordance with these findings have been submitted to DSOD.

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

CEQA: An Initial Study was prepared in 1992 that originally evaluated a golf course on the site as well as reconstruction of the Tuolumne Log Pond Dam. The Tuolumne County Board of Supervisors certified the project resulting in the issuing of a Negative Declaration issued on October 28, 1992. Reconstruction of the historic West Side Mill Pond Dam was specifically approved in this Negative Declaration. In addition, the Notice of Completion for the Negative Declaration for the Westside Cherry Valley Golf Club was issued on November 22, 2006. The need for the dam retrofit was identified in the IS/MND and impacts to riparian and aquatic features from retrofitting the dam were addressed.

Section 401 Permit, Water Quality Certification, Regional Water Quality Control Board: this permit was issued on August 26, 2019, but does not become valid until coverage under Section 404 CWA is obtained. It will be tied to the 404 expiration date once that is issued (see below).

Section 1600 Lake and Streambed Alteration Agreement, CA Fish and Wildlife: CDFW had a deadline of August 3, 2019 to issue a Stream bed Alteration Agreement or inform the Tribe that an Agreement was not needed for the project. CDFW did not meet that deadline; therefore, the project was been authorized by operation of law (oplaw). The Notification indicated a term of five years for the project, so the oplaw authorization would expire in 2024.

Section 404 Permit, U.S. Army Corps of Engineers: A memorandum of agreement (MOA) and historic properties treatment plan (HPTP) was approved by the State Historic Preservation Officer (SHPO) on July 16, 2020. Revisions have since been requested and submitted, with the latest revised copy of the MOA/HPTP being submitted on August 10, 2021. The Tribe received notice on January 11, 2022 that the MOA has been signed by SHPO and executed; the Tribe anticipates issuance of the 404 within the coming weeks.

19. Please briefly describe the necessary construction/implementation for this project.

Construction is anticipated to proceed for two seasons in 2022 and 2023 to accommodate allowable in-water work windows as agreed in the MOA. A construction contract will proceed in March 2022, and construction will start in May 2022 (depending on the weather). The construction contract will be completed in November 2023.

The proposed project consists of constructing a concrete labyrinth weir spillway located near the center of the dam and additional work to accommodate the weir. The foundation of the proposed labyrinth weir will be the existing concrete dam beneath the existing spillway. To construct the labyrinth weir spillway, the existing spillway and a portion of the surrounding dam on either side would be partially removed to a specified elevation to provide the foundation for the labyrinth weir spillway structure. The overall width of the weir and spillway is expected to be about 90 feet, with the weir measuring 16 feet deep and extending 18 feet below the crest of the dam, and the concrete spillway channel measuring 64 feet downstream of the dam. The crest of the new labyrinth weir portion of the dam would be approximately 5 feet lower than the proposed new dam crest. The spillway section would be topped with a new 7-foot-wide pedestrian access bridge and the dam crest will be raised with a 1-foot parapet. The mass of the new labyrinth weir and proposed steel anchors through the new spillway and into the existing concrete and foundation rock beneath the proposed weir will meet stability requirements.

A new concrete spillway channel downstream of the spillway weir will be designed and constructed to convey flows safely away from the dam and into Turnback Creek downstream. The dimensions of the new spillway channel will be wider than the existing channel, and new training walls will be constructed to replace the existing walls. Construction of these components will require the removal of the remnant railroad trestle downstream of the dam.

The proposed design also includes a low-level outlet pipe with the capability to draw down the reservoir in accordance with DSOD requirements. The outlet pipe will consist of an 18-inch diameter pipe with concrete encasement through the spillway wall. The outlet would be regulated by a slide gate attached to the upstream face of the dam with a handwheel operator. A small steel platform would be attached to the top of the dam for maintenance access.

The crest of the existing dam supports a sewer pipeline running parallel to the dam face across Turnback Creek. As part of this project, the sewer pipeline will be partially relocated south of the dam and will span the spillway in a pipeline portal supported by two support bents.

Additional engineered soil fill will be required on the left side of the reservoir along the existing roadway to accommodate residual freeboard.

Construction of the project will require the excavation of excess sediment, debris, and other materials from an approximately 1.57-acre area adjacent to the dam to allow for access to foundations. This material has accumulated throughout the life of the dam and reservoir.

Spoils from the excavation will be disposed of in previously disturbed areas west of the pond totaling 1.43 acres. These disturbed areas were used as staging areas and materials storage sites. The proposed disposal areas are currently unvegetated and consist of bare ground.

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

	Categories	Start Date	End Date
(a)	Project Administration	6/26/2020	12/31/2023
(b)	Land Purchase / Easement	1/1/2004	12/31/2004
(c)	Planning/ Design / Engineering / Environmental Documentation	6/26/2020	12/31/2023
(d)	Construction/ Implementation	5/2/2022	11/23/2023

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: Water Line Improvements on the Tuolumne Rancheria
2. Local Project Sponsor (if different than grantee): Tuolumne Band of Me-Wuk Indians, a federally recognized tribe
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 37.980403

Longitude: -120.239597

4. Please briefly describe the proposed project.

The Tuolumne Rancheria is located in the western foothills of the Sierra Nevada, a remote, heavily forested, high fire hazard area within the wildland-urban interface. This project proposes to upgrade approximately 10,500 ft of existing water main on the Rancheria. The sections of water line proposed to be replaced range from 6" to 2", undersized to provide sufficient flow to tribal homes and fire hydrants. In addition, the current pipes are PVC, were installed in the 1970s, and are thus at the end of their life span. The pipes have aged to the point where breakages or corrosion are a very real threat. Such occurrences could create contamination or outages for an extended period of time, causing the Tribe to incur costly emergency repairs as well as leaving residents and fire suppression efforts unexpectedly without water service.

In 2020, the Tribe upgraded a portion of the main water line running through the Rancheria to an 8-inch line. Several portions of the Rancheria have not yet been upgraded to this size, which means homes along those sections experience low flow, and fire flow to hydrants does not meet minimum standards. The Tribe proposes to upgrade the remaining sections of water main line on the Rancheria to an 8-inch C-900 pipe, ensuring all homes can be adequately serviced with clean drinkable water and all hydrants will operate at or above minimum standards for decades to come. In addition, the Tribe is proposing to extend the 8-inch water line to stub out for additional planned homes on Tribal lands, and installation of fire hydrants along this new water line where currently none exist.

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.

This project seeks to ensure clean, safe, and reliable drinking water to homes on tribal land. The current system has reached its life span and is in need of replacement in order to ensure breakages, contamination, leaching, and similar water emergencies do not occur.

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.
- Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
 - Address immediate impacts on fish and wildlife resources.
 - Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.

7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:

<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

The Project addresses the following objectives from the Tuolumne-Stanislaus IRWM Plan:

- 1) Ensure water consumers have access to a clean and safe water supply within the region.
- 2) Improve water supply infrastructure wherever it is deteriorating or causing water quality and system reliability issues, prioritizing DACs and populated areas.
- 3) Develop sufficient reliable and affordable water supplies and infrastructure to meet regional demands of existing and projected water supply needs, including multi-year drought and climate change.
- 4) Improve water supply efficiency and reliability of man-made conveyance systems.

8. Describe the Primary Benefit of the project.

Quantified benefit:

Units (Drop down):Other If other please enter:

Benefit Type: Water Supply Reliability If other please enter:A breakage or contamination in water lines could cause outages or unsafe water for an undetermined amount of time.

9. Describe the Secondary Benefit of the project:

Quantified benefit: 2600

Units (Drop down):Other If other please enter:gal/min

Benefit Type: Improve operational efficiency If other please enter:Increasing pipe size from 2-inch pipe to 8-inch pipe to allow for fire flow and adequate water supply to homes

10. Please briefly describe how the project will achieve the claimed benefits.

This project will replace aging pipes which could break, corrode, or otherwise introduce outages and/or contamination into the Rancheria's water supply. Replacement of these pipes with new, 8-inch line will not only increase volume and pressure to homes and fire hydrants, but ensure these outages and/or unsafe drinking water conditions do not occur.

11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.

The current drought has impacted all regional reservoirs, which ultimately represent the main water source for the Tribe. Water quality degradation caused by low reservoir levels and warm temperature has been documented. Yearly planned maintenance outages have resulted in even lower flows than normal. The very real threat of wildfire could and would result in water shortages and/or outages for an unforeseen amount of time.

12. How will this project alleviate the impacts described in your answer to Question 11?

Low flows to hydrants and homes from planned and unplanned outages are currently magnified by inadequately sized pipes, replacing these pipes with an 8-inch water main would alleviate this issue. In addition, fire suppression activities would not be interrupted due to breakages in aging pipes when water is needed most --to combat potentially catastrophic fires.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration	10,000	0	10,000
(b)	Land Purchase / Easement	0	0	0
(c)	Planning / Design / Engineering / Environmental Documentation	0	0	0
(d)	Construction / Implementation	2,487,540	0	2,487,540
	TOTAL COSTS	2,497,540	0	2,497,540

14. Please describe why state funding is needed for this project. If state funding is not secured, what will happen to the project?

The Tribe faced significant loss of revenue due to COVID and currently does not have the internal funding to undertake this project. If state funding were not secured, the project is not likely to happen for several years. During that time, breakages or corrosion of existing pipes could represent a real water emergency for the tribal community.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

The Tribe is not proposing any cost share.

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not

complete or permission not secured at the time of application, please describe the plan to complete it.

The Project is located on Tribal trust land, no additional land acquisition or easements are required.

17. Has planning and design for this project been completed? If not, please describe the status of planning and design.

Planning and design has been completed

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

CEQA is not required as the project is on Tribal Trust Lands.

NEPA regulations apply on Tribal Trust Lands. As described above, an Environmental Assessment for developing homes on the Rancheria including infrastructure requirements such as water lines.

Prior to work commencing, the project proponent will confirm with Bureau of Indian Affairs that the 2006 NEPA Environmental Assessment is adequate or that a Categorical Exclusion will be issued for the project due to water lines being a reconstruction project occurring within the existing footprint of current water lines. The 2006 EA found that “with the incorporation of the listed mitigations, no significant impacts to the environment were to occur”.

19. Please briefly describe the necessary construction/implementation for this project.

Installation of the 8-inch water main could begin April 1, or upon award of funding, whichever is later. Replacement work would take approximately 2.5 months, after which the new line would be tied into the existing system. Installation of fire hydrants, air release valves, water services, and a bridge crossing would take an additional 2 months. Finally, AC patching would last one month, with the project completion date estimated to be Sept 20 (given an April 1 start date).

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

	Categories	Start Date	End Date
(a)	Project Administration	1/1/2022	9/20/2022
(b)	Land Purchase / Easement	1/1/1910	1/1/1910
(c)	Planning/ Design / Engineering / Environmental Documentation	1/1/2022	3/30/2022
(d)	Construction/ Implementation	4/1/2022	9/20/2022

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: Pinecrest Permittees Water Storage Tanks Replacement
2. Local Project Sponsor (if different than grantee): Pinecrest Permittees Association
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 38°11'07.5"N

Longitude: 119°59'24.3"W

Second site location. Latitude:38°11'48.8"N Longitude: 119°59'21.3"W

4. Please briefly describe the proposed project.

Pinecrest Permittees Association (PPA) provides drinking water to 363 residential connections, 5 organizational summer camps and 2 commercial short term lodging facilities.

PPA has consolidated water districts with the USFS Summit Ranger District providing stable water drinking water to forest service administration site, 4 day use/recreational restroom facilities and 300 recreational campsites. This consolidation has improved water quality for the USFS by reducing disinfection by-products to safe levels and eliminating potential health risk to recreation users and simplified laboratory reporting to the State Water Resource Control Board Division of drinking water

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.

Yes.

Pinecrest is located inside the Stanislaus National Forest - which is at a high risk of wildfires. PPA will have the ability to provide a stable, high volume of water during wildfire events.

PPA tanks are connected in series at different locations to provide high volume of storage for the community. This is a redundant system to ensure that Pinecrest has reliable water storage and supply for most foreseeable emergencies.

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.
- a. Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
 - b. Address immediate impacts on fish and wildlife resources.
 - c. Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.

7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:

<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

Ensure water consumers have access to a clean and safe water supply within the region.

Improve water supply infrastructure wherever it is deteriorating or causing water quality and system reliability issues, prioritizing DACs and populated areas. (e.g. fireflow, contamination, etc.).

Improve water supply efficiency and reliability of man-made conveyance systems.

Assess, plan, and prepare for natural disaster impacts that affect watersheds and water resources.

8. Describe the Primary Benefit of the project.

Quantified benefit: 2.7

Units (Drop down): Acre feet per year If other please enter:

Benefit Type: Water Supply Reliability If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit:

Units (Drop down): Other If other please enter:

Benefit Type: Water Quality - Surface Water If other please enter: Not measurable, avoids water quality issues

10. Please briefly describe how the project will achieve the claimed benefits.

The Project creates a reliable water storage supply of 2.7 acre feet of treated drinking water

for the community. Reducing the need for emergency standby power generators during electricity outages and PSPS events. With increased wildfire activity, having a stable and reliable water supply during emergency events such as these.

11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.

Increased daily water demand by recreational/transient campground and day use resulting from other area recreation reservoirs inaccessible from lower than normal water levels.

12. How will this project alleviate the impacts described in your answer to Question 11?

Reduce pumping cycles and prevent water leakage onto the ground.

This project will ensure a reliable water supply for basic human needs for residents.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration	10,000		
(b)	Land Purchase / Easement	0		
(c)	Planning / Design / Engineering / Environmental Documentation	10,000		
(d)	Construction / Implementation	407,000		
	TOTAL COSTS	827,000		

14. Please describe why state funding is needed for this project. If state funding is not secured, what will happen to the project?

If project is delayed, tank failure can result from high winter snow loads on the roof structure. Tank failure will result in Boil Water Notifications, limited supply during Public Safety Power Shutoffs "PSPS" events and wildfires.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

PPA has begun planning and budgeting for tank replacements. The available funds for FY

2022 is \$50,000. The available funds can be utilized for unforeseen expenses, demolition and disposal of the existing structure with local area contractors and association employees.

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not complete or permission not secured at the time of application, please describe the plan to complete it.

No

17. Has planning and design for this project been completed? If not, please describe the status of planning and design.

Yes

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

CEQA and NEPA Application are awaiting approval from the USFS

19. Please briefly describe the necessary construction/implementation for this project.

Removal of existing water storage tanks. while preserving the site pad and existing hardware for the erection of a new bolted steel water storage tank.

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

	Categories	Start Date	End Date
(a)	Project Administration	6/8/2022	8/27/2024
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation	6/8/2022	9/6/2022
(d)	Construction/ Implementation	9/7/2022	5/24/2024