



NORTH COAST RESOURCE PARTNERSHIP 2018/19 IRWM Project Application

The North Coast Resource Partnership (NCRP) 2018/19 Project Application Instructions and additional information can be found at the NCRP 2018/19 Project Solicitation webpage (<https://northcoastresourcepartnership.org/proposition-1-irwm-round-1-implementation-funding-solicitation/>). Please fill out grey text boxes and select all the check boxes that apply to the project. Application responses should be clear, brief and succinct.

Project Applications will be accepted until 5:00 pm, ~~March 8, 2019~~ March 15, 2019. It is important to save the application file with a distinct file name that references the project name. When the application is complete, please email to kgledhill@westcoastwatershed.com

If you have questions, need additional information or proposal development assistance please contact:

- Katherine Gledhill at kgledhill@westcoastwatershed.com or 707.795.1235
- Tribal Projects: Sherri Norris, NCRP Tribal Coordinator at sherri@cieaweb.org or 510.848.2043

Project Name: Blue Lake Rancheria Water Storage

A. ORGANIZATION INFORMATION

- 1. Organization Name:** Blue Lake Rancheria
- 2. Contact Name/Title**
Name: Stephen Kullmann
Title: Community Development and Resilience Director
Email: skullmann@bluelakerancheria-nsn.gov
Phone Number (include area code): 707-668-5101
- 3. Organization Address (City, County, State, Zip Code):**
428 Chartin Road, Blue Lake CA 95525
- 4. Organization Type**
☐ Public agency

- ☐ Non-profit organization
- ☐ Public utility
- ☒ Federally recognized Indian Tribe
- ☐ California State Indian Tribe listed on the Native American Heritage Commission's California Tribal Consultation List
- ☐ Mutual water company
- ☐ Other:

5. Authorized Representative (if different from the contact name)

Name: Arla Ramsey

Title: Tribal Administrator/Vice Chair

Email: aramsey@bluelakerancheria-nsn.gov

Phone Number (include area code): 707-668-5101

6. Has the organization implemented similar projects in the past? ☒ yes ☐ no

Briefly describe these previous projects.

Blue Lake Rancheria (BLR) successfully completed an innovative 0.5 MW solar + storage microgrid in 2017, is finalizing a 200kW microgrid, and is in the beginning phases of a BOR-funded Smart Water Grid which will serve the Administrative, Enterprise, and residential customers on the Rancheria.

7. List all projects the organization is submitting to the North Coast Resource Partnership for the 2018/19 Project Solicitation in order of priority.

Submitting one project

8. Organization Information Notes:

B. ELIGIBILITY

1. North Coast Resource Partnership and North Coast IRWM Objectives

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

☒ Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation

☒ Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCIRWMP project implementation

☒ Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

☒ Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing

☐ Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

- ☐ Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity
- ☐ Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

- ☒ Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources
- ☒ Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities
- ☐ Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

- ☒ Objective 11 - Address climate change effects, impacts, vulnerabilities, and strategies for local and regional sectors to improve air and water quality and promote public health
- ☒ Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

- ☐ Objective 13 - Improve flood protection and reduce flood risk in support of public safety

2. Does the project have a minimum 15-year useful life?

- ☒ yes ☐ no

If no, explain how it is consistent with Government Code 16727.

3. Other Eligibility Requirements and Documentation

CALIFORNIA GROUNDWATER MANAGEMENT SUSTAINABILITY COMPLIANCE

- a) Does the project directly affect groundwater levels or quality?
☐ yes ☒ no
- b) If Yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

CASGEM COMPLIANCE

- a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?
☐ yes ☒ no
- b) If Yes, list the groundwater basin and CASGEM priority:
- c) If Yes, please specify the name of the organization that is the designated monitoring entity:
- d) If there is no monitoring entity, please indicate whether the project is wholly located in an economically disadvantaged community.
☒ yes ☐ no

URBAN WATER MANAGEMENT PLAN

- a) Is the organization required to file an Urban Water Management Plan (UWMP)?

- ☐ yes ☒ no
- b) If Yes, list the date the UWMP was approved by DWR:
- c) Is the UWMP in compliance with AB 1420 requirements?
☐ yes ☐ no
- d) Does the urban water supplier meet the water meter requirements of CWC 525?
☐ yes ☐ no
- c) If Yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

AGRICULTURAL WATER MANAGEMENT PLAN

- a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
☐ yes ☒ no
- b) If Yes, list date the AWMP was approved by DWR:
- c) Does the agricultural water supplier(s) meet the requirements in CWC Part 2.55 Division 6?
☐ yes ☐ no

SURFACE WATER DIVERSION REPORTS

- a) Is the organization required to file surface water diversion reports per the requirements in CWC Part 5.1 Division 2?
☐ yes ☒ no
- d) If Yes, will the organization be able to provide SWRCB verification documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☒ no

STORM WATER MANAGEMENT PLAN

- a) Is the project a stormwater and/or dry weather runoff capture project?
☐ yes ☒ no
- b) If yes, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
☐ yes ☐ no
- e) If No, will the organization be able to provide documentation that the project is included in a Stormwater Resource Plan that has been incorporated into the North Coast IRWM Plan, should the project be selected as a Priority Project?
☐ yes ☐ no

C. GENERAL PROJECT INFORMATION

1. Project Name: BLR Water Storage

2. Eligible Project Type under 2018/19 IRWM Grant Solicitation

- ☐ Water reuse and recycling for non-potable reuse and direct and indirect potable reuse
- ☒ Water-use efficiency and water conservation

- ☒ Local and regional surface and underground water storage, including groundwater aquifer cleanup or recharge projects
- ☐ Regional water conveyance facilities that improve integration of separate water systems
- ☒ Watershed protection, restoration, and management projects, including projects that reduce the risk of wildfire or improve water supply reliability
- ☐ Stormwater resource management projects to reduce, manage, treat, or capture rainwater or stormwater
- ☐ Stormwater resource management projects that provide multiple benefits such as water quality, water supply, flood control, or open space
- ☐ Decision support tools that evaluate the benefits and costs of multi-benefit stormwater projects
- ☐ Stormwater resource management projects to implement a stormwater resource plan
- ☐ Conjunctive use of surface and groundwater storage facilities
- ☐ Decision support tools to model regional water management strategies to account for climate change and other changes in regional demand and supply projections
- ☒ Improvement of water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff
- ☐ Regional projects or programs as defined by the IRWM Planning Act (Water Code §10537)
- ☐ Other:

3. Project Abstract

Blue Lake Rancheria (BLR) will install 500,000 gallons of water storage capacity to complete its water distribution system, funded through a 2017 BOR WaterSMART grant and an ARRA-funded groundwater well. BLR is currently vulnerable to any disruption in existing water delivery from HBMWD through the City of Blue Lake. BLR's solar-electric microgrid is able to provide uninterrupted power in the event of a regional emergency; the new water grid will help complete BLR's resiliency goals.

4. Project Description

The Blue Lake Rancheria (BLR) has little control over its water supply. Domestic and Fire water is purchased from the City of Blue Lake, which receives water from the Humboldt Municipal Water District. The City of Blue Lake and all service areas north of the Mad River rely on a single main crossing the river, and BLR is at the end of the line, subject to any interruption in the system. Until recently, BLR was experiencing a major leak in its water system, losing up to 20,000 gal/day that it was being charged for by the City. BLR's wastewater charges were calculated as a percentage of its domestic water service, so it was essentially paying twice for lost water.

BLR has emerged as a leader in resilience initiatives. Its innovative solar microgrid has received international attention and spawned multiple replications, including locally. BLR was recognized as a 2015-6 Climate Action Champion for GHG reductions and community resilience. In 2015 BLR launched a Food Sovereignty Initiative to increase nutrition and food security, as well as providing meals to elders in three counties. Following the Fukushima earthquake/tsunami, BLR certified as a Red Cross Shelter and established its Depts of Emergency Services, Wildland Fire, and Energy & Technologies. A guiding principal in these efforts has been to increase Tribal Sovereignty and Regional Resilience and Emergency Preparedness, and a secure, uninterrupted water supply is essential.

In 2011 BLR leveraged ARRA funding to dig a new 300 + gpm water well. BLR was awarded a \$300,000 2017 BOR WaterSMART grant for a Smart Water Grid (SWG). BLR worked with Humboldt State University for an initial student design project for the system, and is now in the engineering phase of the with GHD Engineering. Water calculations for domestic and Fire needs are 500k gal of storage, for which there is not

sufficient funding in the BOR grant. Furthermore, this funding could be used to meet the required match amount for the BOR Federal funds.

This application requests funding for construction of two bolted steel 250k gal water storage tanks on BLR land. NEPA has been completed for the SWG project including storage tanks. Engineering and construction of the tanks will be put out to bid using BLR's procurement policies. BLR has a track record of completing similar scale projects on time and budget. This project is also scalable, by reducing the construction to a single 250k gal or 100k gal tank, depending on funding available

5. Specific Project Goals/Objectives

Goal 1: Increase Tribal Sovereignty

Goal 1 Objective: greater tribal control over water supply

Goal 1 Objective: reduction of water costs

Goal 1 Objective:

Goal 1 Objective:

Goal 2: Increase Regional Resiliency

Goal 2 Objective: uninterrupted water supply

Goal 2 Objective: redundant water source

Goal 2 Objective: extra water storage

Goal 2 Objective:

Goal 3: Emergency Preparedness

Goal 3 Objective: Drought protection

Goal 3 Objective: Fire Protection

Goal 3 Objective:

Additional Goals & Objectives (List)

6. Describe how the project addresses the North Coast Resource Partnership and North Coast IRWM Plan Goals and Objectives selected.

Goal 1 ,

Objective 1 - Provide BLR greater control over water needs and supply.

Objective 2 – After implementation will work with other regional water management agencies to cooperatively manage water resources and needs, especially in drought and emergency situations

Objective 3 – TEK will be considered in placement and management of water storage tanks

Goal 2

Objective 4 – enhance economic vitality of BLR Tribal Community

Goal 4

Objective 8 – ensures water quality and reliability for BLR Tribal Community

Objective 9 – Improves drinking water quality and infrastructure for BLR Tribal Community

Goal 5

Objective 11 – Improves drought resiliency

Objective 12 – Connection to BLR's solar microgrid will promote energy independence and reduce GHG emissions associated with water system.

7. Describe the need for the project.

Currently, the Blue Lake Rancheria does not have control over its water supply. BLR has successfully completed a groundwater well with production tested at over 300 gpm. BLR also has funding for a Smart Water Grid from a BOR WaterSMART grant. the next component for completion of the project is sufficient water storage. in conjunction with BLR's other resiliency efforts such as its solar electric microgrid, it will be better positioned to respond to emergency situations such as earthquake/tsunami, wildfire, or extended drought. This project will help complete the BOR-funded project.

8. List the impaired water bodies (303d listing) that the project benefits:

9. Will this project mitigate an existing or potential Cease and Desist Order or other regulatory compliance enforcement action? ☐ yes ☒ no

If so, please describe?

10. Describe the population served by this project.

The BlueLake Rancheria, a federally recognized Indian Tribe.

11. Does the project provide direct water-related benefits to a project area comprised of Disadvantaged Communities or Economically Distressed Communities?

- ☐ Entirely
- ☐ Partially
- ☐ No

List the Disadvantaged Community(s) (DAC)

12. Does the project provide direct water-related benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)?

- ☐ Entirely
- ☐ Partially
- ☐ No

List the Severely Disadvantaged Community(s)

13. Does the project provide direct water-related benefits to a Tribe or Tribes?

- ☒ Entirely
- ☐ Partially
- ☐ No

List the Tribal Community(s)

Blue Lake Rancheria

If yes, please provide evidence of support from each Tribe listed as receiving these benefits.

14. If the project provides benefits to a DAC, EDA or Tribe, explain the water-related need of the DAC, EDA or Tribe and how the project will address the described need.

BLR is at the end of the service line for municipal water delivery and is subject to any potential interruption. There is no redundancy built into the system. In order to increase Tribal sovereignty and overall resiliency, water storage on tribal land connected to an independent water system is necessary.

- 15. Does the project address and/or adapt to the effects of climate change? Does the project address the climate change vulnerabilities in the North Coast region?** ☒ yes ☐ no

If yes, please explain.

Additional water storage will allow for BLR to be more resilient in the face of more severe drought cycles or other interruptions to the water supply, and also be prepared in the event of wildfire.

- 16. Describe how the project contributes to regional water self-reliance.**

Water service from Humboldt Bay Municipal Water District to areas north of the Mad River rely on a single main, and BLR is at the end of the service from the City of Blue Lake. In the event of disruption, drinking water could potentially be provided back in to the system through BLR's new system and storage capacity.

- 17. Describe how the project benefits salmonids, other endangered/threatened species and sensitive habitats.**

- 18. Describe local and/or political support for this project.**

The BLR Business Council unanimously passed resolution 19-09 authorizing submission of of this grant.

- 19. List all collaborating partners and agencies and nature of collaboration.**

Bureau of Reclamation has funded a Smart Water Grid through a 2017 WaterSMART grant. This project will be a component of that larger project.

- 20. Is this project part or a phase of a larger project?** ☒ yes ☐ no

Are there similar efforts being made by other groups? ☐ yes ☒ no

If so, please describe?

in 2011, BLR constructed a groundwater well on Tribal land capable of delivering 300+ gpm flow. BLR subsequently was awarded a 2017 BOR WaterSMART grant for the development of a Smart Water Grid including state of the art treatment and SCADA systems, which is currently in the engineering and design phase. This project will complete the project with sufficient storage capacity to meet the need of the BLR Community.

- 21. Describe the kind of notification, outreach and collaboration that has been done with the County(ies) and/or Tribes within the proposed project impact area, including the source and receiving watersheds, if applicable.**

This project was discussed and approved at an open meeting of the Blue Lake Rancheria Business Council.

- 22. Describe how the project provides a benefit that meets at least one of the Statewide Priorities as defined in the 2018 IRWM Grant Program Guidelines and Tribal priorities as defined by the NCRP?**

Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government: By adding additional water storage on Tribal Land, connected to the end of the current water distribution line, regional water management capacity will be improved.

Manage and Prepare for Dry Periods: Additional water storage will help preparation for potentially longer and more severe drought periods.

Expand Water Storage Capacity and Improve Groundwater Management: This is a water storage capacity expansion project.

Provide Safe Water for All Communities: Provides safe drinking water for the BLR Tribal Community, and completes a BOR-funded Smart Water Grid Project ensuring water supply and quality.
Support Tribal Self-Determination and Cultural Resources: Increases BLR's self-determination over water resource and supply
Ensure that there is a Sustainability Aspect to the Project: control over water supply and needs will help BLR manage them in a sustainable fashion.

23. Project Information Notes:

D. PROJECT LOCATION

1. Describe the location of the project

Geographical Information

Blue Lake Rancheria, Humboldt County

2. Site Address (if relevant):

Blue Lake Rancheria, 428 Chartin Road, Blue Lake, CA 95525

3. Does the applicant have legal access rights, easements, or other access capabilities to the property to implement the project?

☒ Yes If yes, please describe

☐ No If No, please provide a clear and concise narrative with a schedule, to obtain necessary access.

☐ NA If NA, please describe why physical access to a property is not needed.

Project is fully on Tribal land

4. Project Location Notes:

E. PROJECT TASKS, BUDGET AND SCHEDULE

1. Projected Project Start Date: 3/1/2020

Anticipated Project End Date: 3/1/22

2. Will CEQA be completed within 6 months of Final Award?

☐ Yes

State Clearinghouse Number:

☐ NA, Project is exempt from CEQA

☐ NA, Not a Project under CEQA

☒ NA, Project benefits entirely to DAC, EDA or Tribe, or is a Tribal local sponsor. [Projects providing a water-related benefit entirely to DACs, EDAs, or Tribes, or projects implemented by Tribes are exempt from this requirement].

☐ No

3. Please complete the CEQA Information Table below

Indicate which CEQA steps are currently complete and for those that are not complete, provide the estimated date for completion.

CEQA STEP	COMPLETE? (y/n)	ESTIMATED DATE TO COMPLETE
Initial Study		
Notice & invitation to consult sent to Tribes per AB52		
Notice of Preparation		
Draft EIR/MND/ND		
Public Review		
Final EIR/MND/ND		
Adoption of Final EIR/MND/ND		
Notice of Determination		
N/A - not a CEQA Project		

If additional explanation or justification of the timeline is needed or why the project does not require CEQA, please describe.

4. Will all permits necessary to begin construction be acquired within 6 months of Final Award?

- ☐ Yes
☒ NA, Project benefits entirely to DAC, EDA, Tribe, or is a Tribal local sponsor
☐ No

5. PERMIT ACQUISITION PLAN

Type of Permit	Permitting Agency	Date Acquired or Anticipated

For permits not acquired: describe actions taken to date and issues that may delay acquisition of permit.

6. Describe the financial need for the project.

7. Is the project budget scalable? ☒ yes ☐ no

Describe how a scaled budget would impact the overall project.

The project is budget for BLR's full capacity needs of 500,000 gallons of storage using two 250k gal tanks. Two scalable options are for a single 250,000 gallon tank or a single 100k gal tank.

8. Describe the basis for the costs used to derive the project budget according to each budget category.

Tank costs were derived from quotes received from National Storage Tank, and engineering and construction estimates were derived from GHD Engineering.

9. Provide a narrative on cost considerations including alternative project costs.

The budget spreadsheet shows three project cost scenarios, including the full project of two 250k g budgeted at \$764,170; and scaled projects of one 250k gal tank at \$433,235 and one 100k gal tank at \$330,385.

10. List the sources of non-state matching funds, amounts and indicate their status.

Although not listed as matching funds since not required as a Tribal Project, BOR WaterSMART \$300,000 grant leveraged for entire water system implementation. Furthermore, if awarded, this funding would be used as match for the WaterSMART funding. A letter of support from our Project Manager at BOR is included with this application.

11. List the sources and amount of state matching funds.

12. Cost Share Waiver Requested (DAC or EDA)? ☒ yes ☐ no

Cost Share Waiver Justification: Describe what percentage of the proposed project area encompasses a DAC/EDA, how the community meets the definition of a DAC/EDA, and the water-related need of the DAC/EDA that the project addresses. In order to receive a cost share waiver, the applicant must demonstrate that the project will provide benefits that address a water-related need of a DAC/EDA. the project sponsor is a federally recognized Indian Tribe, and the project is entirely on tribal lands for the benefit of the tribal community.

13. Major Tasks, Schedule and Budget for NCRP 2018 IRWM Project Solicitation

Please complete MS Excel table available at <https://northcoastresourcepartnership.org/proposition-1-irwm-round-1-implementation-funding-solicitation/>; see instructions for submitting the required excel document with the application materials.

14. Project Tasks, Budget and Schedule Notes:

A project budget and schedule is attached, showing three scaled alternatives. The full project of two 250k gal tanks is budgeted at \$764,170; and scaled projects of one 250k gal tank at \$433,235 and one 100k gal tank at \$330,385. Construction management costs are calculated at 10% of the construction costs, and include real salary/wages for BLR personnel for bid prep and review, contractor coordination, oversight, inspections, and management. Program Administration costs are calculated at 10% of the overall project costs, which is less than BLR's federally negotiated indirect cost rate agreement of 27.7%. Program Administration costs include staff salary wages incurred for grant administration and reporting, fiscal oversight and tracking, scheduling, and community interaction. The project is scheduled for 24 months.

F. PROJECT BENEFITS & JUSTIFICATION

1. Does the proposed project provide physical benefits to multiple IRWM regions or funding area(s)?

☐ yes ☒ no

If Yes, provide a description of the impacts to the various regions.

2. Provide a narrative for project justification. Include any other information that supports the justification for this project, including how the project can achieve the claimed level of benefits. List any studies, plans, designs or engineering reports completed for the project. *Please see the instructions for more information about submitting these documents with the final application.*

Blue Lake Rancheria (BLR), a federally-recognized Indian Tribe, will continue to build on its successful resiliency initiatives by installing sufficient water storage capacity to meet its domestic water needs, fire suppression requirements, and capacity to serve as a designated Red Cross Shelter in the event of a regional emergency. BLR was awarded a 2017 Bureau of Reclamation Water SMART grant to develop a Smart Water grid, utilizing its existing ground water well built in 2011 through ARRA funding and encompassing treatment, distribution, and a SCADA monitoring system. The BOR WaterSMART funding is insufficient, however, to construct enough water storage to meet all of BOR's domestic, fire, and emergency preparedness needs, which have been calculated at 500,000 gallons. BLR is located at the end of the City of Blue Lake's distribution lines, and has suffered from a costly water leak for years. The first phase of BLR's Smart Water Grid will be an independent standby system for backup use while BLR staff can be trained and certified as water operators. Training will be provided through US EPA training available to Tribal water systems. Once fully developed, BLR will also explore cooperative agreements and MOUs so that the system can be made available in the event of a larger water grid disruption, adding regional resiliency and disaster preparedness. BLR is also a designated Red Cross Shelter and has a robust emergency response team. BLR's recent endeavors, such as its 0.5 MW solar electric microgrid, FEMA trainings, and food security initiatives, add to its local and regional value for disaster preparedness. A secure water supply is essential to this goals of Tribal Sovereignty and Regional Resiliency. Furthermore, this project will help leverage existing funding to complete the entire water system project.

The Smart Water Grid project is currently in the engineering/design phase, so the inclusion of additional water storage at this point is timely. The 500,000 gallon storage requirement will be met with two 250,000 gallon flat panel bolted steel tanks, which will be located on tribal property adjacent to the planned treatment facility. Alternative plans for scalability include either the construction of one 250,000 gallon tank or one 100,000 gallon tank. Either of these options would help meet Blue Lake Rancheria's domestic water needs while remaining connected to the City of Blue Lake water system for fire suppression requirements

3. Does the project address a contaminant listed in AB 1249 (nitrate, arsenic, perchlorate, or hexavalent chromium)? ☐ yes ☒ no

If yes, provide a description of how the project helps address the contamination.

4. Does the project provide safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes consistent with AB 685? ☒ yes ☐ no

If Yes, please describe.

5. Does the project employ new or innovative technologies or practices, including decision support tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation? ☐ yes ☒ no

If Yes, please describe.

6. For each of the Potential Benefits that the project claims complete the following table to describe an estimate of the benefits expected to result from the proposed project. [See the NCRP Project Application Instructions, Potential Project Benefits Worksheet and background information to help complete the table. The NCRP Project Application, Attachment B includes additional guidance, source materials and examples from North Coast projects.]

PROJECT BENEFITS TABLE

Potential Benefits Description	Physical Amt of Benefit	Physical Units	Est. Economic Value per year	Economic Units
Water Supply				
Water Quality				
Other Ecosystem Service Benefits				
Other Benefits				

7. Project Justification & Technical Basis Notes:

Major Tasks, Schedule and Budget for North Coast Resource Partnership 2018/19 IRWM Project Solicitation

Project Name: BLR Water Storage
 Organization Name: Blue Lake Rancheria

Task #	Major Tasks	Task Description	Major Deliverables	Current Stage of Completion (%)	IRWM Task Budget	Non-State Match	Total Task Budget	Start Date	Completion Date
A	Category (a): Direct Project Administration								
1	Administration	In cooperation with the County of Humboldt sign a sub-grantee agreement for work to be completed on this project. Develop invoices with support documentation. Provide audited financial statements and other deliverables as required. Develop monthly reports describing work completed, challenges, and strategies for reaching remaining project objectives. Develop Final Report	Invoices, audited financial statements and other deliverables as required. Quarterly and Final Reports	0%	\$69,470.00	\$0.00	\$69,470.00	3/1/20	3/1/22
B	Category (b): Land Purchase/Easement								
1	Not applicable			0%	\$0.00	\$0.00	\$0.00		
C	Category (c): Planning/Design/Engineering/Environmental Documentation								
1	Environmental Documentation: CEQA/NEPA *		Completed CEQA/NEPA	0%	\$20,000.00	\$0.00	\$20,000.00	3/1/20	9/1/20
2	Engineering	Engineering report, Geotechnical Investigation, survey	Engineering report, Geotechnical Investigation, Survey	0%	\$73,000.00	\$0.00	\$73,000.00	3/1/20	9/1/20
D	Category (d): Construction/Implementation								
1	Construction	two 250,000 gallon bolted steel tank	completed construction with as-built drawings	0%	\$450,000.00	\$0.00	\$450,000.00	4/1/21	7/1/21
2		Concrete Pad	completed construction with as-built drawings	0%	\$90,000.00	\$0.00	\$90,000.00	2/1/21	6/1/21
3		water and power connections	completed construction with as-built drawings	0%	\$7,000.00	\$0.00	\$7,000.00	7/1/21	9/1/21
4	Construction Administration	Complete tasks necessary to administer construction contract. Keep daily records of construction activities, inspection, and progress. Conduct project construction photo-monitoring.	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports	0%	\$54,700.00	\$0.00	\$54,700.00	9/1/20	3/1/22
Total North Coast Resource Partnership 2018/19 IRWM Grant Request					\$764,170.00	\$0.00	\$764,170.00		
Is Requested Budget scalable by 25%? If yes, indicate scaled totals; if no delete budget amount provided. One 250,000 gal tank **					\$573,127.50	\$0.00	\$573,127.50		
Is Requested Budget scalable by 50%? If yes, indicate scaled totals; if no delete budget amount provided. One 100,000 gal tank **					\$382,085.00	\$0.00	\$382,085.00		

* CEQA and permitting costs for projects are not an eligible cost for grant reimbursement, unless a project is providing a water-related benefit entirely to DACs, EDAs, or Tribes, or projects implemented by Tribes.

** See attached budget sheets for scalable option details. One 250,000 g. tank total budget amount \$433,235. One 100,000 g. tank total budget amount \$330,385

Detail Budget for North Coast Resource Partnership 2018/19 IRWM Project Solicitation

Project Name: BLR Water Storage
Organization Name: Blue Lake Rancheria

Budget Detail

Row (a) Direct Project Administration Costs					
Project Management Type	Personnel by Discipline	Number of Hours	Hourly Wage	% of Cost (if applicable) *	Total Admin Cost
Labor	Project Manager			7%	\$48,629
Labor	Fiscal Manager			3%	\$20,841
Total					\$69,470
* What is the percentage based on (including total amounts)?		program costs (\$694,7000)			
* How was the percentage of cost determined?		estimate of level of effort required to administer			

Row (b) Land Purchase/Easement

Row (c) Planning/Design/Engineering & Environmental Documentation					
Personnel (Discipline)	Major Task Name	Number of Hours	Hourly Wage	Total Cost	
Contracted Engineering Firm	Engineering report			\$40,000	
(based on estimate of costs)	Geotechnical Investigation			\$25,000	
	Survey			\$8,000	
Total				\$73,000	

Row (d) Construction/Implementation				
Personnel (Discipline)	Work Task and Sub-Task (from Work Task Table)	Number of Hours	% of Cost (if applicable) *	Total Cost
Facilities Director	bid prep and review, contractor coordination, oversight, inspections, and management		5%	\$27,350
Construction Manager	bid prep and review, contractor coordination, oversight, inspections, and management		5%	\$27,350
Total				\$54,700
* What is the percentage based on (including total amounts)?		Construction Costs (\$547,000)		
* How was the percentage of cost determined?		estimate of level of effort required to administer		

Blue Lake Rancheria Water Storage

Full Project			
Two 250 g tank			
	amount	cost/rate	total
Construction			
250k g bolted steel tank	2	\$225,000	\$450,000
concrete pad	2	\$45,000	\$90,000
water and power connections	2	3500	\$7,000
Construction Administration	\$547,000	10%	\$54,700
bid prep and review, contractor coordination, oversight, inspections, and management			
Engineering	1	\$40,000	\$40,000
NEPA/CEQA	1	\$20,000	\$20,000
Geotechnical Investigation	1	\$25,000	\$25,000
Survey	1	\$8,000	\$8,000
Subtotal			\$694,700
Program Admin	694700	10%	\$69,470
Grant administration and reporting, fiscal oversight and tracking, scheduling, and community interaction. This partially covers program manager plus fiscal staff costs. BLR has a federally negotiated Indirect Cost Rate of 27.7%			
Total			\$764,170

Blue Lake Rancheria Water Storage

Scaled	57%		
One 250 g tank			
	amount	cost/rate	total
Construction			
250k g bolted steel tank	1	\$225,000	\$225,000
concrete pad	1	\$45,000	\$45,000
water and power connections	1	\$3,500	\$3,500
Construction Administration	\$273,500	10%	\$27,350
bid prep and review, contractor coordination, oversight, inspections, and management			
Engineering	1	\$40,000	\$40,000
NEPA/CEQA	1	\$20,000	\$20,000
Geotechnical Investigation	1	\$25,000	\$25,000
Survey	1	\$8,000	\$8,000
Subtotal			\$393,850
Program Admin	\$393,850	10%	\$39,385
Grant administration and reporting, fiscal oversight and tracking, scheduling, and community interaction. This partially covers program manager plus fiscal staff costs. BLR has a federally negotiated Indirect Cost Rate of 27.7%			
Total			\$433,235

Blue Lake Rancheria Water Storage

Scaled	43%		
One 100 g tank			
	amount	cost/rate	total
Construction			
100k g bolted steel tank	1	\$150,000	\$150,000
concrete pad	1	\$35,000	\$35,000
water and power connections	1	\$3,500	\$3,500
Construction Administration	\$188,500	10%	\$18,850
bid prep and review, contractor coordination, oversight, inspections, and management			
Engineering	1	\$40,000	\$40,000
NEPA/CEQA	1	\$20,000	\$20,000
Geotechnical Investigation	1	\$25,000	\$25,000
Survey	1	\$8,000	\$8,000
Subtotal			\$300,350
Program Admin	\$300,350	10%	\$30,035
Grant administration and reporting, fiscal oversight and tracking, scheduling, and community interaction. This partially covers program manager plus fiscal staff costs. BLR has a federally negotiated Indirect Cost Rate of 27.7%			
Total			\$330,385

Blue Lake Rancheria Water Storage

Schedule		
Task	Completion Date	Completion Month
Funding Start	3/1/2020	1
CEQA/NEPA	9/1/2020	6
Engineering/Design	9/1/2020	6
Bid Documents Prepared	10/1/2020	7
Construction Contract	11/1/2020	9
Construction Completed	7/1/2021	16
Water System Connections	9/1/2021	18
Final Inspections	12/1/2021	21
Final Reports/Project Closeout	3/1/2022	24



United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, CA 95825-1898

IN REPLY REFER TO:

MP-400
PRJ.28.00

MEMORANDUM

To: California Department of Water Resources

From: Kevin Clancy, Native American Affairs Program Manager, Mid Pacific Region

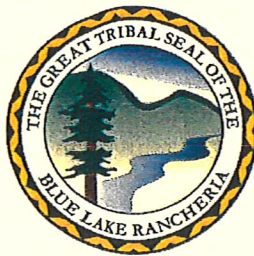
Subject: Letter of Support for Proposition 1 Funding

KC 3/14/2019

The Bureau of Reclamation's (Bureau) Mid Pacific Region has been working with Blue Lake Rancheria (BLR), a federally recognized tribe, on their Development of a Smart Water Grid Project (Project) for the past year.

This Project is a large endeavor being taken on BLR to become water-independent and protect themselves from future water shortages due to the high potential of drought in California. The Project will build resiliency for future periods of drought and ensure BLR has a reliable water supply. In addition to water storage, the Project allows BLR to modernize their infrastructure to enable real-time monitoring of water levels, quality, and detect leaks in the system. This is an important project.

The Bureau has committed \$300,000 to this Project over the past year. However, more funds are required to complete and maximize the benefits of the Project. Your agency's funds will help to ensure this Project is huge a success.



**RESOLUTION
OF THE
BLUE LAKE RANCHERIA, CALIFORNIA
19-09**

SUBJECT: Submission of Proposal to the California Department of Water Resources to obtain a Round 1 Integrated Regional Water Management Implementation Grant

WHEREAS: The Blue Lake Rancheria, California is a federally recognized Indian Tribe as listed in the Federal Register, Vol. 83, No. 20, p. 4236 (Tuesday, January 30, 2018), as "Blue Lake Rancheria, California."

WHEREAS: The Blue Lake Rancheria Constitution has been approved by the Assistant Secretary of the Indian Affairs on March 22, 1989, and revised and approved by the Assistant Secretary of Indian Affairs on February 11, 1994, establishing the duly elected Business Council as the governing body of the Tribe; and

WHEREAS: The governing body of the Blue Lake Rancheria ("Tribe") is the Business Council; and

WHEREAS: The Business Council under the Constitution of the Blue Lake Rancheria has the authority to administer programs designed to meet the needs of American Indians residing on the Blue Lake Rancheria; and

WHEREAS: The Business Council under the Constitution of the Blue Lake Rancheria is responsible for the welfare, health and safety of the members of the Blue Lake Rancheria;

WHEREAS: The Business Council is responsible for managing the water resources, including services for domestic and fire suppression; and

WHEREAS: The Blue Lake Rancheria, as a federally recognized tribe, is eligible to obtain a Round 1 Integrated Regional Water Management Implementation Grant pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Water Code § 79700 et seq.) from the California Department of Water Resources

NOW, THEREFORE, BE IT RESOLVED, that the Business Council of the Blue Lake Rancheria hereby specifically authorizes Claudia Brundin, Tribal Chair, and Arla Ramsey, Tribal Administrator and Vice Chair to work with tribal staff to prepare the necessary data, conduct investigations, file such proposal, and execute a grant agreement with California Department of Water Resources for the: Blue Lake Rancheria Water Storage Project

CERTIFICATION

As the Chairperson of the Blue Lake Rancheria Tribal Business Council for the Blue Lake Rancheria, California, I hereby certify that the Blue Lake Rancheria Tribal Business Council adopted this resolution at a duly called meeting with a quorum present by a vote of 5 for, 0 against, 0 Abstaining, and 0 absent on this 5th day, of March 2019.

Claudia Brundin
Claudia Brundin, Chairperson

3-5-19
Date of Approval

ATTEST: Leslie Albright
Leslie Albright, Tribal Executive Secretary

3-5-19
Date of Approval