NORTH COAST RESOURCE PARTNERSHIP

A. General Project Information

1. Organization / Project Sponsor Name:
   Blue Lake Rancheria (BLR)

2. Project Name:
   Blue Lake Rancheria Smart Water Grid 2.0

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

4. If the project sponsor has worked with NCRP in the past, describe the project and outcome.
   Blue Lake Rancheria (BLR) has successfully installed 250,000 gallons of water storage capacity to complement its water distribution system. BLR is 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 helps advance BLR's resiliency goals especially during an emergency event.

5. Please describe the qualifications, experience, and capacity of the project team that will be overseeing project implementation.
   Randy Cox serves as BLR's lead electrician and water related infrastructure Project Manager. He oversaw Phase 1 of BLR's Smart Water Grid System and water storage facilities. He has over 30 years of experience working with and securing local contractors. Heidi Moore-Guynup serves as BLR's Grants Project Manager. She has 30 years in administrative service and project management of large scale initiatives and projects. Together, they will ensure that the project is managed appropriately.

6. Is this project part of a larger project or program? If so, what effectiveness monitoring is being conducted and what are the results?
   Phase 2 is part of BLR's commitment to offer significant supports and access to water and facilities to it's tribal members as well as to our regional emergency response partners such as the Ca. Highway Patrol (CHP), Cal Fire, Humboldt Co. Sheriff's Dept., Office of Emergency Services (OES), US Coast Guard , PG&E and the American Red Cross in the event of a disaster. Due to its location, facilities, power and water access, BLR provides the ideal staging and triage site to support our partners.

7. Project Abstract [500 characters max.]
   BLR desires to expand it's ability to provide access to stored water and supports for it's Tribal Members along with supporting regional emergency response efforts in the event of a large-scale disaster. BLR's facilities have been deemed ideal due to it's location, air visibility and size to

support local agencies such as the CHP, Cal Fire, OES, Humboldt County Sheriff's Dept., United State's Cost Guard (USCG), Blue Lake School, PG&E, American Red Cross and more.

8. Project Description [3,000 characters max.]

Phase 2 of BLR's Smart Water Grid system is designed to expand BLR's capacity to serve its Tribal Member's, local region and emergency response personnel with access to water during the case of a large-scale emergency disaster such as a seizmic event, tsunami, pandemic, power outage and/or wildfires. Much of the North Coast is situated along several identified fault lines that are subject to significant impacts from a large-scale seizmic event. The BLR is physically located outside of the identified regional Tsunami Zones yet is close to municipalities who are within those zones. Further, BLR has remained just west of several large-scale wildfires that have affected Humboldt County and our neighboring Mendocino and Trinity County's over the past several years. Additionally, our region has experienced negative impacts associated with planned and non-planned power outages affecting tens of thousands of residents, hospitals and more. BLR's micro solar-grid supplies emergency local power access. BLR's goal is to be a hub of support during emergencies to agencies such as the CHPl, OES, USCG, fire departments, the Humboldt County Sheriff's Dept., American Red Cross, Cal Fire and others responsible for providing emergency response efforts. Over the past four years, BLR has supported over 10,000 individuals during an array of emergencies. BLR intends to install a second 250,000g water storage tank and related infrastructure that can supply additional emergency water to buildings across the BLR (Blue Lake Hotel, Sapphire Palace, future Resiliency Campus and Health Clinic.), in addition to it's tribal members. These facilities have been specifically identified as being able to house short-term evacuees, serve as emergency traige centers as well as house local emergency response providers and related services such as staging areas, dispatch services, vacination clinics, food prep, helicopter landing pad, triage and more. BLR's exisitng water tank is unable to support all current and future planned facilities across the campus due to limited capacity. BLR desires to improve the capacity of an existing well to be able to supply water to a second tank to ensure that BLR has access to a consistent water source during an emergency. In the future, BLR desires to provide potable water to all BLR tribal members as well as to the region during an emergency event. BLR is currently situated on approximately 100 acres.

9. Specific Project Goals/Objectives

Goal 1: Beneficial Uses of Water [100 characters max.]
Goal 1 Objective: Ensure water reliability and quality for BLR Tribal and regional Emergency Response uses, while minimizing impacts to sensitive resources. [200 characters max.]
Goal 1 Objective: Ensuring that BLR has the appropriate infrastructure in place to support water reliability.
Goal 1 Objective:
Goal 1 Objective:

Goal 2: Climate Adaptations and Energy Independence
Goal 2 Objective: Address climate change effects, impacts, vulnerabilities including droughts, fire, floods, and sea level rise
Goal 2 Objective: Develop opportunities for BLR and regional Emergency Response providers to be able to offer sanitary facilities and supports, such as access to water and power during a large scale emerggency event.
Goal 2 Objective:
Goal 2 Objective:

Goal 3: Public Safety
Goal 3 Objective: Improve regional resiliency to reduce the public safety impacts associated with wildfires and other large scale emergencies.
Goal 3 Objective: Provide facilities access to support critical public safety infrastructure and emergency response.
Goal 3 Objective:
Goal 3 Objective:

Additional Goals & Objectives (List)
Goal 4: Habitat Protection
Goal 4 Objective: Reduce/eliminate the need for water to be taken from the Mad River 303(d), in the event of a large-scale emergency event.

10. Describe how the project addresses the NCRP Goals and Objectives selected. [1,000 characters max.]

BLR's Phase 2 emergency water storage expansion, supports access to beneficial uses of water, addresses elements of climate adaptations and BLR's desire to continue on it's path of energy independence (solar micro-grid system) while supporting comprehensive public safety efforts associated with large-scale emergency response. The second water storage tank will be situated on the other side of the property as the existing tank. Combined, both tanks, with running fiber conduit and fiber optic from BLR's existing Fire Hall building to the Booster Pump building and from the Tribal Justice Center to the Arra well along with the needed conduit and wiring for acces Data and Control, will support water distribution to various additional parts of the BLR property. BLR is situated along the Mad River and believes water storage and the ability to pump across the facility will lesson the likelihood that water would need to be pumped out of the Mad River in the event of a large-scale emergency .

11. Describe the physical, biological and/or community need for the project. [1,000 characters max.]

BLR is committed to serving and caring for all of it's tribal members. In that BLR is situated in an area that is designated as Significantly Disadvantaged, most members do not have access to individual generators, running water or power without the support of BLR in the event of a power outage or emergency. Further, BLR regards itself as a progressive regional partner in the

areas of Climate Action and support for regional emergency response due to the relationships it's top Tribal Leaders have forged with regional public safety, health and education related agencies and due to the location, size and flexibilities of it's existing and planned facilities.

12. **Describe the financial need for the project**. [1,000 characters max.]

BLR intends to install a second 250,000g water tank as well as develop the needed infrastructural support to ensure that water can reliably be sent to various locations across the property. This includes installing a foundation as well as connecting the existing water tank and the second ank via conduit and fiber optic to various parts of the campus including but not limited to: installation of flow and pressure switches, conduit, fiber optic and necessary pumps and piping to ensure water access to exisiting and future planned buildings that can be utilized in the case of a large-scale emergency event. Further, BLR desires to retrofit an exisiting well to support additional water supply . Currently, BLR does not have the fiscal resources to advance this project without external funding. BLR is designated as Significantly Disadvantaged.

13. **Describe potential adverse impacts from project implementation and how they will be mitigated.**

BLR feels there is little risk for potential adverse impacts from project implementation. The most significant adverse impact would be centered on a large-scale leak or emptying of the water tanks, thus reducing or eliminating the availabilty of emergency water to Tribal Members and emergency response providers. Improving an existing well will help ensure that there is consitent water flow to the tanks as water is being utilized. Flow and pressure switches and monitoring will reduce such risk.

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

If yes, please describe. [500 characters max.]

15. **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. [500 characters max.]

N/A

16. **Describe how the project contributes to regional water self-reliance and addresses climate change.** [1,000 characters max.]

This project contributes to regional water self-reliance by expanding it's ability to offer Tribal Members and local emergency response teams with water access during emergency events. BLR is situatedon the east side of the North Coast and offers better air visibility than the USCG station, is situated on approx. 100 flat acres and is home to several current and planned large-

scale facilities that can serve as emergency response sites when needed. BLR is situated north east of one of California's largest fault lines however, experiences far fewer seizmic events than our neighbors to the south and west. BLR is also out of the tsunami zone making it an ideal location to offer regional emergency response services. Further, BLR has a large solar micro-grid that provides BLR Tribal Members and emergency response providers with access to power in the event of power outages such as those associated with wildfires. This project is part of BLR's ongoing commitment to addressing Climate Change.

17. **Does the project increase public safety with regards to flood protection, wildfire hazard risk reduction, increasing firefighting capacity, or in other ways contribute to regional emergency resiliency?**
☒ yes ☐ no
Please explain. [500 characters max.]
Phase 2 of BLR's emergency water supply project will help to ensure that all existing buildings and planned buildings across BLR, that have been deemed as suitable emergency response locations, will have the availabilty of and access to emergency water and solar power in the event of a large scale regional disaster. Such buildings include, but are not limited to: The Sapphire Palace, The Tribal Justice Center, the Blue Lake Hotel, the future Hula Health Clinic, Toma Resiliency campus and more.

18. **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. [500 characters max.]
The emergency water that is stored in the water tank and distributed across the BLR property is supported through a BOR WaterSMART grid and an ARRA funded groundwater well. Power to run the WaterSmart grid is provided by BLR's solar micro-grid.

19. **Describe the population served by this project, including any economically disadvantaged communities or Tribes that will directly benefit.**
Tribal members of the Blue Lake Rancheria will directly benefit by having availability to water during an emergency. BLR is designated as a Severely Disadvantaged Community. Further, in the case of a large-scale emergency, BLR will be available for local emergency response providers to support regional community members with access to services such as medical triage, temporary evacuation, dispatch centers and more.

20. **Describe local and/or political support for this project.** [500 characters max.]
The BLR Tribal Council continues to affirm it's support of increasing water supply and being a community resource in the event of a large scale emergency. BLR has experience providing such supports during unplanned power outages and COVID-19. BLR has support from the

CHP, Humboldt County Sheriff's Dept., USCG, OES, Cal Fire, Blue Lake School District, American Red Cross, College of the Redwoods, and Cal Poly Humboldt and more.

21. List all collaborating partners and agencies and nature of collaboration. [750 characters max.]

The USCG, CHP and Cal Fire have access to BLR's fields to land emergency helicopters when the weather at their main stations, prohibits them from doing so. The Humboldt County Sheriffs Dept., Cal Fire and the CHP have toured BLR facilities and determined that they could serve as emergency dispatch centers that otherwise may be located near a seismic event or within a tsunami zone. The American Red Cross and the OES have also designated BLR as an ideal emergency response location and have used BLR facilities to support pandemic and wildfire respnses. Further, students and staff of Blue Lake Elementary School could benefit during a disaster. College of the Redwoods and Cal Poly Humboldt support BLR's resiliency goals and this project.

22. 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 yes to either, please describe. [500 characters max.]

This project is Phase 2 of BLR's desire to become self-reliant as well as to offer regional supports during an emergency event. BLR has installed an innovative solar microgrid that is capable of providing large-scale power in the event of a power outage, a 250,000 gallon water storage tank and infastructure to provide limited water availability to BLR tribal members and others, and desires to be able to diversify the availability of it's buidlings to support partnered emergency response.

B. Project Location

1. Describe the latitude and longitude of the project site.
Latitude: 40.884155 N Longitude: 123.99724 E

2. Site Address (if relevant):
428 Chartin Road. Blue Lake, California 95525-9722

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 below
☐ no	If no, please provide a concise narrative below with a schedule, to obtain necessary access
☐ NA	If NA, please describe below why physical access to a property is not needed

Explanation. [500 characters max.]

The BLR is Trust Land and has all legal access right and easements across it's 100 acre parcel. Additional roads are being built by BLR to support the implementation of Phase 2 of their emergency water storage goals.

4. **Project Location Notes:**

BLR's acerage is adjascent to portions of the Mad River 303(d). In total, the Mad River flows for 113 miles draining a 497-square-mile watershed into the Pacific Ocean. The river provides important habitat to fish and wldlife including coho and chinook salmon and steelhead which were federally-listed as threatened in 1997, 1999, and 2000.There are other threatened species as well. BLR continues to be a good steward for the Mad River and is concerned, in the case of a large-scale event that threatens water-supply, emergency response providers might otherwise have to pull water from the Mad River. One of BLR's goals is to reduce and/or eliminate the need for this disruption to the river. Further, much of BLR is on flat-land and outside of an impacted fog line that makes it difficult for air crews to land at the exisiting airport and USCG and Cal Fire stations. Due to it's flat terrain, it could also be used for ariel fire-fighting and surveillance efforts.

C. Benefits To Disadvantaged Communities and/or Tribes

1. **Does the project provide direct water-related benefits to a project area comprised of Disadvantaged Communities or Economically Distressed Communities?** If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.

   ☒ Entirely
   ☐ Partially; estimate the percentage of benefits provided directly to DAC: 25%
   ☐ No

   List the Disadvantaged Community(s)

   BLR is situated amongst a larger region, as viewed on the NCRP Interactive Map, that is identified as a DAC. This project will ensure that all BLR Tribal Members and local residents within the immediate area, will have access to reliable water supply in the event of an emergency and will limit and/or eliminate the need for emergency personnel to disrupt the Mad River.

2. **Does the project provide direct water-related benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)**? If partially, please estimate percentage of project that benefits disadvantaged communities and list the SDACs.

   ☒ Entirely
   ☐ Partially; estimate percentage of benefits provided directly to SDAC:
   ☐ No

List the Severely Disadvantaged Community(s)

Due to its tribal status, the Blue Lake Rancheria and it's tribal members have a formal designation as being a Severely Disadvantaged Community. BLR Tribal members will have access to reliable water in the event of a regional emergency and will reduce and/or eliminate the need for emergency responders to disrupt the Mad River 303(d) which is a vital part of the BLR ecosystem and way of life.

3. Does the project provide direct water-related benefits to a Tribe or Tribes? If partially, please estimate percentage of project that benefits Tribe(s) and list the Tribes.

☒ Entirely
☐ Partially; estimate percentage of benefits provided directly to Tribe(s):
☐ No

List the Tribal Community(s)

Due to its tribal status, BLR and it's tribal members have a formal designation as being a Severely Disadvantaged Community. BLR Tribal members will have access to reliable water in the event of a regional emergency and will reduce and/or eliminate the need for emergency responders to disrupt the Mad River 303(d) which is a vital part of the BLR ecosystem and way of life.

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

4. 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. [750 characters max.]

BLR's desire is to become self-reliant so as to ensure it's Tribal Members have reliable access to power and water in the event of a regional emergency. Additionally, BLR desires to serve as a community steward be being able to offer regional supports during an emergency event. BLR has installed an innovative solar microgrid that is capable of providing large-scale power in the event of a power outage, as well as a 250,000g water storage tank and related infastructure to provide limited water avaiability to BLR tribal members and others. Further, Phase 2 of BLR's water resilience efforts will allow for broader emergency response efforts that not only benefit Tribal Members but also of the larger region that is designated a a DAC.

5. Describe the kind of notification, outreach and collaboration that has been completed with the county(ies) and/or Tribes within the proposed project impact area, including the source and receiving watersheds, if applicable. [500 characters max.]

BLR collaborates with Billy Honsal-Humboldt County Sheriff, DeAnn Woldvogal, Supt. Blue Lake Elementary, Keith Flamer-President, College of the Redwoods, David Narum- Asst. Initiatives Dir., Cal Poly Humboldt and numerous representatives from the USCG, American Red Cross, OES, local fire departments and more. BLR has already provided many emergency response related supports in the form of regional COVID-19 testing, meal distribution, access to solar micro-grid power and more.

D. Project Benefits & Justification

1. 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. Provide quantitative benefit amounts for at least the primary and secondary benefits. Provide a qualitative narrative description of expected benefits that cannot be quantified. *See the NCRP Project Application Instructions for more information and a listing of potential benefits.*

PROJECT BENEFITS TABLE

Benefit Description	Units	Quantitative Amount	Qualitative Description
Water Supply			
Enhanced firefighting capabilities (homes)	50	$12,500,000.	50 homes rebuilt
Enhanced firefighting capabilities (lives)	200	N/A	possible lives saved
Increased water supply reliability	100 acres	N/A	water for 100 acres
Water Quality			
Honoring Tribal Priorities	100 acres	N/A	Preserve tribal land
Social Health and Safety	N/A	N/A	Emergency Response
Climate Change			
Support in wildfire suppression efforts	unlimited	unlimited	Fire response
Solar micro-grid can supply power to water supply tanks so they remain operational during a power outage	unlimited	unlimited	Power and water

Benefit Description	Units	Quantitative Amount	Qualitative Description
Other Ecosystem Service Benefits			
Mad River protected	N/A	N/A	Mad River protected
Jobs Created or Maintained			
Project Manager	.25 FTE	$25,000 7 months	Project Oversight
Electrician/Asst. Manager	.15 FTE	$15,000 7 months	Project Oversight
Water Operator/Quality Control	1.0FTE	$65,000	Post Project
Other Benefits			
Improved water supply reliability	50 households	N/A	50 households

2. **Does the proposed project provide physical benefits <u>outside</u> of the North Coast Region?**

☒ yes ☒ no

If yes, describe the impacts to areas outside the North Coast Region. [500 characters max.]

The primary intent is to support th NC region however, BLR hopes to be a model response site that others could duplicate. Additionally, counties to the South (Mendocino) and the East (Trinity) of BLR, may also benefit from access to emergency supports such as water and emergency personnel and services that would be temporarily located at BLR in the event of a large emergency. Over the past four years, BLR has supported over 10,000 individuals during regional emergencies.

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

The Mad River is listed on the Clean Water Act Section 303(d) list due to impairments to water quality by sediment/turbidity and high water temperatures. Should BLR aquire funds to install an additional water storage tank and supports for the infrastructure to reliably be eblt to run that water to multipe sites across the BLR property, the impact to the Mad River to serve as additional emergency water access will be considerably reduced in the case of a large-scale emergency.

4. Describe how the project benefits salmonids, endangered/threatened species and sensitive habitats.

   The need to pump water out of the Mad River 303(d) to support regional emergency response efforts will be delayed or eliminated by having ample stored water. Currently, the Mad River provides important habitat to fish and wildlife such as Coho and Chinook Salmon (federally listed as threatened in 1997-1999-2000), Longfin Smelt and Eulachon. Phase 2 of BLR's sustainable water supply goals will help reduce the need to disrupt access water directly out of the Mad River during a large-scale emergency.

5. Have alternative methods been considered to achieve the same types and amounts of physical benefits as the proposed project?

   ☒ yes ☐ no

   Please explain. [500 characters max.]

   Should BLR be required to fund this project proposal without NCRP, it would have to be done over a ten-year period due to insufficient funds. BLR is able to avail staff to support the monitoring of the water systems and some of the appropriate installations, especially related to electrical with in-house personnel. If BLR was unable to utilize the more affordable in-house staff for approvable work, the cost of prevailing wage would be unattainable.

6. Is the proposed project the lowest cost alternative to achieve the physical benefits?

   ☒ yes ☐ no

   Please explain. [500 characters max.]

   In that some of the project implementation will be able to utilize BLR staff for portions of this project implementation, the grantee will not have to seek all work out-of-house, thus saving on the difference between BLR costs and the costs associated with prevailing wage for allowable services. Also, BLR desires to improve an existing well rather than installing a new one as a means of saving fiscal resources.

7. How will the project be monitored to determine whether it is producing the desired benefits?

   BLR's Grants Manager will work with BLR's electrician to ensure that the project is progressing as proposed and within the scope of the budget. Once the installation of the necessary infrastructure is completed, new and existing BLR staff will be responsible for daily oversight of it's operational functioning such as monitoring pressure, flow, pump capacity and more.

8. Provide a narrative for project technical justification. Include any other information that supports the justification for this project, including how the project can achieve the claimed level of benefits listed below. [3,000 characters max.]

   To date, BLR has supported over 10,000 North Coast residents with access to services such as COVID-19 vacinations, meals, power, temporary housing, triage and more during the recent

COVID-19 pandemic as well as regional wildfires, power-outages and more. Further, BLR offered free tutoring supports for local children to assist them to access on-line educational services. BLR is partners with both College of the Redwoods and Cal Poly Humboldt on several sustainability and resiliency related projects including but not limited to: BLR's solar micro-grid, workforce development, the Toma Resilience Campus and the Hula Health Clinic. Additionally, BLR employs several students from both institutions to support in their environmental and educational divisions. BLR and both institutions of Higher Education are interested in forging new collaborations in the area of research centered on elements such as off-shore wind, climate action, river restoration, fisheries, solar technologies, emergency response and more.

9. List and include any studies, plans, designs or engineering reports completed for the project as a "Technical & Reference Supporting Materials" into one document that includes a Table of Contents and is limited to approximately 50 pages. *Please see the instructions for more information about submitting these documents with the final application.*

10. Project Justification & Technical Basis Notes: Please provide any additional information *not included above* that you think is important.

BLR has been federally recognized as a 2017 recipient of the John D. Solomon Outstanding FEMA ICP Whole Community Preparedness Award as well as by the Environmental Protection Agency in 2019 for Green Energy Leadership. BLR has an outstanding track record of advancing innovative and socially responsible initiatives.

E. Project Tasks, Budget, And Schedule

1. Projected Project Start Date: 3/1/23
   Anticipated Project End Date: 10/1/23

2. Describe the basis for the costs used to derive the project budget in each budget category. [500 characters max.]
   250,000g Water Storage Tank/Installation-$296,000
   Storage Tank Foundation $75,000
   Upgrade Exisitng BLR Well-$32,000
   In-Well 50 gpm Pump and Controls Installed-$27,000
   Supply and Install 1,600 ft of 4" CL 900 Plastic Underground Water Pipe-$100,000
   Upgrade existing Pump House and Slab-$5,000
   Project Oversight and Management-$40,000
   Total Projected Cost: $575,000
   Phase 2 Project Timeline: 3/23-10/23

3. **Provide a narrative on cost considerations including alternative project costs.** [500 characters max.]

BLR staff has researched industry standard costs associated with this project implemention. Unfortunately, due to our rural nature and supply chain issues, costs of most goods and services have increased by 30% over recent years. To reduce costs, BLR intends to upgrade an existing Pump House and refurbish as well versus drilling a new ont to reduce cost. BLR could install a smaller 150,000g storage tank that would cost $262,000 which is only a savings of $34,000 for a 250,000g water tank.

4. **List the sources of non-state matching funds, amounts and indicate their status**. Proposition 1 requires a minimum cost share of 50% of the total project costs, though a waiver may apply (see Question 6 below).
   N/A

5. **List the sources and amount of State matching funds.**
   N/A

6. **Cost Share Waiver Requested (DAC or EDA)?** ☒ yes ☐ no
   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 ***directly*** provide benefits that address a water-related need of a DAC/EDA.
   100%

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

8. **Describe how a scaled budget would impact the overall project,** its expected benefits and state the minimum budget amount that would be viable (see Instructions E.7 for scaled budget examples). [500 characters max.]

Scaling down would be hard due to increased regional costs of goods and services. It is possible, that during the bid process, the actual costs could come in less than BLR's projected costs however, that is unlikely. If necessary, such as with our original NCRP proposal, aspects of Phase 2 could be placed on the backburner until future funding sources become available however, doing so would limit the support BLR would be able to provide its Tribal Members and the NC region during an emergency.

9. **Major Tasks, Schedule and Budget for Project Solicitation**
   Please complete MS Excel table available at https://northcoastresourcepartnership.org/ncrp-proposition-1-irwm-round-2-solicitation/see instructions for the information to be included

in this document and for how to submit the required excel document with the application materials.

10. Project Tasks, Budget and Schedule Notes:

Project Oversight and Management-$40,000-Begin 3/23
Storage Tank Foundation $75,000-Begin 3/23
Upgrade existing Pump House and Slab-$5,000-Begin 3/23
250,000g Water Storage Tank/Installation-$296,000- Begin 5/23
Upgrade Exisitng BLR Well-$32,000-Begin 3/23
In-Well 50 gpm Pump and Controls Installed-$27,000 Begin 6/23
Supply and Install 1,600 ft of 4" CL 900 Plastic Underground Water Pipe-$100,000 Begin 6/23
Overall Project Completion Date- 10/23

11. Project Information Notes. Please provide any information that that has not been specifically requested that you feel is important for the NCRP to know about your project.

BLR Project Management staff has extensive knowledge in managing large-scale environmental related initiatives and is adept in contract bidding and selection processes. Additional BLR staff will support in routine budget monitoring to ensure that the project is fulfilling the scope of the agreement with NCRP. Further, BLR is committed to being a model entity for other municipalities and/or Tribes outside of the North Coast who are also interested in large-scale water storage and access to emergency services supports. BLR is highly regarded by many public safety entities, local schools and colleges and is known as an environmental and climate leader. These skills are transferable to this proposed project.

Project Name: Smart Water Project 2.0
Organization Name: Blue Lake Rancheria

Task #	Major Tasks	Task Description	Major Deliverables	IRWM Task Budget	Non-State Match	Other Match	Total Task Budget	25% Scaled IRWM Budget	50% Scaled IRWM Budget	Current Stage of Completion (%)	Start Date	Completion Date
A	**Category (a): Direct Project Administration**											
1	Project Management/Monitoring/Reporting	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. Provide general Project Management support. 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	$40,000.00	$0.00	$0.00	$40,000.00	$30,000.00	$0.00	0%	3/1/23	10/31/23
B	**Category (b): Land Purchase/Easement**											
1	Not Applicable			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		
C	**Category (c): Planning/Design/Engineering/Environmental Documentation**											
1	Final Design /Plans	Contractor		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
2	Project Performance Monitoring Plan	Develop Monitoring Plan to include goals and measurable objectives	Final Monitoring Plan	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		
2	Environmental Documentation: Approve Tribal Environmental Assessment	Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation.	Approve Tribal environmental assessment	$10,000.00	$0.00	$0.00	$10,000.00	$7,500.00	$0.00	0%	2/1/23	3/1/23
D	**Category (d): Construction/Implementation**											
1	Contract Services	BLR Project Managers will oversee Bid process and project oversight as described in A-1	Bid Documents; Proof of Advertisement; Award of Contract; Notice to Proceed	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		
2	Construction Administration	Contractor	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports.	$10,000.00			$10,000.00	$7,500.00	$0.00	0%	3/1/23	10/31/23
3	Mobilization and Site Preparation	BLR Staff	Prepare site for installations	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%	2/20/23	3/20/23
4	Project Construction/Implementation: Concrete Water Tank Pad	Contractor		$75,000.00	$0.00	$0.00	$75,000.00	$56,250.00	$0.00	0%	3/20/23	4/20/23
5	Project Construction/Implementation: Water Tank and Installation	Contractor		$296,000.00	$0.00	$0.00	$296,000.00	$0.00	$0.00	0%	4/20/23	5/20/23
6	Project Construction/Implementation: Well Improvements	Contractor		$32,000.00	$0.00	$0.00	$32,000.00	$24,000.00	$0.00	0%	3/1/23	7/20/23
7	Project Construction/Implementation: Pipe and Pipe Installation	Contractor		$100,000.00	$0.00	$0.00	$100,000.00	$0.00	$0.00	0%	5/20/23	10/1/23
8	Project Construction/Implementation: Improve current Pump House	Contractor		$5,000.00	$0.00	$0.00	$5,000.00	$3,750.00	$0.00	0%	5/20/23	10/1/23
9	Project Construction/Implementation: Supply and Install above ground Ductile Iron Piping for Tank	Contractor		$25,000.00	$0,00	$0,00	$25,000.00	$18,750.00	$0.00	0%	5/20/23	10/1/23
10	Project Construction/Implementation: Water Pump and Installation	Contractor		$27,000.00	$0.00	$0.00	$27,000.00	$20,250.00	$0.00	0%	3/1/23	10/1/23
11	Project Close Out, Inspection & Demobilization	Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.	As-Built and Record Drawings; Project completion site photos	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		
12	Project Performance Monitoring	The performance of the project will be monitored in accordance to the Monitoring Plan using the following measurement tools and methods:		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		
	Total North Coast Resource Partnership IRWM Grant Request			**$570,000.00**	**$0.00**	**$0.00**	**$570,000.00**	**$130,500.00**	**$0.00**			
	Percentage of Total Project Cost			**100%**	**0%**	**0%**	**100%**	**23%**	**0%**			

BUDGET DETAIL

Row (a) Direct Project Administration Costs					
Project Management Type	**Personnel by Discipline**	**Number of Hours**	**Hourly Wage**	**% of Cost ***	**Total Admin Cost**
Labor	Project Oversight/Bids	521	$48		$25,008
Labor	Asst. Project Oversight/Bids	312	$48		$15,000
Materials					
Equipment					
Total		**833**	**$96**		**$40,008**
*** What is the percentage based on (including total amounts)?**		**n/a**			
*** How was the percentage of cost determined?**		**n/a**			

Row (b) Land Purchase/Easement
N/A

Row (c) Planning/Design/Engineering & Environmental Documentation					
Personnel (Discipline)	**Major Task Name**	**Number of Hours**	**Hourly Wage**	**Total Cost**	
Labor	Environmental Contractor	66.5	$150	$9,975	
Total		**66.5**	**$150**	**$9,975**	

Row (d) Construction/Implementation				
Personnel (Discipline)	**Work Task and Sub-Task (from Work Task Table)**	**Number of Hours**	**Hourly Wage**	**Total Cost**
Contractor Administration	Contractor Lead/Construction Mgt. Logs; Completed Administrative Tasks documentd in monthly progress logs	66.5	$150	$9,975
Materials and Equipment	**Work Task and Sub-Task (from Work Task Table)**	**Number of Units**	**Unit Cost**	
250,000g Water Tank and installation		1	$296,000	$296,000
Conrete slab for 250,000g water tank		1	$75,000	$75,000
Supply and install 1,600' of 4" CL 900 Plastic Pipe Underground		1	$100,000	$100,000
Improve existing Pump House		1	$5,000	$5,000
Supply and install above ground Ductile Iron piping for water tank		1	$25,000	$25,000
Refurbish exisiting water well		1	$32,000	$32,000
Well pump and controls installed 50 gpm		1	$27,000	$27,000
Total				**$560,000**

NORTH COAST RESOURCE PARTNERSHIP

ORGANIZATION INFORMATION

1. **Project Name:**
   Blue Lake Rancheria Smart Water Grid 2.0

2. **Applicant Organization Name:**
   Blue Lake Rancheria (BLR)

3. **Contact Name/Title**
   Name: Heidi Moore-Guynup
   Title: Grants and Project Manager/Governmental Affairs Director
   Email:
   Phone Number (include area code): 707-668-5101x3301

4. **Organization Address (City, County, State, Zip Code):**
   428 Chartin Road, Blue Lake, California, 95525-9722

5. **Organization Type**
   ☐ Public agency
   ☐ 501(c)(3) 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:

6. **Authorized Representative** (if different from the contact's name)
   Name: Jason Ramos
   Title: Tribal Administrator/Tribal Council Member
   Email: jramos@tgc.bluelakerancheria-nsn.gov
   Phone Number (include area code): 707-668-5101x3301

7. **List all projects the organization is submitting to the NCRP for this Solicitation in order of priority.**
   Blue Lake Rancheria Smart Water Grid 2.0
   -Purchase and Installation of 250,000g water tank
   -Intallation of Concrete Slab
   -Improve/Refurbish existing well
   -Purchase and install 50 gpm pump
   -Purchase and installation of 1600 ft. water pipe

-Purchase and install above ground Ductile Iron piping for water tank
-Refurbish existing pump house

8. Organization Information Notes:

Mission: The Blue Lake Rancheria Tribe strives each day
to secure a better future for its people;
to protect its sovereignty and cultural heritage;
to respect, learn from, and correct injustices of the past; and
to define an economic and diplomatic framework with its neighbors
for mutually beneficial relationships.

About:

The Blue Lake Rancheria is a federally recognized Native American tribe in northwestern California, near the cities of Eureka and Arcata, five miles inland from the Pacific Coast, along California Highway 299.

Within the aboriginal territory of the Wiyot people, the Blue Lake Rancheria was founded in 1908 as a 'refuge for homeless Indians.' The Tribe was terminated in 1958, and then reinstated to federal recognition status in 1983. Since then, the Tribe has made a concerted effort to rebuild.

Today, the Tribe has 100 acres of land in trust and thriving economic enterprises that support hundreds of local jobs, government operations and programs, economic diversification, resilience and sustainability efforts, environmental protection, and a wide array of social services.

Structure:

Blue Lake Rancheria's tribal government was formed under the Indian Reorganization Act, 25 U.S.C. 476. Upon restoration of its status as a federally recognized tribe in 1983, Blue Lake Rancheria was reorganized under a constitution dated Feb 2, 1989. An amended Constitution was adapted by the membership by Tribal Election in 1994. All Blue Lake Rancheria Tribal Member residents age eighteen (18) years and older comprise the General Council and are eligible to vote in Tribal Elections. The majority vote carries each decision. The General Council elects the five-member Tribal Business Council through general elections for two (2) year terms. The Tribal Business Council is the governing body of the Tribe and has the power to enact laws for the welfare, health and safety of the members of the Blue Lake Rancheria. The Tribal Administrator works at the direction of the General Council, Tribal Business Council of the Blue Lake Rancheria and oversees the tribal government staff. The Blue Lake Rancheria administration departments include the Tribal Court, Tribal Police, Office of Emergency Services (OES), Structure and Wildland Fire, Environmental Protection, Historic Preservation, Information & Technology, Energy and Technologies, Housing, Elder Programs and Transportation.

Technical, Legal and Financial Capacity:

The Blue Lake Rancheria Tribal Government Office has a full time staff of 80 and a part time staff that vary between two and four. Twenty-five federally funded programs are currently managed through the Tribal Government Office. A Management Manual is in place that is in

compliance with all federal labor regulations and sets policies and procedures to manage grant funding.

Jason Ramos serves as the Blue Lake Rancheria's Tribal Administrator, CEO Tribal Business Enterprises and Councilmember. Mr. Ramos is authorized to execute legal agreements on behalf of the Tribe. Mr. Ramos has extensive training in federal grants management and has successfully written grants. Mr. Ramos consitently supports training for the Government Staff and himself to keep his knowledge and staff's knowledge current of governmental guidelines and regulations regarding grant administration and management. Mr. Ramos has led several projects and efforts that have earned the Blue Lake Rancheria several significant Climate Champion Recognitions including but not limited to: Distribu TECH and Power Grid International "Renewable Energy Project of the Year" (2018), FEMA "John D. Solomon Whole Community Preparedness Ward" (2017), First Runner Up- Renewable Energy Wold/Power Engineering "Renewable Energy Project (2017), and the White House and US Dept. of Energy "Climate Action Champion" (2015-2016)

Heidi Moore-Guynup has 30 years of large-scale project design,implementation and management experience and is adept at grant writing. Prior to joining BLR, she served as a school superitendent, Asst. Superintendent for Humboldt County Schools and was the Director of the Decade of Difference-ten-year Workforce Development Initiative. She will serve as the Primary Project Manager and will be resposible to ensure that the BLR Smart Water Grid 2.0 project is proceeding according to the agreed on contracts and timelines. She has a Master's Degree from Cal Poly Humboldt and has earned credentials to serve as a School Administrator, Counselor and Psychologist. She is currently completing her doctorate at the University of Nebraska.

Randy Cox, BLR Lead Electrician will serve as the Asst. Project Manager and will support appropriate BLR staff with completing necessary infrastructure supports needed to prepare the site for project implementation as well as will ensure the project is proceeding in compliance with approved contracts and timelines.

Philip Aycock, CPA, Chief Financial Officer (CFO), has been with the Tribe for 30 years. Mr. Aycock will oversee all fiscal aspects of this grant. Mr. Aycock began as an auditor, then accountant and finally has been the Tribe’s CFO for the last six (6) years.The Pacific Regional Office of the BIA recommends consultation with Mr. Aycock to tribes with financial management issues as one of the preferred auditor/consultants with a proven track record of understanding both tribal structure and federal accounting requirements.

Kim Norton, Tribal Financial Manager/Controller, has been employed with the Tribe for 21 years. Mrs. Norton will serve as the Finance Manager for the project funds. Mrs. Norton has worked in the accounting field for 24 years she has a Bachelor of Science Degree with a major in Business Administration, and a minor degree in Economics and Computer Science Information from Cal Poly Humboldt She facilitates efficient operation of the finances as well as overseeing financial operations, budget analysis, forecasting cash flow management, payroll, human resources, purchasing, grant drawdowns, grant financial reports, taxes and supervises the accounting department staff.

BLR applied for and received a previous NCRP grant to fund one of the two proposed emergency water storage supply tanks and related infrastructure. That project is complete and has set BLR on it's path to offer significant emergency response supports to tribal members and emergency response providers along with access to land and facilities during a large-scale emergency event affecting the North Coast.

Phase 2 of BLR's Smart Water Grid plan includes installing an additional 250,000g water storage tank on the opposite side of the BLR property that the first emergency storage tank is located on, upgrading an existing well and pump house and the necessary related infrastructure and supports to ensure ample water is available to BLR tribal members and emergency response personnel representing numerous agencies.

ELIGIBILITY

1. North Coast Resource Partnership Goals and 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 NCRP 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, including droughts, fires, floods, and sea level rise. Develop adaptation 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, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

2. Does the project have a minimum 15-year useful life?
   a) ☒ yes ☐ no
   b) If yes, will the organization be able to provide compliance documentation outlined in the instructions should the project be selected as a Priority Project?
   ☒ yes ☐ no

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 including a Groundwater Sustainability Agency letter of support, 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 yes, please specify whether the local Groundwater Sustainability Agency has endorsed the project:

URBAN WATER MANAGEMENT PLAN

a) Is the organization required to file an Urban Water Management Plan (UWMP)?
☐ yes ☒ no

b) If yes, has DWR verified the current 2020 UWMP?
☐ yes ☐ no

c) If the 2020 UWMP has not been verified by DWR, explain and provide anticipated date for verification:

d) Has DWR verified a water loss audit report in accordance with SB 555 as submitted by the urban water supplier?
☐ yes ☐ no

e) Does the urban water supplier meet the water meter requirements of CWC 525?
☐ yes ☐ no

f) Does the urban water supplier meet the State Water Resources Control Board's Water Conservation and Production Reporting requirement?
☐ yes ☐ no

g) 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, 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

SURFACE WATER DIVERSION REPORTS

a) Is the organization required to file State Water Resources Control Board (SWRCB) annual surface water diversion reports per the requirements in CWC Part 5.1?
☐ 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

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

c) If this is a stormwater/dry weather runoff project but does not benefit a small DAC population, please provide documentation that the project has been included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan:

d) 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 NCRP IRWM Plan, should the project be selected as a Priority Project?

☐ yes ☒ no

4. Eligible Project Type under 2022 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:

5. Describe how the project provides a benefit that meets at least one of the Statewide Priorities as defined in DWR's Final 2022 Guidelines (see page 7) and Tribal priorities as defined by the NCRP?

   Priority 4. Climate Resilience- Climate Change has increased the frequency of emergency events such as wildfires and power outages. BLR will be able to provide access to water, solar power, and facilities.
   Priority 5. Strengthen Partnerships with local, federal and Tribal governments…and other stakeholders- BLR will support its Tribal Members, CHP, OES, PG&E, USCG, Cal Fire, Blue Lake School District, American Red Cross and more during emergency events with access to water, power and facilities

NORTH COAST RESOURCE PARTNERSHIP

CERTIFICATION OF AUTHORITY

By signing below, the Authorized Representative executing the certificate on behalf of the Project Sponsor affirmatively represents that s/he has the requisite legal authority to do so on behalf of the Project Sponsor. The Authorized Representative executing this proposal on behalf of the project sponsor understands that the NCRP is relying on this representation in receiving and considering this proposal. The person signing below hereby acknowledges that s/he has read the entire NCRP 2022 Project Review and Selection Process Guidelines and the NCRP 2022 Proposition 1 IRWM Round 2 Project Application & Instructions documents and has complied with all requirements listed therein.

Official Authorized to Sign for Proposal

Signature

Jason Ramos-Tribal Administrator, CEO Tribal Business Enterprises, Tribal Councilmember

Date
11/03/2022

Technical & Reference Supporting Documents

Blue Lake Rancheria Smart Water Grid 2.0 Proposal to NCRP

Table of Contents

Attachment A

Resolution of The Blue Lake Rancheria Adopting the North Coast Integrated Regional Water Management Plan

Status- In-Progress pending grant notification/will provide if selected for funding.

Attachment B

Potential Project Benefits of the BLR Smart Water Grid 2.0 Project Proposal

Benefit	Unit	Description
Enhanced firefighting capabilities-Households Protected	50	Potential savings of $12,500,000 in home replacement costs
Enhanced firefighting capabilities-Human Lives Protected	200	Potential Tribal Member lives saved
Increased water supply reliability (in acres)	100	Emergency water supply for 100 acres
Honoring Tribal Priorities (in acres)	100	Preserve Tribal land
Social Health & Safety	unlimited	Unmeasurable supports to the North Coast region
Support in wildfire suppression efforts	unlimited	Provide emergency water for wildfire responders
Solar Micro-Grid power to support water pumps	unlimited	Ability to supply power to water pump during emergency
Mad River Protection	NA	Eliminate and/or reduce need for emergency water to be pumped from the Mad River 303(d)
Jobs Created or Maintained	1.35 FTE	Project Management support and future Water Technician

Attachment C

Tribal Sovereignty Document-See attached

RESOLUTION
OF THE
BLUE LAKE RANCHERIA, CALIFORNIA
22-23

SUBJECT: RESOLUTION OF THE GENERAL COUNCIL OF THE BLUE LAKE RANCHERIA DELEGATING AUTHORITY TO THE TRIBAL BUSINESS COUNCIL TO WAIVE THE SOVEREIGN IMMUNITY OF THE TRIBE

WHEREAS:

1. The Blue Lake Rancheria ("Tribe") is a federally recognized Indian tribe organized under a tribal constitution approved by the Secretary of Interior pursuant to Section 16 of the Indian Reorganization Act (("IRA"; 25 U.S.C. §476); and

2. Under the Tribe's IRA Constitution, certain powers are reserved to the General Council which consists of all voting members of the Tribe and other powers are delegated to a Business Council, consisting of a Chairperson, Vice- Chairperson, Secretary/Treasurer and two additional members, all elected by the general council; and

3. While the Business Council is designated in the Tribe's Constitution as its governing body, the power to waive the Tribe's immunity from suit is reserved to the General Council; and

4. Powers reserved to the General Council cannot be exercised by the Business Council, unless the General Council has given its consent to the action by the Business Council exercising a power reserved to the General Council by a two-thirds vote of the eligible voters of the Tribe; and

5. All duly enrolled tribal members eighteen years of age or older who are residents of the Blue Lake Rancheria constitute the voting members of the General Council; and

6. The General Council exercises its powers at regular or special meetings at which a quorum, consisting of thirty percent of the eligible voters, are present; and

7. The General Council holds a regular meeting once every year on the Second Saturday in October; and

8. The General Council held its regular meeting on Saturday, October 8, 2022; and

9. As required by the Constitution, notice of the time and place of the meeting was posted one week prior to the meeting date; and

10. There are nineteen (16) voting members of the General Council; and

11. A quorum of the General Council attended the meeting held on October 8, 2022; and

12. It was determined at the meeting that because the General Council holds only one regular meeting each year and special meetings can only be called by a majority vote of the Business Council or a written request

signed by a majority of the General Council, it is not practical to submit every contract requiring a waiver of the Tribe's immunity from suit to a vote of the General Council; and

13. The Business Council members are elected by the General Council; and

14. The Business Council is the governing body of the Tribe responsible for overseeing the day-to-day management of the Tribe's governmental affairs;

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Business Council is hereby authorized to waive the Tribe's sovereign immunity from suit on terms, limitations and conditions as specified in a resolution adopted by the Business Council, when such waiver is required by a party or parties to a proposed contract with the Tribe.

2. The Business Council shall be required to adopt by a majority vote a resolution waiving the Tribe's sovereign immunity at a duly called meeting with a quorum present.

3. The Business Council shall have the authority by a vote of not less than four-fifths of the whole Business Council to adopt a resolution delegating authority to the Chairman or Vice Chairman of the Tribe to waive the Tribe's sovereign immunity in contracts to buy or sell real property, including contracts related thereto and any other contracts where the obligation of the Tribe under the contract is $8,000,000.00 or less. In exercising the authority delegated by this Section 3 the Chairperson or Vice Chairperson may include the waiver and its terms, limitations and conditions in the contract itself, provided the contract is approved as to form by the Tribe's Legal Counsel.

4. This delegation of authority to the Business Council does not limit or prevent the General Council from exercising its reserved power under the Constitution to waive the Tribe's sovereign immunity; provided, however, that the General Council shall not have the power to repeal a waiver of sovereign immunity by the Business Council which has been approved by the Business Council in accordance with the requirements of and while this Resolution remains in effect.

5. This Resolution becomes effective on October 8, 2022, and shall remain in effect until October 14, 2023. Upon becoming effective all previous ordinances or resolutions purporting to delegate authority to the Business Council to waive the Tribe's sovereign immunity are hereby repealed and of no further force or effect.

CERTIFICATION

As the Chairperson of the General Council for the Blue Lake Rancheria, I hereby certify that the General Council adopted this resolution at its annual meeting with a quorum present by a vote of 10 for, 0 against, 0 abstaining, and 6 absent on October 8, 2022.

General Council Chairperson

10/8/22
Date of Approval

ATTEST:

Leslie Albright Tribal Executive Secretary

10-8-2022
Date of Approval

Attachment D

Blue Lake Rancheria NCRP Proposal Submission Support Document- See Attached

BLUE LAKE RANCHERIA
P.O. Box 428
Blue Lake, CA 95525

Office: (707) 668-5101
Fax: (707) 668-4272

www.bluelakerancheria-nsn.gov

November 2, 2022

Dear NCRP Grant Reviewer:

On behalf of the Blue Lake Rancheria (BLR) and its Tribal Members, I am writing to express my full support of BLR's submission of a Smart Water Grid 2.0 Grant Proposal to the North Coast Resource Partnership (NCRP).

BLR continuously strives to serve of our community and North Coast Region by seeking and procuring appropriate funding to assist with addressing pressing needs in the areas of crisis and emergency response, youth development, community health, nutrition, strengthening our families, and assisting our people with thoughtful planning for their futures through a variety of holistic and culturally appropriate services.

If awarded, I am confident that BLR staff will remain thorough and consistent in the project oversight and completion. Improved water access for our Tribal Members, the Blue Lake School District and our many emergency response partners remains a top priority for BLR.

Unfortunately, our region has been and remains subject to many emergencies such as wildfires, seismic events, air quality/dense fog, power outages and, more recently, the medical crisis associated with the COVID-19 pandemic. To this end, BLR has a proven track record of stepping up and stepping in to support our region during times of difficulty over the past few years.

This proposal is a continuation of the longstanding partnership and relationship between local emergency service providers, Cal Poly Humboldt, College of the Redwoods, the Blue Lake School District and the Blue Lake Rancheria.

Respectfully,

Claudia Brundin

Claudia Brundin, Tribal Chairperson

Attachment E

Blue Lake Rancheria Community Partner Letters of Support- See Attached

CAL POLY HUMBOLDT

Initiatives

TO: North Coast Resource Partnership
FR: David Narum, Ph. D., Assistant Director of Initiatives
RE: Blue Lake Rancheria NCRP Grant Program Proposal
DT: November 3, 2022

Dear NCRP Grant Review Team,

Please accept this letter of support for of the Blue Lake Rancheria (BLR) Smart Water Grid 2.0 proposal submission. BLR's existing water grid (Phase 1), supported by NCRP, serve as the foundation for the success of this Phase 2 proposal. This independent system significantly increases BLR's ability to provide water for tribal members and guests, and for fire departments, CHP, OES, the American Red Cross, and more.

BLR is a regional and national leader in community resilience. For example, its microgrid is designed to provide a resilient source of off-grid power in times of emergency (e.g., region-wide power outages). And the tribe's water grid will work in tandem with the microgrid to ensure a reliable and resilient water supply. Importantly, BLR's projects serve as models for other installations across the region, including the recently installed Eureka/Arcata Airport microgrid. And importantly, the tribe's projects serve as great learning environments for Cal Poly Humboldt students and other K-16 students from around the region.

Thank you in advance for your consideration of BLR's proposal. Cal Poly Humboldt remains a steadfast partner with BLR and their commitment to fostering resilience through innovative and forward-looking projects with regional benefit.

Sincerely,

David Narum

David Narum, Ph. D.
Assistant Director of Initiatives
Cal Poly Humboldt

American Red Cross

American Red Cross of Humboldt
and Del Norte Counties
3101 Concorde Dr STE H
McKinleyville, CA 95519
707-832-5450

To Whom it may concern,

Blue Lake Rancheria has been an integral partner in preparing communities both locally and throughout the state for disaster. Their Resiliency Training and Innovation Center provides opportunities for emergency managers, law enforcement officers, government partners, and community organizations access to high quality instruction that typically would require travel and expense that most rural jurisdictions could never hope to afford. In addition, the tribe routinely makes their space available for partners to use for sheltering simulation and drills.

Another aspect of our relationship with the tribe is in planning and preparedness for mass care response to disaster. The Rancheria has made available numerous buildings should the local community be displaced after a disaster. One of the key strategic values in Blue Lake's location is their energy independent microgrid which can provide power even in the event of local failures. The willingness to make these resources available provides the American Red Cross with a stable, well established partner to provide care with.

In summary, Blue Lake Rancheria is, and will continue to be, a focal point for disaster preparedness and response in Humboldt county. Their reach is spreading to other areas of the state as more local governances become aware of the amazing trainings they are providing. In all, at a local, state, and national level, the tribe is preparing responders and citizens to better prepare, respond, and recover from disaster. They my full support and faith, along with that of our local Red Cross Chapter.

Thank you,

Michael S McKeon

Disaster Programs Manager

American Red Cross of Humboldt and Del Norte Counties

Michael.mckeon@redcross.org

707-832-5480

Blue Lake Rancheria
ENVIRONMENTAL PROGRAMS
P.O. Box 428
Blue Lake, CA
Office: (707) 668-5101
Fax: (707) 668-4272
www.bluelakerancheria-nsn.gov/
govLawEnviroPro.html

North Coast Resource Partnership
PO Box 262
Healdsburg, CA 95448

November 1, 2022

Re: Blue Lake Rancheria's Smart Water Grid 2.0 Proposal

Dear Grant Review Team:

The Environmental Programs Department of the Blue Lake Rancheria (BLR) offers our enthusiastic support for BLR's proposal to the North Coast Resource Partnership (NCRP). The Environmental Programs Department actively collaborates with other departments at the Rancheria as well as community partners to protect and improve environmental and human health on tribal lands and throughout the Tribe's ancestral territory.

The Smart Water Grid 2.0 project will expand the Tribe's ability to offer reliable access to water in the event of a large-scale emergency. The project aligns with Environmental Program priorities as it is planned to be a sustainable way to incorporate additional resilience and sovereignty in case of an emergency impacting our regional water supply. For many reasons, BLR remains an integral partner in regional cross-agency emergency response efforts due to its location, access to facilities, solar powered micro-grid, water resources, and more. I encourage you to fund the Smart Water Grid 2.0 in this funding round.

Thank you for your consideration.

Sincerely,

Michelle Fuller

Michelle Fuller
Environmental Director

BLUE LAKE RANCHERIA OFFICE OF EMERGENCY SERVICES
P.O. Box 428
Blue Lake, CA 95525

Office: (707) 668-5101 x 1032 or x 1049
Fax: (707) 668-4272

www.bluelakerancheria-nsn.gov

November 4, 2022
Re: Blue Lake Rancheria NCRP Application

Ha'wa'lou (hello) Grant Review Team,

The Office of Emergency Services of the Blue Lake Rancheria (BLR) offers our support of BLR's application proposal to the North Coast Resource Partnership (NCRP) to further their ability to offer reliable access to water in the event of a large-scale emergency. Specifically, my department oversees Disaster Preparedness and Crisis Response efforts across the BLR campus. The Smart Water Grid 2.0 project proposal aligns nicely with my divisions goals and objectives.

For many reasons, BLR remains an integral partner in regional cross-agency emergency response efforts due to its location, access to facilities, solar power, existing water storage tank and more.

Thank you in advance for your consideration of their project proposal.

Hou'! (thank you),

Anita Huff

Anita Huff
Director, Office of Emergency Services
ahuff@bluelakerancheria-nsn.gov

Attachment F

Blue Lake Rancheria Electrical Infrastructure Plan- See Attached

BLUE LAKE RANCHERIA
ELECTRICAL INFRASTRUCTURE OVERVIEW

JUNE 2021

LOCATION MAP

SHEET LIST TABLE

SHEET TITLE	SHEET NUMBER	DESIGNER	LOCATION / FACILITIES
TITLE	G-001	SERC	TITLE PAGE
OVERALL SITE PLAN	G-100	SERC	OVERALL SITE PLAN
ELECTRICAL INFRASTRUCTURE	E-100	SERC	ELECTRICAL INFRASTRUCTURE PLAN

PLAN SET REFERENCE TABLE

PROJECT	PLAN SET	DESIGNER	LOCATION / FACILITIES
MICROGRID CIVIL	210413_BLRMG CIVIL PLAN SET_AS-BUILT	SERC	HOTEL, CASINO, TRIBAL OFFICE
MICROGRID ELECTRICAL	210608_BLRMG ELECTRICAL PLAN SET_AS-BUILT	GHD	HOTEL, CASINO, TRIBAL OFFICE
MICROGRID PV	210413_BLRMG PV PLAN SET_ FINAL	REC SOLAR	PV ARRAY
MICROGRID SGIP BESS	210608_BLRMG SGIP BATTERY AUGMENTATION PLAN SET_AS-BUILT	SERC	BESS SITE
MICROGRID ATS	200213_BLRMG ATS RETROFIT PLAN SET_AS-BUILT	SERC	CASINO ELECTRICAL ROOM
PLAYSTATION 777 SOLAR PLUS	190910_BLR PLAY STATION 777 SOLARPLUS PLAN SET_AS-BUILT	SERC	C-STORE
PLAYSTATION 777 PV	210528 PLAYSTATION 777 PV SYSTEM_NR-MEE-BLRC-REVA_AS-BUILT	MCKEEVER	C-STORE CANOPY
PLAYSTATION 777 EV CHARGING STATION	210528_BLR PLAY STATION 777 EV CHARGING STATIONS PLAN SET	SERC	C-STORE
TRIBAL JUSTICE CENTER ARCHITECTURAL	BLR TRIBAL JUSTICE CENTER ARCHITECTURAL DRAWINGS	BROWN DESIGNS	TRIBAL JUSTICE CENTER AREA
TRIBAL JUSTICE CENTER ENGINEERING	BLR TRIBAL OFFICE JUSTICE CENTER ENGINEERING PLAN SET	PACE ENGINEERING	TRIBAL JUSTICE CENTER AREA
PUMP HOUSE MSB	210607_BLR PUMP HOUSE MSB_AS-BUILT	SERC	TRIBAL JUSTICE CENTER AREA
SMART GRID	BLR SMART WATER GRID	GHD	POTABLE WATER SYSTEM

HUMBOLDT STATE UNIVERSITY
Sponsored Programs Foundation

STAMP

BAR IS ONE INCH ON ANSI D PAPER SIZE

SCHATZ ENERGY RESEARCH CENTER

REV	DATE	DESCRIPTION
1	6/01/21	FOR RELEASE
0	5/27/21	DESIGN REVIEW

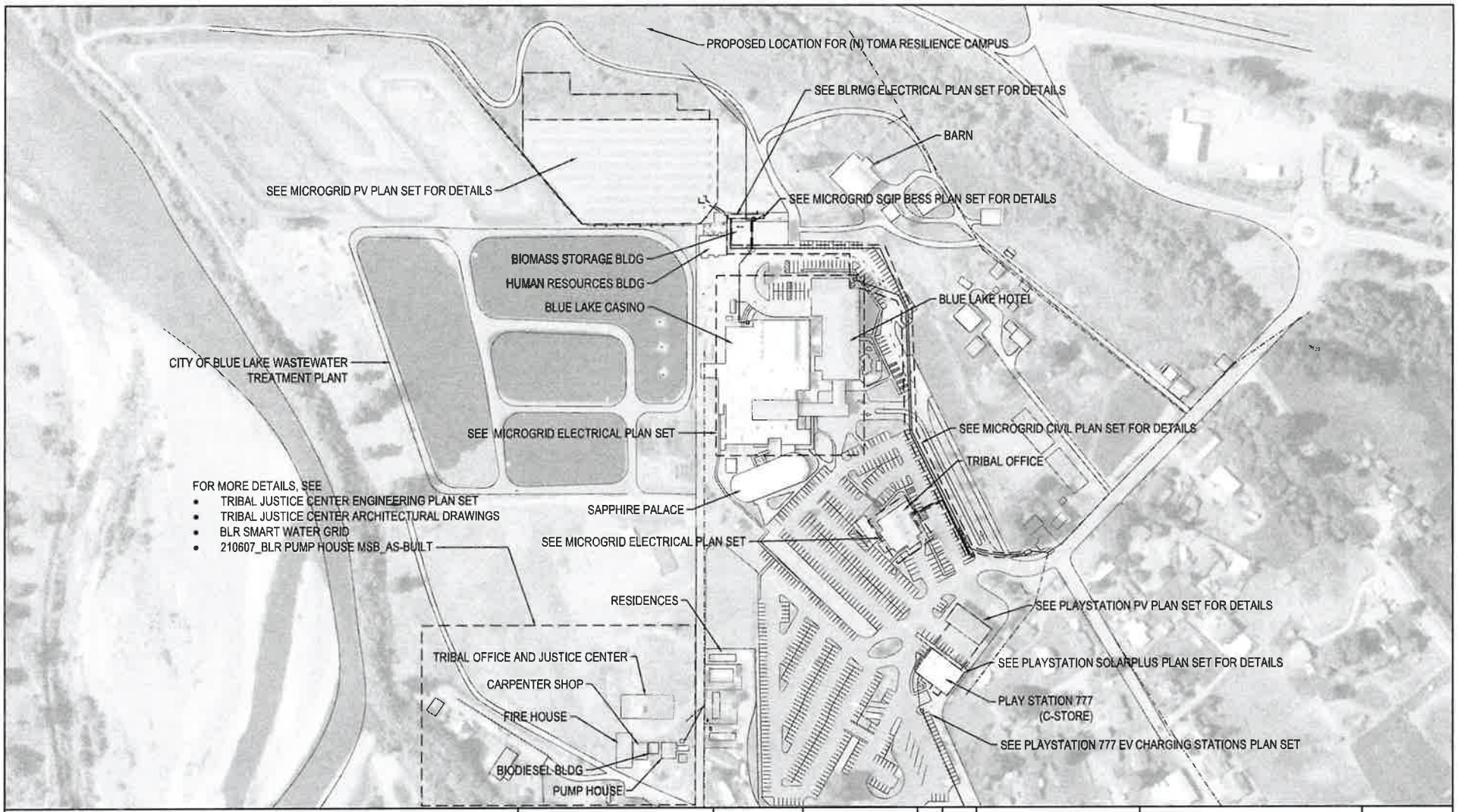
ELECTRICAL INFRASTRUCTURE OVERVIEW

TITLE PAGE

DRWN KR | CHK: GC

G-001

SHEET 1 OF 3



HUMBOLDT STATE UNIVERSITY

1"=100' 0 100 200

N

STAMP

IF BAR IS ONE INCH ON ANSI D PAPER SIZE

SCHATZ ENERGY RESEARCH CENTER

REV	DATE	DESCRIPTION
1	6/01/21	FOR RELEASE
0	5/27/21	DESIGN REVIEW

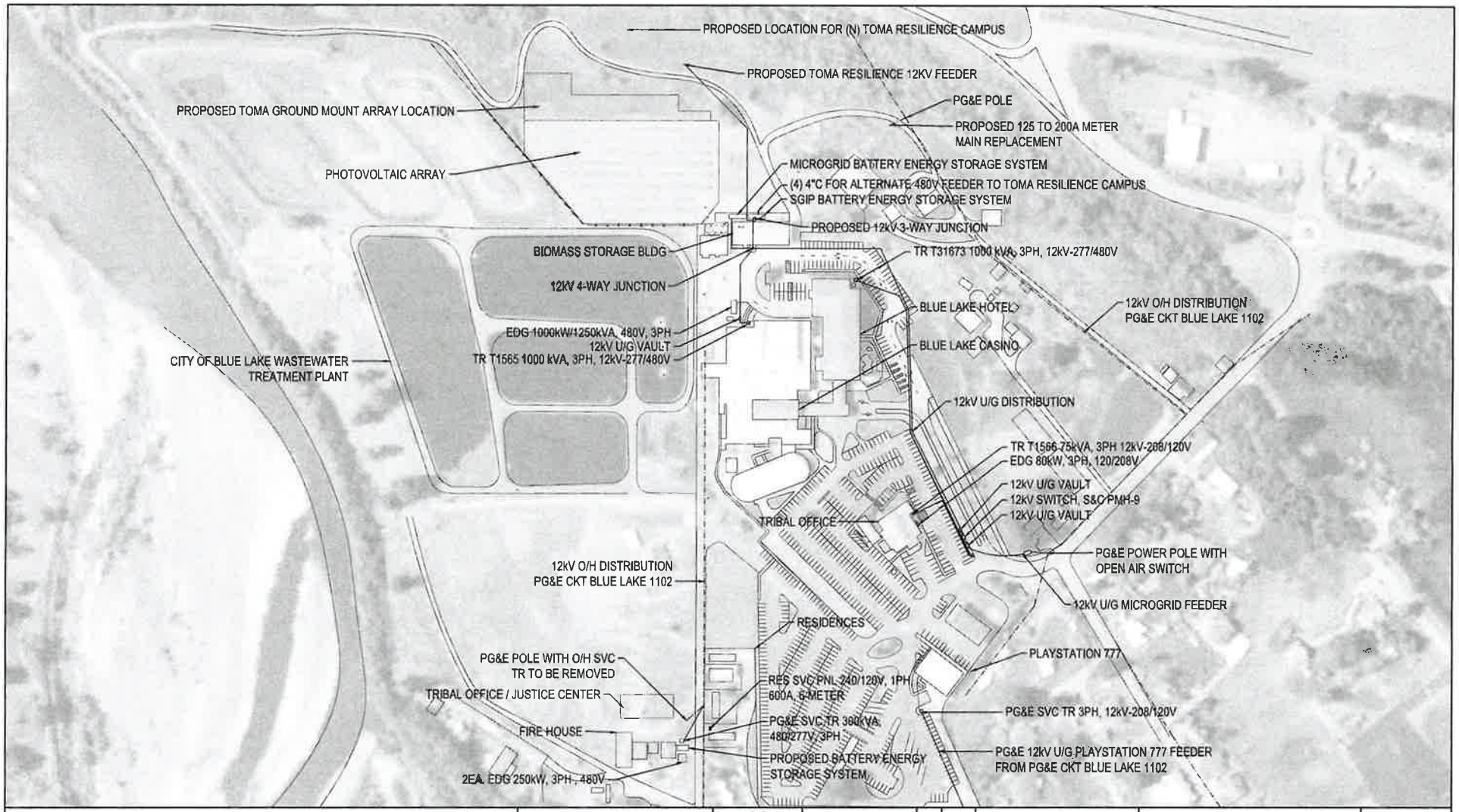
ELECTRICAL INFRASTRUCTURE OVERVIEW

OVERALL SITE PLAN
PROJECT PLAN SET REFERENCE

DRWN SR | CHK GC

G-100

SHEET 2 OF 3



HUMBOLDT STATE UNIVERSITY
Sponsored Programs Foundation

N

1"=100' 0 100' 200'

STAMP

BAR IS ONE INCH ON ANSI D PAPER SIZE

SCHATZ ENERGY RESEARCH CENTER

REV	DATE	DESCRIPTION
1	6/01/21	FOR RELEASE
0	5/25/21	DESIGN REVIEW

ELECTRICAL INFRASTRUCTURE OVERVIEW

ELECTRICAL INFRASTRUCTURE PLAN

DRWN: SR CHK: GC

E-100

SHEET 3 OF 3