



Drinking Water Operations/Maintenance and Environmental Laboratory

245 New York Ranch Rd, Ste A, Jackson CA 95642 (209) 418-3175

Christian Valley CSD

Proposal for Operations and Maintenance of Water Distribution and Water
Treatment Plant Facilities

49er Water Services

245 New York Ranch Rd, Suite A

Jackson CA 95642

Office: 209-418-3175

Cell: 530-277-2770

Written By,

A handwritten signature in black ink, appearing to read "Shane Burr", with a horizontal line underneath.

Shane Burr

Managing Partner

49er Water Services



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May 14, 2022

Dear Christian Valley CSD Board Members,

First and foremost, thank you for your consideration to work with 49er Water Services, FNW, as your potential treatment and operations company. We understand the seriousness and the effort involved in making such a decision and look forward to the opportunity. FNW meets the requirements detailed in your RFP, as illustrated in more detail in our proposal. We are confident we can provide excellent service and develop a harmonious relationship with the district for years to come.

At FNW we take the responsibility of providing safe drinking water to consumers extremely seriously. We are local company with local support, available 24/7, and understand the importance of maintaining a safe drinking water supply through proactive monitoring of the treatment facility and preventative maintenance of both the treatment plant and distribution system to avoid interruptions.

While our laboratory and business address is in Jackson CA, all operations personnel live within 15-40 minutes of Christian Valley. We believe it is imperative to have a local presence in operations as it provides for rapid response times for unforeseen events.

We look forward to the opportunity to discuss our proposal further. We appreciate your consideration and wish you the best of luck on your selection.

Sincerely,

A handwritten signature in black ink, appearing to read "Shane Burr", written over a horizontal line.

Shane Burr

49er Water Services

Managing Partner


49ER WATER
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Executive Summary

49er Water Services, FNW, is an operations/treatment company that also operates an Environmental Laboratory out of Jackson CA. Our staff has combined experience of 30+ years in environmental testing and water plant operations. FNW currently operates approximately 15 other small water systems in Nevada, Placer, Yuba, Sacramento, and Yolo Counties. These systems are primarily residential communities, mobile home parks and public schools.

FNW prides itself in being a small operations company as it affords us the ability to provide close professional services to our clients. We have developed many close relationships with our clients and are confident operations with Christian Valley CSD will be no different.

Please note, that while we have responded to the RFP to the best of our ability, we have noticed a couple areas that will need clarification if/when Christian Valley decides to work with FNW.

Statement of Qualifications

FNW currently operates and assists multiple residential and commercial systems in the Placer/Nevada county area which include groundwater wells, booster pumps, storage tanks and chlorination. A partial list of these clients is noted later in the proposal. FNW looks forward to providing the Christian Valley district the same level of experience our clients have had for years.

FNW currently holds a Class B Contractors License with the following endorsements: C61/D21 Mechanical Pumps and Machinery, C57 Well Drilling, C55 Filtration, C10 Electrical, D2 Water Distribution, and T3 Water Treatment. We also maintain certification with the California Environmental Laboratory Accreditation Program, ELAP, and operate a full-service Drinking and waste water laboratory. Samples collected are analyzed by our laboratory or subcontracted to a laboratory we have vetted and have confidence in their data quality.

Relevant Experiences and References

49er Water Services currently operates systems that primarily rely on ground water wells, storage tanks, and booster pumps in the system. Some of these systems also require chlorination which is closely monitored, recorded, and reported to the appropriate regulatory agency. Other treatment techniques include blending of waters from different wells (SCADA programming to ensure wells run at the same time), softening systems with clean water backwash, neutralizer systems, and continuous regeneration greensand filtration. Some of our clients include:



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- Auburn Valley CSD, Auburn CA
 - Current Distribution/Treatment Operator for a community that serves 280 residents and a golf course clubhouse. Their system consists of 5 wells, a 175,000 gallon above ground tank and 340,000 gallon below ground reservoir, with SCADA. Distribution is a combination of gravity feed and booster pumps.
 - Robert Mantz 530-269-1802

- Donner Summit PUD, Soda Springs CA
 - Assisted in an ongoing iron/manganese problem. We were able to determine their media was failed and improper media was used in the filtration beds. They have since replaced the media with our recommendations and have had no issues to date. We continue to assist with unrelated issues on an on-call basis
 - Jim King 530-426-9144
 - Justin Vosborough 530-386-1503

- Shady Lake Water Association, North San Juan CA
 - Current Distribution/Treatment Operator for a community of 90 residents. Their system operates off a well and storage tanks with a gravity feed system
 - Heather Brassfield 530-906-0126

- Penn Valley Shopping Center, Penn Valley CA
 - Current Distribution/Treatment Operator for a commercial system that supplies water to 14 businesses and 2 residents. Their system operates off a well, chlorine injection and storage tank with booster pumps.
 - Burt Martinez 650-224-0172

- Firm Foundation Academy, Alleghany CA
 - Current Distribution/Treatment Operator for a private school which serves 60 students that live on campus. Their system consists of a well, neutralizer and softener with clean water backwash and a continuous regeneration greensand filter due to high iron and manganese levels
 - Peter Terry 617-959-7591



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- River Delta School District, Courtland & Walnut Grove CA
 - Current Distribution/Treatment Operator for four schools which operate off separate wells and chlorine injection systems with holding tanks.
 - Ken Gaston 707-430-1334

- Lincoln High School Farm, Lincoln CA
 - Current Distribution/Treatment Operator for the schools 4H program with livestock and classrooms on site. Their system consists of a well with a holding tank
 - Thomas Butcher 916-434-5000

- Holiday Mobile Home Park, Sacramento CA
 - Current Distribution Operator for a mobile home park that serves 200 residents. Their system consists of two wells, a 1,000 gallon hydropneumatics tank and 4 119 gallon hydropneumatics bladder tanks.
 - Catherine Marlow 650-369-7733

- Rosecrest Mutual Water Association, Roseville CA
 - Current Distribution Operator for a small community within Roseville that serves 31 residents. Their system consists of a well and 1,000 gallon hydropneumatics tank for distribution.

- Arrowhead Water, Baxter, Somerset, Pollock Pines, and Tuolumne City CA
 - While this is not a distribution system FNW manages all four of Arrowhead Waters spring sites in Northern California, which consist of numerous springs, holding tanks, pumps with VFD's for loading tankers, SCADA for remote monitoring + security cameras. FNW coordinates snow removal and road maintenance. Arrowhead relies on FNW for all operations in Northern California for their bottling factories located in Sacramento and Livermore CA.
 - Tam Pham 909-229-1650

FNW is owned and operated by myself, my brother, Charlie Burr, and Anh Tran-Le (Laboratory QC Manager) and have been in operation 5 years. We all previously worked for 10 years in the same industry with another employer. Having left our previous employer, some of our current clients requested FNW to take over maintenance and operations on their systems. While FNW is young, our relationships with many of our clients goes back much further, some totaling 10-15 years.



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FNW is very aware of the importance of maintaining a system that provides safe drinking water 24/7 to the consumers. Our clients are provided with personal cellphone numbers of key personnel that can respond anytime in an emergency. An important thing to note is that while our company address and laboratory is located in Jackson, CA, we do not reside in Jackson. I live in Alta Sierra (20 minutes away) and Charlie Burr lives in Nevada City (30 minutes away).

Assuming Christian Valley CSD decides to work with FNW, we are prepared to hire two individuals to maintain Christian Valley CSD and other smaller systems in the vicinity of Christian Valley. One of those individuals is Bill Shinn, who is currently employed with Hydros Engineering and currently operates Christian Valley CSD. Mr. Shinn offers historical legacy knowledge on both the districts distribution system and treatment plant and offers valuable insight to both Charlie and I as we become familiar with the districts distribution system. FNW firmly believes in cross training individuals so in the event of the loss of a key personnel member we can seamlessly continue operations until the return/replacement of that personnel.

In the event of a large break in the distribution system that is beyond our scope we have spoken to local contractors and prepared a call list to partner with local contractors. If this occurs after hours we would respond, shut down the valve to the affected area to minimize damage and facilitate repairs the following day when equipment could be rented, or a contractor could respond. That said, FNW has discussed expanding our scope of work and would eventually like to purchase a small backhoe, a dump trailer, and a vacuum trailer which would make it possible to conduct these types of repairs after hours when other companies would not be willing to respond. FNW is fully capable of handling smaller breaks on service connections or at the meter 24/7. In the unlikely event that a contractor was unavailable the following day FNW would rent the equipment required to perform the repair.

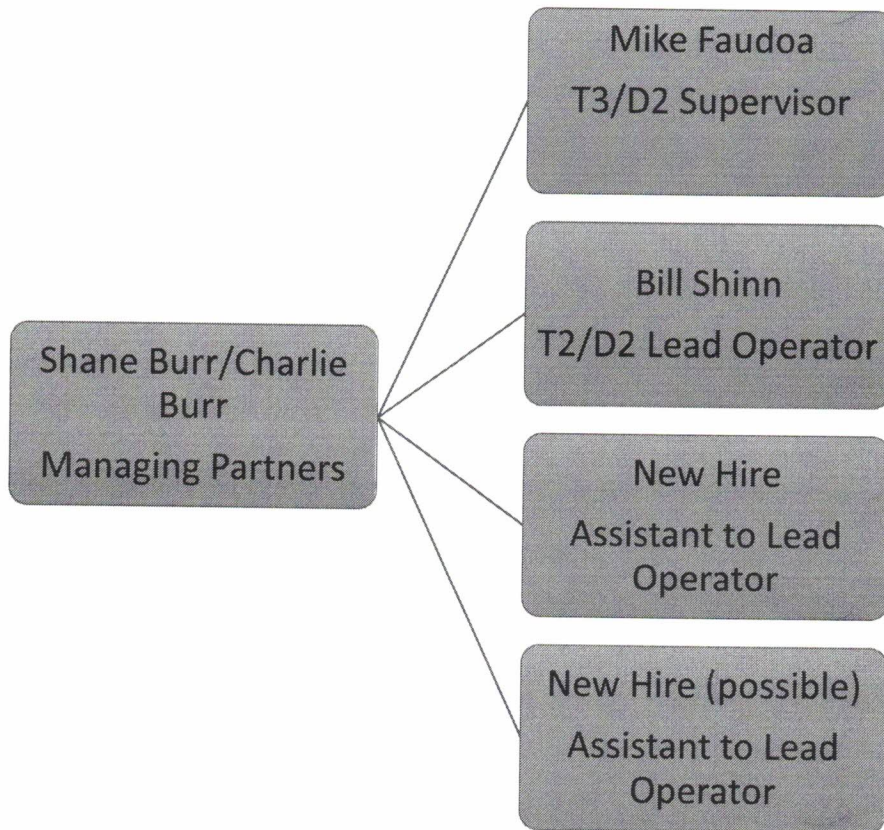
FNW proposes to install a lockbox at the Christian Valley CSD Treatment Plant for chemical delivery. This will allow chemical delivery drivers to drop off chemicals at the plant where FNW could then transport to the treatment plant. FNW proposes to install a hoist system, paid by FNW, at the treatment plant which would be utilized to lift the chemicals onto a truck or trailer. The chemicals would then be pumped into existing chemical tanks at the treatment facility.



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Key Personnel



FNW's Proposed organizational chart for Christian Valley CSD Operations and Maintenance

Listed below are our key personnel. All personnel are local and will be hands on in assisting with all routine operations.

Michael Faudoa, Chief Plant Operator

- T3/D2, is currently the Chief Plant Supervisor for the City of Nevada City's drinking water system. Mr. Faudoa also is the Chief Plant Operator for the City of Nevada City's Wastewater Treatment Plant.
- Mr. Faudoa will assist part time and on a consultant basis, overseeing all operations at Christian Valley CSD, signing reports and reporting directly to all regulatory authorities. Mr. Faudoa and FNW have a long working relationship and personal friendship.



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Bill Shinn, D2/T2, obtaining T3 certification soon

- Day-to-day operations of the treatment plant and distribution system
- Historical and legacy knowledge of Christian Valley CSD and an integral part to a smooth transition.
- FNW will also be hiring one or two individuals to work directly with Bill Shinn and assist with day-to-day operations, maintenance, and repairs.

Charlie Burr, Managing Partner and D1/T1, obtaining D2/T3 certifications soon.

- D1/T1 operator Auburn Valley CSD and other systems we currently operate.
- Licensed Electrician
- Licenced Pump and Machinery installation and repair
- Licensed Filtration installation and repair

Shane Burr, Managing Partner

- Laboratory Director of our environmental laboratory
- IT Experience
- Assists Charlie Burr in day-to-day D1/T1 operations for current systems and reporting

Additional Capabilities

FNW can troubleshoot many technical issues and work the districts SCADA programmers. We currently maintain Auburn Valley SCADA, and occasionally bring in an outside consultant who is very familiar with electronics communications and programing. Charlie, as a licensed electrician is very capable of isolating electrical issues (pumps, VFD's, communication issues, etc), diagnosis and repairs. Charlie is also very familiar with VFD programming and handles all programming for Arrowhead Waters multiple sites that utilize VFD's. Shane Burr has a strong background in computer IT technology and often can troubleshoot most computer related issues.

FNW is happy to assist in improvement planning and suggest areas of concern to avoid critical failure. We routinely monitor amperage output of pumps at various sites, as it can be an excellent indicator of a pump that is wearing out or nearing failure. Other preventative maintenance includes annual inspection of media beds, and clearing of backwash and overflow troughs, and standard maintenance pumps and motors. While we do not conduct any work related to engineering we are happy to work and coordinate with the districts engineer.



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A minor change FNW would propose to implement, on the assumption that Christian Valley CSD elected to work with us, would be to install a Firewall at the treatment site for remote monitoring via VPN. While remote login software does work, they are vulnerable to hacking attempts. Teamviewer and Logmein have both fallen victim in the past to large hacking operations. The Water Board has issued warnings in the past, highlighting the vulnerability of drinking and wastewater facilities and wants to see these systems become more secure. FNW would propose a Meraki firewall with VPN capabilities for remote access. Purchase, installation, maintenance, and software renewal costs would be borne by FNW. If any board members or staff of Christian Valley require access to the SCADA system, FNW would be happy to meet one on one, set up their computer and provide training on how to access.

FNW has a couple ideas we are happy to discuss to reduce costs as we recognize the cost for contract services is substantial. We would propose that Christian Valley CSD opens an account at various vendors (we can provide a list) that FNW could charge supplies to. This would reduce prices of material and/or rentals by 10%. Additionally, FNW carries a \$2,000,000 general liability with \$1,000,000 on vehicles. If Christian Valley CSD would be inclined to reduce the insurance liability requirements, we could reduce the annual cost by \$6600.

As FNW acquires equipment like a backhoe and vac truck we would propose storing that equipment at the Christian Valley CSD treatment plant. This would minimize mobilization times allowing us to respond to the plant for any necessary equipment, minimizing downtime for Christian Valley residents.

One area of concern FNW does have after the initial walk through was that it was noticed one filter unit is offline and requires rehab to be operational. It is imperative that this filter unit is fixed as if either of the remaining filters go down during summer months, we are concerned that the plants last remaining filter would not be able to keep up with demand. With supply shortages as they are, it would be in the best interest of Christian Valley CSD to work with FNW to get this filter operational in case of such an event as it could take 1-2 months to receive the materials required to either rehab the standby filter or re-bed the in-use filter unit.

At FNW, we are dedicated to 24/7 support and strongly believe that over the long term we could provide Christian Valley CSD with the excellent support they have experienced for years with Hydros Engineering.

MICHAEL FAUDOIA

Wastewater/Water Treatment Plant Operator

CONTACT

mfaudoa@sbcglobal.net

(530) 432-4328

14473 Sun Forest Dr Penn
Valley, CA, 95946



EDUCATION

CA. STATE UNIVERSITY, SACRAMENTO-OFFICE OF WATER PROGRAMS

Sacramento, CA

Certificate Water Treatment (Oct
2019)

Relevant Coursework

Water Treatment Plant Operation
Vol 1 and 2
Small Water Systems Operation
and Maintenance

SAN DIEGO COMMUNITY COLLEGE

San Diego, CA

Completed coursework towards
Water/Wastewater Fundamentals
Treatment Plant Operation and
Maintenance (Oct 1997)

ADDITIONAL SKILLS

SCADA system operation, CMMS
system operation, MS Word/Excel
Class B CDL, HazMat, Tank, Airbrake
equipment operation

LICENSES AND CERTIFICATIONS

Water Treatment Operator Grade 3
License #20896

Water Distribution Operator Grade
2 License # 42838

Wastewater Treatment Plant
Operator Grade 4 License # 9884

CAREER OBJECTIVE

Focused professional with 20 years of experience and a proven knowledge of treatment plant operation, equipment maintenance, laboratory sampling and analysis. Aiming to leverage my skills to successfully fill the Wastewater/Water Treatment Plant Operator position at your facility.

PROFESSIONAL EXPERIENCE

OPERATOR 2

Jacobs Engineering, Auburn, CA / Feb 2015 – Mar 2019

- Perform full range of duties in the operation and maintenance of the wastewater plant and assist in the collection department with sewer maintenance. Assigned as the facility Safety Coordinator working closely with the Regional safety director.

WATER QUALITY OPERATOR 3

City of Live Oak, Live Oak, CA / Jan 2015 – Aug 2015

- Responsible for the maintenance of the wastewater/water/ and collection systems.

LEAD OPERATOR

San Elijo Water Reclamation Facility, Cardiff, CA / Jan 2014 – Dec 2014

- Work closely with and under the direction of the Chief Plant Operator performing full range of duties in the operation of the wastewater plant and the reclamation facility (Reverse Osmosis and Membrane Filtration system providing water to the Non Potable distribution system)

OPERATOR 2-CHIEF PLANT OPERATOR

City of Colfax, Colfax, CA / Nov 2011 – Oct 2013

- Acting Chief Plant Operator, Lone Operator. Rehabilitate the wastewater plant effluent discharge into state compliance, then subsequently dewatered a 64 million gallon pond in order to have the pond lined.

OPERATOR 2

City of Grass Valley, Grass Valley, CA / Aug 2003 – Sep 2010

- Perform full range of duties in the wastewater and water treatment plant operations and maintenance. Re constructed the Water Plant disinfection piping system header, valves and regulators. Rebuilt the Bio Solids Belt press saving the City \$30,000 in outside repair services.

Charles T Burr
14486 North Bloomfield Rd, Nevada City, CA
95959
charlie@49erwaterlab.com (530)559-8089

Education:

Bachelor of Science, Business Administration
Concentration: Finance
California State University, Sacramento, CA
Major GPA: 3.56

Honors: Cum Laude

Related Coursework:

- Business Law
- MSFT Office Suite
- Computer info System Mgmt
- Accounting I & II
- Intermediate Micro Economics
- Data Analyst For Managers
- Financial Management
- Operations Management
- Financial Institutions + Market
- Investments

TECHNICAL SKILLS AND KNOWLEDGE

Licensed Contractor, electrician, pump and filtration repairs and install, plumbing, with extensive experience in diagnostic repair of various mechanical equipment

Computer Skills:

- Operating Systems: Windows, Quickbooks, Data Flow Systems
- Applications: Excel, Word, Power-point, Basic XHTML, Basic Word Perfect
- Touch Typing: 35-40 WPM. Some 10 key experience

WORK EXPERIENCE:

49er Water Services

Dec 16 – Present

- Pump/Filtration Repair and installation
- Distribution and Treatment operation for numerous drinking water facilities

Diamond Well Drilling, Auburn

April 10 – January 16

- Mechanic for vehicles and drill rigs
- Pump/Filtration Repair and installation

Self employed General Contractor

CTB Construction

August 09 – March 10

- Specializing in remodels, repairs, additions and decks
- Worked both independent and as a subcontractor

RESUME

Shane Burr
13909 Naomi Wy
Grass Valley, CA 95945

SKILLS AND ABILITIES

- NMR Spectroscopy
- GC/MS Spectroscopy
- ICP Spectrometry
- HPLC Spectrometry
- Microbiology
- Whole Effluent Toxicity

EDUCATION

California State University, Sacramento
Sacramento, CA

B.S. Chemistry, with concentrations in Biochemistry and Forensic Chemistry

Sierra Community College
Rocklin, CA

EXPERIENCE

Laboratory Director/Managing Partner for 49er Water Services, in charge of an environmental laboratory and managing various drinking water systems.

Laboratory Director of Diamond Water Laboratory in Auburn, CA for 11 years. In that time I grew the laboratory from strictly a microbiology laboratory to a full service lab with certifications in most wet chemistry techniques. I have also set up instrumentation for Ion Chromatography, ICP-AES, CVAA, GC/MS including SOP's and certification through California. I also certified Diamond Water Laboratory for Whole Effluent Toxicity Bioassay Analysis.

Concurrent with college I volunteered to work under the supervision of a CSU Sacramento professor, studying the synthesis of a new class of HIV treatment drugs. This study continued for a period of two years. Research consisted of the sulfation of a sugar, hydrolysis of this sugar and separation of each oligomer and characterization of the sulfation patterns for each oligomer. These oligomers were then attached to an organic core and ELISA assays were performed to determine the degree of inhibition of binding of a glycoprotein.

WORK EXPERIENCE

December 2016 – Present Managing Partner, 49er Water Services
245 New York Ranch Rd Ste A
Jackson, CA 95648

Special Work			
Billed on Cost and by Occurrence			
ITEM NO.	DESCRIPTION	UNITS	BILLING RATE
Contract Operations and Staff Rates			
1.	Plant Operations Onsite	hours	\$ 95 /hour
2.	Certified Operator	hours	\$ 95 /hour
3.	Operation Tech	hours	\$ 75 /hour
4.	Backflow Tester	hours	\$ 95 /hour
5.	Emergency Call Out After Hours / Weekends	hours	\$ 135/person /hour (2 hr minimum)
6.	Emergency Certified Operator	hours	\$ 95 /hour (2 hr minimum)
Equipment and Vehicle Rates			
1.	Service Truck with Tools (hourly)	hours	\$ 20 /hour
2.	Service Truck with Tools (daily)	days	\$ 110 /day
3.	Pickup Truck (mileage rate)	miles	\$ 0.75 /mile
4.	Vacuum Trailer (hourly)	hours	contracted or rental price +10%
5.	Vacuum Trailer (daily)	days	contracted or rental price +10%
6.	Gas/Electric Water Pump [# gpm] (daily)	days	\$ 100 /day
7.	Lab test collection and deliver to the Lab: Title 22 panel	test	\$ 142.50 /test
8.	Residential service install	each	\$ case by case*** (see below) /each
9.	Backhoe, dump truck, & trailer rig	day	contracted or rental price +10%

***too many variables, length, across the road, side of road etc.?

Materials With prior approval by the District, the Provider will be reimbursed at the invoice amount plus 10% for materials.

Equipment and Vehicle Rates With prior approval by the District, equipment and vehicle rates not listed in the Bid Schedule will be reimbursed as follows:

2. For equipment rented from a third-party supplier, reimbursement will be the invoice amount plus 10%.
1. For Contractor owned equipment, reimbursement will be per Caltrans standard rental rates.

Subcontractor Expenses With prior approval by the District, the Provider will be reimbursed at the subcontract price plus 10%.

EXHIBIT B

Rate Sheet

In accordance with this Request for Proposal, the Proposer agrees to provide the services described in this Request for Proposal, at the rates shown in this Bid Schedule.

Special Work is approximate only and being given as a basis for the comparison of proposals. All rates for routine work should include all overhead, including vehicle expenses, insurance, benefits, standby-costs paid to on call employees, etc.

The District does not, expressly, or by implication, propose or agree that the actual quantities of work will correspond therewith, but reserves the right to increase or decrease the amount of any portion of the work shown, or to omit portions of said work, as may be deemed advisable by the District. Payment will be made on the basis of quantities actually performed.

Base Rate for Routine Work			
Billed Periodically based on the period indicated below:			
<input checked="" type="checkbox"/>	Prices reflect monthly billing rate		
<input type="checkbox"/>	Prices reflect daily billing rate		
ITEM NO.	DESCRIPTION	UNITS	BILLING RATE
Contract Operations and Staff Rates			
1.	Daily Plant Operations Onsite	Daily	\$ 747.50
2.	After Hours On call Service	hourly	\$ 142.50 (2 hr min)
3.	Fixed cost reimbursements		\$ cost +10%

EXHIBIT C

SAFETY COMPLIANCE CERTIFICATE

I, the undersigned, hereby certify the information contained herein and that undersigned is duly authorized to certify that:

Shane Borr

(Print Company Representative Name)

Managing Partner

(Print Company Representative Title)

49er Water Services

(Print Company Name)

1. Provider has an effective Injury and Illness Prevention Program which meets the requirements of all applicable laws and regulations, including, but not limited to, California Labor Code Section 6401.7. (This section does not apply if Provider does not perform any work under this agreement within the State of California.)
2. Provider agrees that it is fully responsible for the acts and omissions of its subcontractors and all persons either directly or indirectly employed by the Provider.
3. The above-named person has the authority and responsibility for implementing and administering Provider's Injury and Illness Prevention Program.

IN WITNESS WHEREOF, the undersigned has executed this Safety Compliance Certificate under the penalty of perjury of the laws of the State of California:

Signed:



Print Name:

Shane Borr

Date:

5/16/22