



RUNNING SPRINGS WATER DISTRICT
A MULTI-SERVICE INDEPENDENT SPECIAL DISTRICT

31242 Hilltop Boulevard • P.O. Box 2206
Running Springs, CA 92382

TO: BOARD OF DIRECTORS DATE POSTED: FEBRUARY 21, 2024
RE: REGULAR BOARD MEETING FROM: BOARD SECRETARY

The Regular Meeting of the Board of Directors of the Running Springs Water District will be held on Wednesday, February 21, 2024, at the hour of 9:00 am at the District Office located at 31242 Hilltop Boulevard, Running Springs, California. This agenda was posted prior to 5:00 pm on February 16, 2024, at the Running Springs Water District Office and Website.

Pursuant to AB 361, the meeting will be conducted as a hybrid (in-person and via Zoom) meeting.

To join the meeting:

<https://us02web.zoom.us/j/82957293039?pwd=UVUzeCt3ZE41TXFtMXlkeDMvZXZTUT09>

Dial: 669-900-6833
Meeting ID: 829 5729 3039
Passcode: 2766

The Board may take action on any item on the agenda, whether listed as an action item or as an information item.

Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, as required by Section 202 of the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to Amie Crowder, Board Secretary at (909) 867-2766 at least 48 hours before the meeting, if possible.

Copies of documents provided to members of the Board for discussion in open session may be obtained from the District at the address indicated above.

AGENDA

1. Call Meeting to Order and Pledge of Allegiance

ACTION ITEM – Roll call vote on whether as a result of the state declared emergency, meeting in person may present imminent risks to the health or safety of attendees and therefore this meeting will be conducted as a hybrid (in-person and via Zoom) meeting.

2. Recognize and Hear from Visitors / Public Comment - This portion of the agenda is reserved for the public to make comments on matters within the jurisdiction of the Running Springs Water District that are **not on the agenda**. The Board, except to refer the matter to staff and/or place it on a future agenda, may take no action. It is in

the best interest of the person speaking to the Board to be concise and to the point. A time limit of five minutes per individual will be allowed. Any person wishing to comment on an item that is on the agenda is requested to complete a request to speak form prior to the item being called for consideration or to raise their hand and be recognized by the Board President.

3. Approval of Consent Items – The following consent items are expected to be routine and non-controversial and will be acted on at one time without discussion unless an item is withdrawn by a Board Member for questions or discussion. Any person wishing to speak on the consent agenda may do so by raising his/her hand and being recognized by the Board President.

A. Approve Meeting Minutes **Page 4**

B. Valley View Water Pipeline Replacement Project Acceptance **Page 8**

4. Action Items – The following action items will be considered individually, and each **require a motion** by the Board of Directors for action.

A. Consider Authorizing Staff to Submit Letter to the San Bernardino Local Agency Formation Commission Requesting Extension of Service for Ground Ambulance Services **Page 11**
(Presenter: Ryan Gross, General Manager)

B. Consider Approving Purchase of Replacement Backup Power Generator for Fire Station No. 50 **Page 15**
(Presenter: Andy Grzywa, Fire Chief)

C. Consider Authorizing On-Call/As-Needed Services for Supervisory Control and Data Acquisition (SCADA) System **Page 32**
(Presenter: Ryan Gross, General Manager)

D. Consider Approving Various Operations Expenditures **Page 41**
(Presenter: Trevor Miller, Operations Manager)

E. Consider Approving Professional Services Agreement for the CEQA Study at New Vehicle and Equipment Storage Building **Page 50**
(Presenter: Ryan Gross, General Manager)

5. Information Items – The following information items do not require any action by the Board of Directors and are for informational purposes only.

A. Budget and Rates Discussion
(Presenter: Ryan Gross, General Manager)

February 21, 2024, Regular Board Meeting Agenda
Posted February 16, 2024

B. New Fire Station Concept and Planning Update
(Presenter: Ryan Gross, General Manager)

6. General Manager's Report
7. Report from Legal Counsel
8. Board Member Comments/Meetings
9. Meeting Adjournment

Upcoming Meetings: Regular Board Meeting, March 20, 2024, at 9:00 am

RUNNING SPRINGS WATER DISTRICT

MEMORANDUM

DATE: February 21, 2024
TO: Board of Directors
FROM: Amie Crowder, Administration Supervisor, Board Secretary, Treasurer
Ryan Gross, General Manager
SUBJECT: CONSIDER APPROVING MEETING MINUTES

RECOMMENDATION

It is recommended that the Board of Directors review and approve the attached meeting minutes.

REASON FOR RECOMMENDATION

Approval of meeting minutes.

BACKGROUND INFORMATION

The attached draft meeting minutes are from the Regular Board Meeting held on December 20, 2023.

ATTACHMENTS

Attachment 1 – Draft Meeting Minutes for Regular Board Meeting held on December 20, 2023

MINUTES – December 20, 2023
PAGE 1 OF 3

MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS
RUNNING SPRINGS WATER DISTRICT
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA
December 20, 2023

A Regular Meeting of the Board of Directors of the Running Springs Water District was held on Wednesday, December 20, 2023, at the hour of 9:00 A.M. at the District office located at 31242 Hilltop Boulevard, Running Springs, California, and through teleconference.

The following Directors were present at the District:

Tony Grabow, President
Bill Conrad, Vice-President
Mike Terry, Director
Laura Dyberg, Director

The following Directors were absent:

Mark Acciani, Director

Also present at the District were the following:

Ryan Gross, General Manager
Amie R. Crowder, Secretary to the Board/Administration Supervisor

No visitors were present at the District.

MEETING MINUTES

AGENDA ITEMS

1. Call Meeting to Order and Pledge of Allegiance

The Running Springs Water District Board Meeting was called to order at 9:00 A.M. by President Grabow and led the assembly in the Pledge of Allegiance.

2. Recognize and Hear from Visitors/Public Comment

No Visitors Present

3. Approval of Consent Items

A. Approve Meeting Minutes

B. Ratify Expenditures

Manager Gross reviewed the Combined Pooled Cash Balance Sheet on page 13 of the Board packet. After the Board packet was distributed, the District received deposits from the County of San Bernardino for the Property Tax Apportionment, and the United States

Department of Agriculture, Forestry Service for Battalion Chief Ellsberry's assignment this past Summer.

Upon **motion** by Director Dyberg, **second** by Vice-President Conrad and **carried by a 4 to 0 vote**, the Consent Items were approved.

4. Action Items – The following action items will be considered individually, and each **require a motion** by the Board of Directors for action.

A. Consider Adopting Resolution No. 16-23, Approving a Revised Capital Asset Accounting Policy

Manager Gross reviewed Resolution No. 16-23, and the need to raise the capitalization threshold. By doing so, it would decrease the amount of time and effort District's financial consultants spend on fixed assets. It is recommended to increase the threshold from \$1,000 to \$25,000.

Upon **motion** by Vice-President Conrad, **second** by Director Terry and **carried by a 4 to 0 vote**, Resolution No. 16-23, Approving a Revised Capital Asset Account Policy, was adopted (Resolution No. 16-23 is on file at the District office).

B. Consider Approving an On-Call Maintenance Contract for Raising Sewer Manholes in Green Valley Lake

Manager Gross reviewed the On-Call Maintenance Contract for raising seventeen (17) sewer manhole rings and covers. Bids from GM Excavating and Elevated Excavating were also requested; however, they declined to bid the job. Altmeyer, Inc. was the only bidder for this project and is familiar with the work needing to be done. Manager Gross also reviewed in detail the need to get the manhole rings raised within the near future, the conditions of the manholes, and needing to rehabilitate them. Director Terry inquired about the current financial reserves for Green Valley Lake compared to the work needing to be done. Details of this were discussed.

Upon **motion** by Director Dyberg, **second** by Director Terry and **carried by a 4 to 0 vote**, Authorizing Expenditure for an On-Call Maintenance Contract for Raising Sewer Manholes in Green Valley Lake, in the amount of \$49,300 to Altmeyer, Inc., authorizing the General Manager to execute the contract and approve change orders, if needed, not to exceed 15% of the original contract, was approved.

C. Consider Approving a Professional Services Agreement for a Sewer Flow Monitoring Study in Green Valley Lake

Manager Gross reviewed the Sewer Flow Monitoring Study in Green Valley Lake, the desired locations for the monitors, and his working experience with both Utility Systems Science & Software and ADS Environmental Services. Vice-President Conrad and Director Dyberg inquired about the breakdown of services with each bid provided.

Manager Gross outlined the cost sheet for comparison. Manager Gross also explained the risk of installing the monitors and if it does not rain. Lastly, Manager Gross provided an explanation of how the collected data is calculated and deciphered.

Upon **motion** by Vice-President Conrad, **second** by Director Terry and **carried by a 4 to 0 vote**, a Professional Services Agreement for a three-month Sewer Flow Monitoring Study in Green Valley Lake, in the amount of \$92,042.50 plus an additional month, if needed, in the amount of \$16,372.50 with Utility Systems Science & Software, authorizing the General Manager to execute the agreement and approve change orders, if needed, not to exceed 15% of the original contract amount, and the purchase of seven sewer flow monitoring devices in the amount of \$72,821, was approved.

5. General Manager’s Report

Manager Gross provided updates on the Property Tax Apportionment payment and the Forest Service reimbursement the District received, wastewater operations staffing shortage, and a status update on the new Water Operators.

6. Board Member Comments/Meetings

Director Dyberg provided various updates pertaining to CalFIRE grants the Running Springs Fire Department can apply for as it pertains to equipment. The Board of Forestry and Fire Protection posted their 2024 Fire Risk Reduction Communities List Application on December 1, 2023 and encourage the Running Springs Fire Department/Water District to apply. Several local government agencies are also applying. By participating in this program, it could assist local homeowners obtain up to 15% off their homeowner fire insurance premiums.

Director Dyberg also provided an update on Rim Communities Resource Alliance, which is a new organization that will a non-profit. Their website will be www.rimcommunities.org and will provide a plethora of local resources for our community. In addition to the soon-to-come online platform, they will also provide hard copies of resources.

Lastly, Director Dyberg shared that the County of San Bernardino was awarded a Fire Coordinator grant. Mountain Rim Fire Safety Council has recently been approved as a San Bernardino County Coordinator. <https://prepare.sbcounty.gov/> is a resource where residents can receive disaster resources.

7. Meeting Adjourned

Upon motion by Director Terry, the meeting was adjourned at 9:43 A.M.

Respectfully Submitted,

President, Board of Directors
Running Springs Water District

Secretary of the Board of Directors
Running Springs Water District

**RUNNING SPRINGS WATER DISTRICT
MEMORANDUM**

DATE: February 21, 2024
TO: Board of Directors
FROM: Ryan Gross, General Manager
SUBJECT: PROJECT ACCEPTANCE AND FILING NOTICE OF COMPLETION FOR VALLEY VIEW WATER PIPELINE REPLACEMENT PROJECT

RECOMMENDED BOARD ACTION

It is recommended that the Board of Directors:

- 1. Accept the work as performed by Altmeyer, Inc. as complete under the construction contract for the Valley View Water Pipeline Replacement Project; and
- 2. Authorize the General Manager to execute the Notice of Completion and file with the San Bernardino County Recorder (Refer to Attachment 1).

REASON FOR RECOMMENDATION

The construction phase of the project is complete.

BACKGROUND INFORMATION

On June 21, 2023 the Running Springs Water District Board of Directors awarded a construction contract to Altmeyer, Inc. for their low bid of \$599,378 to construct the District’s Valley View Water Pipeline Replacement Project.

FISCAL INFORMATION

The final contract amount was \$658,748 which is approximately 10% more than the original contract amount. There were 4 change orders issued totaling \$59,370. The following table shows the change orders for the project:

Change Order #	Change Order Description	Amount
1	Add Fire Hydrant on Valley View	\$14,000
2	Add 50LF of 4" PVC for future elimination of backyard connection of ROWCO to Luring Tank fill	\$6,600
3	Additional work at Pressure Regulating Valve (PRV) in	\$22,900

	Luring Pines Drive	
4	CLAWA Avian turnout 4" PVC extension for additional flexibility in taking delivery of CLAWA water	\$15,870

This is within the 15% change order contingency that was authorized when the contract was awarded on June 21, 2023.

The funding source for the project was the Water Capital Improvement Project Reserve Fund.

ATTACHMENTS

Attachment 1 – Notice of Completion

RECORDING REQUESTED BY:

Running Springs Water District

AND WHEN RECORDED MAIL TO:

Running Springs Water District
PO Box 2206
Running Springs, CA 92382

SPACE ABOVE THIS LINE FOR RECORDER'S USE ONLY

NOTICE OF COMPLETION
FOR THE RUNNING SPRINGS WATER DISTRICT
VALLEY VIEW WATER PIPELINE REPLACEMENT PROJECT

NOTICE IS HEREBY GIVEN THAT:

1. The undersigned is OWNER or agent of the OWNER of the interest or estate stated below in the property hereinafter described
2. The FULL NAME of the OWNER is Running Springs Water District
3. The FULL ADDRESS of the OWNER is PO Box 2206, Running Springs, CA 92382
4. The NATURE OF THE INTEREST or ESTATE of the undersigned is:
In Fee
(If other than fee, strike "In fee" and insert, for example, "purchaser under contract of purchase," or "Leasee.")
5. A work of improvement on the properties hereinafter described was COMPLETED January 31, 2024
6. The work of improvement completed is described as follows: Valley View Water Pipeline Replacement Project
7. The NAME OF THE ORIGINAL CONTRACTOR, if any, for such work of improvement is: Altmeyer, Inc.
8. The approximate locations of said properties are: Valley View Drive from Highway 18, Running Spring, CA 92382
9. The properties on which said work of improvement was completed are in the community of Running Springs County of San Bernardino, State of California, and is described as follows: Valley View Drive from Highway 18, Running Spring, CA 92382

Date: _____

Signature of owner
Or agent of owner _____

Ryan Gross
General Manager
Running Springs Water District

**RUNNING SPRINGS WATER DISTRICT
MEMORANDUM**

DATE: February 21, 2024
TO: Board of Directors
FROM: Ryan Gross, General Manager
SUBJECT: CONSIDER AUTHORIZING STAFF TO SUBMIT LETTER TO THE SAN BERNARDINO LOCAL AGENCY FORMATION COMMISSION REQUESTING EXTENSION OF SERVICE FOR GROUND AMBULANCE SERVICES

RECOMMENDED BOARD ACTION

Consider authorizing staff to submit a letter to the San Bernardino Local Agency Formation Commission (LAFCO) requesting an extension of service for ground ambulance services.

REASON FOR RECOMMENDATION

Refer to attached correspondence from LAFCO.

FISCAL INFORMATION

The LAFCO fees and deposits total \$3,568 and would be funded from the Fire Department operating reserve which has a balance of \$1,736,105 as of January 31, 2024.

ATTACHMENTS

Attachment 1 – Email Correspondence

Ryan Gross

From: Martinez, Samuel <smartinez@lafco.sbcounty.gov>
Sent: Monday, January 29, 2024 8:17 AM
To: Ryan Gross
Cc: Tuerpe, Michael
Subject: RE: Reminder
Attachments: 1.a Agency resolution - example.pdf; 1.b Request letter - example.pdf; 2.a Application Form - example.pdf; 2.b Application form.docx; 3. Supporting Docs for RSWD.pdf

Good Morning Ryan,

Sorry for the delay in responding.

The following are required for the application to LAFCO. The application is a request from the District for LAFCO to authorize the District to extend its (ambulance) service beyond its boundary and beyond its sphere of influence pursuant to Gov. Code Section 56133.5.

Below is what your application package would consist of:

1. The District needs to initiate the application via a board resolution or an official letter from you requesting the Commission to authorize the provision of ambulance service outside your boundaries and outside your sphere of influence. Attached to this email is a sample resolution (Attachment 1.a) and the sample letter (Attachment 1.b).
2. Application. Attached to this email is an example of an application (Attachment 2.a) and a blank application form in MS Word (Attachment 2.b). If need help with filling out the application form, let us know.
3. Supporting documents from the service review (Attachment 3), which is a requirement in order to process your application under GC Section 56133.5. This attachment includes a map (Running Springs boundary and sphere, and ambulance Operating Areas), RSWD's portion of the service review, and LAFCO resolution.
4. Fees and Deposits totaling \$3,568, composed of:
 - o Fee: \$1,168
 - o Deposits: \$2,400 for legal counsel, environmental review, Individual Notice. The expectation is a portion of the deposits are refunded.

To give you a better understanding the LAFCO approval process for the pilot program, below are a couple of examples where LAFCO used the same provisions under GC Section 56133.5 -

The first example is a city (City of Big Bear Lake) providing water service outside its boundary and outside its sphere of influence:

https://www.sbcounty.gov/uploads/LAFCO/AgendaNotices/20191016/Item_08.pdf

The second example is a district (IEUA) providing wastewater treatment for the portion collected from the City of Fontana that is currently outside IEUA's boundary and sphere of influence:

https://www.sbcounty.gov/uploads/LAFCO/AgendaNotices/20191120/Item_08.pdf

Feel free to ask us questions and have us review any documents before you submit them.

Thanks,
Sam

Samuel Martinez
LAFCO for San Bernardino County
Phone: 909-388-0480
Direct: 909-388-0489
Fax: 909-388-0481

From: Ryan Gross <rgross@runningspringswd.com>
Sent: Wednesday, January 24, 2024 8:03 PM
To: Martinez, Samuel <smartinez@lafco.sbcounty.gov>
Cc: Tuerpe, Michael <mtuerpe@lafco.sbcounty.gov>
Subject: RE: Reminder

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you can confirm the sender and know the content is safe.

Hi Sam,

Yes we would like to further discuss this matter with you. Please let me know where I can find the application to LAFCO to address this circumstance. I will talk to our current Fire Chief, Andy Grzywa, tomorrow.

Thanks,
Ryan

Ryan Gross, P.E., BCEE
General Manager
Running Springs Water District
rgross@runningspringswd.com

From: Martinez, Samuel <smartinez@lafco.sbcounty.gov>
Sent: Wednesday, January 24, 2024 12:16 PM
To: Ryan Gross <rgross@runningspringswd.com>
Cc: Tuerpe, Michael <mtuerpe@lafco.sbcounty.gov>
Subject: Reminder

Hi Ryan,

I hope all is well.

As you may (or may not) recall, the LAFCO [Countywide Service Review for Fire Protection/EMS/Dispatch](#) back in 2020 identified that the Running Springs Water District provides ambulance service outside of its boundary and sphere of influence. This is a circumstance of its assignment by ICEMA of an Operating Area that, in some cases, do not conform with agency boundaries (and/or spheres). Below is the Commission's determination from the service review for the District. Following the service review, Mike and I discussed with your fire chief at that time about the District initiating an application to address this circumstance, which he seemed to support.

Note: the expiration of the pilot program identified in the report is 2020; however, the legislature extended the pilot program to sunset on January 1, 2026.

3-12 Running Springs Water District

The Inland Counties Emergency Medical Agency ("ICEMA") authorizes the Running Springs Water District to provide ground ambulance services within an Operating Area ("OA"). As a result, the District provides both first responder and ambulance transportation services throughout the OA, which extend beyond its sphere of influence.

LAFCO concludes that this circumstance can be addressed in the context of Gov't. Code §56133.5 - a pilot program, through 2020, for Napa and San Bernardino LAFCOs to authorize a city or district to extend services outside of a boundary and sphere of influence.

LAFCO recommends that the Running Springs Water District submit an application to LAFCO to address this circumstance.

We are aware of the recent approval by the County Board of Supervisors to award CONFIRE Alliance, which the District is a member, the contract to provide ambulance service effective October 2024. It is my opinion that addressing this circumstance via an expiring pilot program afforded to San Bernardino LAFCO would reduce risk and exposure to the District.

Please let me or Mike know if you would like to discuss this further.

Thanks,
Sam

Samuel Martinez
Executive Officer, LAFCO for San Bernardino County
1170 West 3rd Street, Unit 150, San Bernardino, CA 92415-0490
Phone: 909-388-0480
Fax: 909-388-0481
www.sbclafco.org

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RUNNING SPRINGS WATER DISTRICT**MEMORANDUM**

DATE: February 21, 2024

TO: Board of Directors

FROM: Andy Grzywa, Fire Chief
Ryan Gross, General Manager

**SUBJECT: CONSIDER AUTHORIZING PURCHASE OF BACKUP
GENERATOR FOR FIRE STATION 50**

RECOMMENDED BOARD ACTION

It is recommended that the Board of Directors consider authorizing the purchase of an emergency backup power generator to replace the one at Fire Station 50.

REASON FOR RECOMMENDATION

The current backup generator at Station 50 is an aged unit that failed during the 2023 Snowstorm. This unit was already in need of replacement. The purchase of a 26kW unit would allow the use of the critical systems at Station 50 during a power outage (including the exhaust system). The new system will also power the remote gathering system for District meter monitoring on that side of town during a power outage.

BACKGROUND

The current backup generator does not have sufficient power to operate the critical systems at Station 50 for both the Fire Department and Water Department (18kW). The Assistance for Firefighters Grant in 2020 provided funding for a 100% source capture exhaust removal system in accordance with NFPA 1500 to protect the health and safety of the public and Firefighting personnel at Station 50. The addition of this system meant that the current generator would not be able to power and protect the firefighters and public during a power outage. In the short term, Station 50 has been utilizing an undersized mobile generator that the Water District maintains for other District projects. This would free up the current mobile generator to be utilized throughout the District again.

FINANCIAL INFORMATION

Two Estimates were secured for the purchase and installation of a new 26kW generator. Two additional companies were contacted but declined to provide a bid. The recommendation is to award the contract to Universal Power Systems. They are a current provider of generator service throughout the District. They also were the least expensive estimate.

Universal Power Systems – \$18,839.28

Energy Products Experts – \$22,012.73

The current project is expected to be reimbursed by FEMA up to 97% with a potential from CAL OES for an additional 3%.

ATTACHMENTS

Attachment 1 – Universal Power Systems

Attachment 2 – Energy Products Experts



Rick Ellsberry Proposal

Prepared on: 01/03/2024

Prepared by: Brandon Hall

brandon.hall@universalpowersystemsinc.com

Rick Ellsberry

Fire station 50 32151 Hunsaker Way

Running Springs, CA 92382

Phone: (909) 499-0447

r.ellsberry@runningspringsfd.org

UNIVERSAL POWER SYSTEMS INC.

16118 Dartolo Road

RAMONA, CA 92065

+1 (909) 265-6523

brandon.hall@universalpowersystemsinc.com

26 kW

GUARDIAN® SERIES Residential Standby Generators Air-Cooled Gas Engine

Standby Power Rating

G007290-0, G007291-0 (Aluminum - Bisque) - 26 kW 60 Hz

INCLUDES:

- True Power™ Electrical Technology
- Two-line multilingual digital LCD Evolution™ controller (English/Spanish/French/Portuguese)
- 200 amp service rated transfer switch available
- Electronic governor
- Standard Wi-Fi® connectivity
- System status & maintenance interval LED indicators
- Sound attenuated enclosure
- Flexible fuel line connector
- Natural gas or LP gas operation
- 5 Year limited warranty
- Base fascia
- Listed and labeled for installation as close as 18 in (457 mm) to a structure.*

*Must be located away from doors, windows, and fresh air intakes and in accordance with local codes.



Note: CETL or CUL certification only applies to unbundled units and units packaged with limited circuit switches. Units packaged with the Smart Switch are ETL or UL certified in the USA only.

FEATURES

- **INNOVATIVE ENGINE DESIGN & RIGOROUS TESTING** are at the heart of Generac's success in providing the most reliable generators possible. Generac's G-Force engine lineup offers added peace of mind and reliability for when it's needed the most. The G-Force series engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- **TRUE POWER™ ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED** ✓ **NEMA MG1-22 EVALUATION**
 - ✓ **SYSTEM TORSIONAL TESTED** ✓ **MOTOR STARTING ABILITY**
- **MOBILE LINK® CONNECTIVITY:** FREE with select Guardian Series Home standby generators, Mobile Link Wi-Fi allows users to monitor generator status from anywhere in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION:** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at ±1%.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES:** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.



*Assembled in the USA using domestic and foreign parts.

Engine

- Generac G-Force design
- “Spiny-lok” cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system
- EPA Certified for non-emergency applications
- High temperature shutdown

Maximizes engine “breathing” for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help the engine run cooler, reducing oil consumption and resulting in longer engine life.

Rigid construction and added durability provide long engine life.

These features combine to assure smooth, quick starting every time.

Pressurized lubrication to all vital bearings means better performance, less maintenance, and longer engine life. Now featuring up to a 2 year/200 hour oil change interval.

Shutdown protection prevents catastrophic engine damage due to low oil.

Allows unit to be used for demand response applications.

Prevents damage due to overheating.

Generator

- Revolving field
- Skewed stator
- Displaced phase excitation
- Automatic voltage regulation
- UL 2200 listed

Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.

Produces a smooth output waveform for compatibility with electronic equipment.

Maximizes motor starting capability.

Regulating output voltage to ±1% prevents damaging voltage spikes.

For your safety.

Transfer Switch (if applicable)

- Fully automatic
- NEMA 3R
- Integrated load management technology
- Remote mounting

Transfers vital electrical loads to the energized source of power.

Can be installed inside or outside for maximum flexibility.

Capability to manage additional loads for efficient power management.

Mounts near an existing distribution panel for simple, low-cost installation.

Evolution™ Controls

- AUTO/MANUAL/OFF illuminated buttons
- Two-line multilingual LCD
- Sealed, raised buttons
- Utility voltage sensing
- Generator voltage sensing
- Utility interrupt delay
- Engine warm-up
- Engine cool-down
- Programmable exercise
- Smart battery charger
- Main line circuit breaker
- Electronic governor

Selects the operating mode and provides easy, at-a-glance status indication in any condition.

Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences.

Smooth, weather-resistant user interface for programming and operations.

Constantly monitors utility voltage, setpoints 65% dropout, 80% pick-up, of standard voltage.

Constantly monitors generator voltage to verify the cleanest power delivered to the home.

Prevents nuisance start-ups of the engine, adjustable 2-1500 seconds from the factory default setting of 5 seconds by a qualified dealer.

Verifies engine is ready to assume the load, setpoint approximately 5 seconds.

Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every other week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.

Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature. Compatible with lead acid and AGM-style batteries.

Protects generator from overload.

Maintains constant 60 Hz frequency.

Unit

- SAE weather protective enclosure
- Enclosed critical grade muffler
- Small, compact, attractive

Sound attenuated enclosures ensure quiet operation and protection against mother nature, withstanding winds up to 150 mph (241 km/h). Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability.

Quiet, critical grade muffler is mounted inside the unit to prevent injuries.

Makes for an easy, eye appealing installation, as close as 18 in (457 mm) away from a structure.

Installation System

- 14 in (35.6 cm) flexible fuel line connector Listed ANSI Z21.75/CSA 6.27 outdoor appliance connector for the required connection to the gas supply piping.
- Integral sediment trap Meets IFGC and NFPA 54 installation requirements.

Connectivity (Wi-Fi equipped models only)

- Ability to view generator status Monitor generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.
- Ability to view generator Exercise/Run and Total Hours Review the generator's complete protection profile for exercise hours and total hours.
- Ability to view generator maintenance information Provides maintenance information for the specific model generator when scheduled maintenance is due.
- Monthly report with previous month's activity Detailed monthly reports provide historical generator information.
- Ability to view generator battery information Built in battery diagnostics displaying current state of the battery.
- Weather information Provides detailed local ambient weather conditions for generator location.

Generator

Model	G007290-0 G007291-0 (26 kW)
Rated maximum continuous power capacity (LP)	26,000 Watts*
Rated maximum continuous power capacity (NG)	22,500 Watts*
Rated voltage	240
Rated maximum continuous load current – 240 volts (LP/NG)	108.3 / 93.8
Total Harmonic Distortion	Less than 5%
Main line circuit breaker	110 amp
Phase	1
Number of rotor poles	2
Rated AC frequency	60 Hz
Power factor	1.0
Battery requirement (not included)	12 Volts, Group 26R 540 CCA minimum or Group 35AGM 650 CCA minimum
Unit weight (lb / kg)	518 / 235
Dimensions (L x W x H) in / cm	48 x 25 x 29 / 121.9 x 63.5 x 73.7
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	67
Sound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode**	57
Exercise duration	5 min

Engine

Engine type	GENERAC G-Force 1000 Series
Number of cylinders	2
Displacement	999 cc
Cylinder block	Aluminum w/ cast iron sleeve
Valve arrangement	Overhead valve
Ignition system	Solid-state w/ magneto
Governor system	Electronic
Compression ratio	9.5:1
Starter	12 VDC
Oil capacity including filter	Approx. 1.9 qt / 1.8 L
Operating rpm	3,600
Fuel consumption	
Natural gas	ft ³ /hr (m ³ /hr)
1/2 Load	188 (5.32)
Full Load	333 (9.43)
Liquid propane	ft ³ /hr (gal/hr) [L/hr]
1/2 Load	75 (2.06) [7.78]
Full Load	132 (3.63) [13.73]

Note: **Fuel pipe must be sized for full load.** Required fuel pressure to generator fuel inlet at all load ranges - 3.5–7 in water column (0.87–1.74 kPa) for NG, 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft³/hr x 2500 (LP) or ft³/hr x 1000 (NG). For Megajoule content, multiply m³/hr x 93.15 (LP) or m³/hr x 37.26 (NG).

Controls

Two-line plain text multilingual LCD	Simple user interface for ease of operation.
Mode buttons: AUTO	Automatic start on utility failure. Weekly, Bi-weekly, or Monthly selectable exerciser.
MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
OFF	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance messages	Standard
Engine run hours indication	Standard
Programmable start delay between 2–1500 seconds	Standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility adjustable (brownout setting)	From 140-171 V / 190-216 V
Future Set Capable Exerciser/Exercise Set Error warning	Standard
Run/Alarm/Maintenance logs	50 events each
Engine start sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration).
Starter lock-out	Starter cannot re-engage until 5 sec after engine has stopped.
Smart Battery Charger	Standard
Charger Fault/Missing AC warning	Standard
Low Battery/Battery Problem Protection and Battery Condition indication	Standard
Automatic Voltage Regulation with Over and Under Voltage Protection	Standard
Under-Frequency/Overload/Stepper Overcurrent Protection	Standard
Safety Fused/Fuse Problem Protection	Standard
Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown	Standard
High Engine Temperature Shutdown	Standard
Internal Fault/Incorrect Wiring protection	Standard
Common external fault capability	Standard
Field upgradable firmware	Standard

Rating definitions – Optional Standby: Applicable for supplying backup power for the duration of the utility power outage with correct maintenance performed.

* No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046, UL2200, and DIN6271). Maximum kilovolt amps and current are subject to and limited by such factors as fuel BTU/Megajoule content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases approximately 3.5% for each 1,000 ft (304.8 m) above sea level and approximately 1% for each 10 °F (6 °C) above 60 °F (16 °C). **Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters. U.S. EPA certified for non-emergency applications.

26 kW

Switch Options

Service Rated Automatic Transfer Switch Features

- Intelligently manages up to four air conditioner loads with no additional hardware.
- Up to eight additional large (240 VAC) loads can be managed when used in conjunction with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Main breakers are rated for 80% continuous load.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

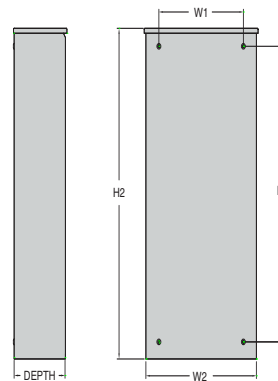
Model	G007291-0 (26 kW)
No. of poles	2
Current rating (amps)	200
Voltage rating (VAC)	120/240, 1Ø
Utility voltage monitor (fixed)*	
-Pick-up	80%
-Dropout	65%
Return to Utility*	Approx. 13 sec
ETL or UL listed	Standard
Enclosure type	NEMA/UL 3R
Circuit breaker protected	22,000
Lug range	250 MCM - #6

*Function of Evolution controller
Exercise can be set to weekly, bi-weekly, or monthly

Dimensions

200 Amps 120/240, 1Ø Open Transition Service Rated					
	Height		Width		Depth
	H1	H2	W1	W2	
in	26.8	30.1	10.5	13.5	6.9
cm	67.95	76.43	26.67	34.18	17.5

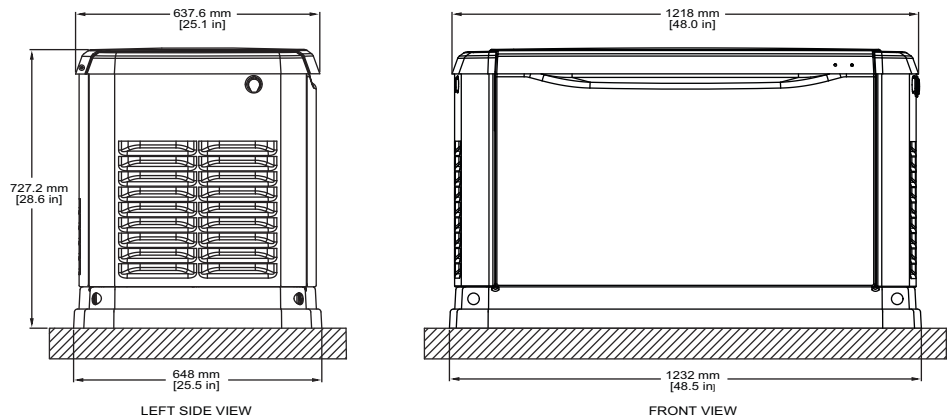
Wire Ranges		
Conductor Lug	Neutral Lug	Ground Lug
250 MCM - #6	350 MCM - #6	2/0 - #14



Model #	Product	Description
G007101-0	Battery Pad Warmer	Pad warmer rests under the battery. Recommended for use if temperature regularly falls below 0 °F (-18 °C). (Not necessary for use with AGM-style batteries).
G007102-0	Oil Warmer	Oil warmer slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Warmer	Breather warmer is for use in extreme cold weather applications. For use with Evolution controllers only in climates where heavy icing occurs.
G005621-0	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load that may not be needed. Not compatible with 50 amp pre-wired switches.
G007027-0 - Bisque	Fascia Base Wrap Kit	The fascia base wrap snaps together around the bottom of the new air-cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.
G005703-0 - Bisque	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.
G006485-0	Scheduled Maintenance Kit	Generac's scheduled maintenance kit provides all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).
G007005-0	Wi-Fi LP Tank Fuel Level Monitor	The Wi-Fi enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in verifying the generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify users when the LP tank is in need of a refill.
G007000-0 (50 amp) G007006-0 (100 amp)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
G007169-0 - 4G LTE G007170-0 - Wi-Fi/ Ethernet	Mobile Link® Cellular Accessories	The Mobile Link family of Cellular Accessories allow users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
G007220-0 - Bisque	Base Plug Kit	Base plugs snap into the lifting holes on the base of air-cooled home standby generators. This offers a sleek, contoured appearance, as well as offers protection from rodents and insects by covering the lifting holes located in the base. Kit contains four plugs, sufficient for use on a single air-cooled home standby generator.

Dimensions & UPCs

Model	UPC
G007290-0	696471087307
G007291-0	696471087314



Dimensions shown are approximate. See installation manual for exact dimensions. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.

Automatic Transfer Switches

Limited Circuit Automatic Transfer Switch



100 Amp, Single Phase, 16 Space, NEMA 3R
Model: RXG16EZA3



Description

This Generac automatic transfer switch is designed to operate with air-cooled generators. This transfer switch has an integrated load center to allow for essential circuit backup. It is especially useful where the main service is large, and only a portion of the building will be served by the generator, or when the main electrical breaker panel is located outdoors. It comes standard with a 16 space breaker panel that can be populated with the appropriate sized breakers needed for any application. This transfer switch is ETL listed. This switch is listed for use with Siemens®, Eaton®, or Square D® one inch breakers. The bottom four breaker spaces will accommodate tandem breakers, making the panel expandable to 24 circuits.

Standard Features

This automatic transfer switch is housed in an all-weather, aluminum NEMA 3R enclosure with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is a ETL recognized device, designed for years of service. The controller on the generator handles all of the timing, sensing and exercise functions. Multi listed for use with 1" standard, tandem, GFCI and AFCI breakers from Siemens, Eaton, and Square D for the most flexible and cost-effective installation. All switches are covered by a 5 year limited warranty.

Contactors Rating

The automatic transfer switch contactor is rated at 250 VAC and is available in a single phase configuration only.

100 Amp, Single Phase, 16 Space

Limited Circuit Automatic Transfer Switches

Functions

All timing and sensing functions originate in the generator controller.

Utility Voltage Drop-out	<60%
Timer to Generator Start	10 Second Factory Set, Adjustable Between 2 - 1,500 Seconds by a Qualified Dealer*
Engine Warmup Delay	5 Seconds
Standby Voltage Sensor	60% for 5 Seconds
Utility Voltage Pickup	>80%
Re-transfer Time Delay	15 Seconds
Engine Cooldown Timer	60 Seconds
Exerciser	Nexus™: 12 Minutes Weekly Evolution™: 5 to 12 Minutes Adjustable, Weekly/Bi-weekly/Monthly
Auxiliary Lock Out Contact	Lock Out a Single Load or Annunciate Generator Transfer Status
The Transfer Switch can be Operated Manually Without Power Applied	

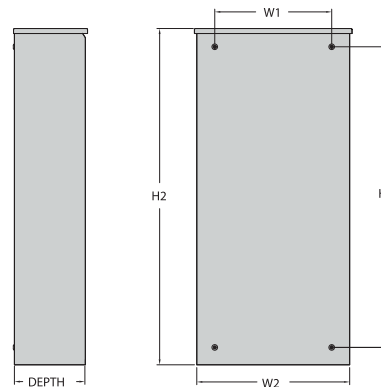
* When used in conjunction with units utilizing Evolution™ controls

Specifications

Model	RXG16EZA3
Amps	100
Voltage	120/240, 1ø
Load Transition Type (Automatic)	Open Transition
Enclosure Type	NEMA 3R
Compliance	cETLus
Withstand Rating (Amps)	10,000
Lug Range	1/0 - #14
UPC Code	696471069907
Tandem Breaker Capabilities	8 Tandems

Dimensions

Model		RXG16EZA3
Height (in / cm)	H1	26.8 / 68.1
	H2	30.1 / 76.5
Width (in / cm)	W1	10.5 / 26.7
	W2	13.5 / 34.3
Depth (in / cm)		6.9 / 17.5
Weight (lb / kg)		39 / 17.69



QTY			Generac items		
	26kW Guardian Air-Cooled Generator, Aluminum Enclosure (Unit Only)				
	Generac's 26kW home standby generator can start all of your home's large appliances, ensuring your home remains a sanctuary for you and your family. The new Guardian Series 26kW has a new alternator design that produces 230LRA or 55.2kVA starting power to meet today's and tomorrow's electrical needs.				
1	Compact with a powerful punch. Takes up to 68% less space*, all while offering 2.6X more power in the same size enclosure as our baseline air-cooled unit. (*compared to competitive output liquid-cooled products)				\$7,047.00
	Save up to \$8,000* in product & installation costs (*Average savings compared to competitive output liquid-cooled products)				
	#1 Trusted Brand in Backup Power With more than 60 years of experience in the backup power industry, it's no wonder why 8 out of 10 home standby generators installed are Generac.				
	16-circuit 100 Amp Load Center ATS – NEMA 3 CUL				
	The NEMA 3R limited circuit transfer switch makes outdoor installation a possibility for the first time even when you're powering just the basics. This switch has 16 circuit spaces but can be expanded up to 24 with tandem breakers.				
1	<ul style="list-style-type: none"> • OUTDOOR INSTALLATION - This 16 circuit switch is the first limited-circuit switch certified for outdoor installation, offering more flexibility and even cheaper installation option in certain areas of the country. • RUGGED ALUMINUM ENCLOSURE - The aluminum enclosure is built to withstand the elements even in the harshest environments. • MULTI-LISTED Listed for use with multiple breaker manufacturers* to lower installation costs. 				\$798.98
	*Listed for use with tandem, GFCI, AFCI and standard 1" breakers manufactured by Siemens, Murray, Eaton/Cutler-Hammer and Square D.				
1	Battery, Group 26R, Wet Service				\$185.00
QTY			Electrical		
10	Master Electrician				\$1,450.00
	Master Electrician				
QTY			Gas		
6	Plumber				\$870.00
	Plumber				
QTY			General		
8	General Labor				\$1,160.00
	General Labor				
QTY			Travel		
1	Delivery Charge				\$500.00
	Delivery Charge				

QTY Shop Materials		
1	General Materials Adder Pull boxes/hardware/connectors	\$986.23
QTY Gas Materials		
5	Gas Fitting Gas Fitting	\$76.90
QTY Gas Materials		
1	2 ft Flex Line 2 ft Flex Line	\$29.99
QTY Conduit - Liquid Tight		
150	1 1/2" Conduit 1 1/2" Conduit	\$1,068.00
QTY Conduit - Liquid Tight		
4	Liquid Tight fittings Liquid tight fittings needed for connections.	\$181.36
QTY Wire		
190	3/3C + 18/6C 8 W/G TYPE TC/TC-ER-JP GENERATOR CABLE BLACK Direct burial/sunlight, 100amp Rated.	\$2,844.30
QTY Conduit - EMT		
20	1 1/2" Conduit 1 1/2" Conduit	\$793.40
QTY Circuit Breakers		
1	100 amp, 2 Pole 100 amp, 2 Pole	\$146.79
QTY Conduit - EMT		
20	Conduit fittings fittings needed to connect conduit to panels/conduit.	\$487.60
QTY Gas Pipe - Black		
1	3/4" Gas Pipe 3/4" Gas Pipe	\$165.87
QTY Gas Materials		

1	3/4" Gas Shutoff Valve	\$47.86
	3/4" Gas Shutoff Valve	

Sub-Total:	\$18,839.28
Discount:	\$0.00
No Charge:	\$0.00
Sales Tax:	\$0.00
Total:	\$18,839.28
Down Payment:	(\$8,030.98)
Balance Due:	\$10,808.30



Michael Scotti (C) Proposal

Prepared on: 10/11/2023

Prepared by: Luis Barajas

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Michael Scotti (C)

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INC.**

43223 Business Park Dr

TEMECULA, CA 92590

+1 (833) 379-4768

generac@epx-group.com

QTY		Generac items	
		26kW Guardian Air-Cooled Generator, Aluminum Enclosure (Unit Only)	
		<p>Generac's 26kW home standby generator can start all of your home's large appliances, ensuring your home remains a sanctuary for you and your family. The new Guardian Series 26kW has a new alternator design that produces 230LRA or 55.2kVA starting power to meet today's and tomorrow's electrical needs.</p> <p>Compact with a powerful punch. Takes up to 68% less space*, all while offering 2.6X more power in the same size enclosure as our baseline air-cooled unit. (*compared to competitive output liquid-cooled products)</p> <p>Save up to \$8,000* in product & installation costs (*Average savings compared to competitive output liquid-cooled products)</p> <p>#1 Trusted Brand in Backup Power With more than 60 years of experience in the backup power industry, it's no wonder why 8 out of 10 home standby generators installed are Generac.</p> <p>200 Amp Service Rated 120/240 1Ø NEMA 3R, 20 – 40 circuit load center</p> <p>200 Amp, 120/240 Volt single-phase service rated automatic transfer switch for indoor or outdoor applications. An integrated 20-40 circuit load center serves outbuilding circuits while pass through lugs feed main distribution or sub panels.</p>	
1			\$6,340.02
		<p>Service Rated Generac Automated Transfer Switches are housed in an aluminum Type 3R enclosure, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is an ETL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. The integrated 20 space load center accepts 1 in (25.4 mm) standard, GFCI, AFCI, or tandem circuit breakers from Siemens, Murray, Eaton, and Square D for the most flexible and cost effective install. Utilizing tandem breakers, the load center can be equipped to support up to 40 individual circuits. All switches are covered by a 5 year limited warranty.</p>	
1			\$1,326.85
1		Surge Protection Device (SPD) 120/240 VAC Single Split Phase	\$125.53
1		5-Year Extended Limited Warranty – Air-Cooled	\$0.00
		Wet Cell Battery - 26R	
1		26R Wet Cell Battery Every standby generator requires a battery to start the system. Generac offers the recommended 26R wet cell battery for use with all air-cooled standby product and liquid-cooled standby product 60 kW and below, excluding the 48 kW.	\$225.63
QTY		Concrete / Gravel	
1		Generator Pad	\$549.00
QTY		Circuit Breakers	
1		Electrical Materials	\$2,098.00
QTY		Gas Materials	
1		Gas Materials	\$1,344.00
QTY		Electrical	

21	Electrical Technician	\$1,995.00
	Electrical Technician	
QTY Electrical		
21	Electrical Assistant	\$1,638.00
	Electrical Assistant	
QTY Gas		
21	Plumbing Technician	\$1,995.00
	Plumbing Technician	
QTY General		
21	Install Labor - General	\$945.00
	General Installation Labor	
QTY Travel		
	Delivery	
1	Shipping & Handling, De-Crate & Inspect + Delivery to Construction Site	\$750.00
QTY Permit		
	Permit - Air Cooled	
1	-Design -Submission -Planset Delivery -Final Inspection	\$1,750.00

Sub-Total:	\$21,082.03
Discount:	\$0.00
No Charge:	(\$130.00)
Sales Tax:	\$930.70
Total:	\$22,012.73
Down Payment:	\$0.00
Balance Due:	\$22,012.73

**RUNNING SPRINGS WATER DISTRICT
MEMORANDUM**

DATE: February 21, 2024

TO: Board of Directors

FROM: Ryan Gross, General Manager
Trevor Miller, Operations Manager

SUBJECT: CONSIDER AUTHORIZING ON-CALL/AS-NEEDED SERVICES
BUDGET FOR SUPERVISORY CONTROL AND DATA
ACQUISITION (SCADA) SYSTEM

RECOMMENDED BOARD ACTION

Consider authorizing on-call/as-needed services budget for SCADA system operation, maintenance and other improvements in the amount of \$100,000 annually to be used only as needed.

REASON FOR RECOMMENDATION

The District has an on-going need for instrumentation, controls and SCADA system integrator services to keep this critically important system operating efficiently and kept up to date. This would be like the arrangements we have with other consultants for which there is an on-going need such as legal services (BB&K), information technology (Computer Options) and accounting services (RAMS).

BACKGROUND INFORMATION

On November 17, 2022, the Board of Directors approved a professional services agreement with SCADA Integrations in the amount of \$14,500 to replace the SCADA front end processor (FEP). It was assumed at that time that the previous SCADA integrator would cooperate and provide the necessary documentation, which they did not.

The original FEP upgrade estimate of 100 hours comprised the installation, configuration, and programming of the M340 PLC and then integrating it into an otherwise well-functioning system. It was known that there would be Wonderware addressing updates for the new PLC, to be based off the documentation provided with the existing system. As things proceeded there were various challenges that were experienced. The quote for the FEP was based on the understanding that existing documented code would be used. The District pursued this with the original SCADA integrator and they would not provide it. This lack of documentation significantly extended efforts across the project and will result in approximately \$60,000 of additional out of scope work including the following:

FEP: Reverse Engineering undocumented systems	100 hours	\$14,500
FEP: Testing/Confirmation of undocumented tables	50 hours	\$7,250
FEP: Re-Addressing of undocumented schema	55 hours	\$7,975
FEP: Onsite verification and testing of tag read/writes	54 hours	\$7,830
Radio and Serial Communications	158 hours	\$22,910
Prior Performance: below expectations/representations	50.5 hours	\$7,322
SCADAPack: Documentation and Modifications	68 hours	\$9,860
Time Since Update (TSU)	39 hours	\$5,655
TOTALS	574.5 hours	\$83,302.50
Negotiated Credit for Radio and Serial Communications Effort	-158 hours	-\$22,910
Other Negotiated Credit		-1,000
TOTAL ADDITIONAL EFFORT	416 hours	\$59,392.50

Please refer to Attachment 1 which includes the FEP replacement audit results.

FISCAL INFORMATION

If approved, the additional \$59,392.50 and the annual \$100,000 as-needed on-call services will be funded out of the water and wastewater Capital Improvement Project reserve funds.

Some of the next SCADA system improvement work that needs to be done includes replacing the aging programmable logic controllers (PLCs) and ultrasonic level monitoring devices at the sewer pump stations.

ATTACHMENTS

Attachment 1 – SCADA Integrations FEP Replacement Audit Results Memo

6965 El Camino Real Suite 105-109, Carlsbad, California 92009
 E-Mail: Mark@ScadaIntegrations.com
 951.541.1575

January 2, 2024

SUBJECT: FEP (FRONT END PROCESSOR) REPLACEMENT AND AUDIT RESULTS

The pending failure of the L3000 FEP showed that there was a lot of foresight on the part of the district regarding its replacement.

Summary:

The original FEP upgrade estimate of 100 hours comprised the installation, configuration, and programming of the M340 PLC and then integrating it into an otherwise well-functioning system. It was known that there would be Wonderware addressing updates for the new PLC, to be based off the documentation provided with the existing system. As things proceeded there were various challenges that were experienced. Our efforts between in scope and out of scope items have been reconciled in the audit below.

Item	Description	Hours	Amount
1	FEP: Reverse Engineering undocumented systems	160	\$ 23,200
2	FEP: Testing/Confirmation of undocumented tables	80	\$ 11,600
3	FEP: Re-Addressing of undocumented schema	60	\$ 8,700
4	FEP: Onsite verification and testing of tag read/writes	59	\$ 8,555
5	Radio and Serial Comms	111	\$ 16,095
6	Prior Performance: below expectations/representations	50.5	\$ 7,323
7	SCADAPack: Documentation and Modifications	68	\$ 9,860
8	TSU (Time Since Update)	39	\$ 5,655
Total:		627.5	\$ 90,988

FEP (FRONT END PROCESSOR)

The quote for the FEP was based on the understanding that existing documented code would be used. The district pursued this with the original integrator and they would not provide it to Running Springs. This lack of documentation *significantly* extended efforts across the project.

- Documented code was crucial due to the complex approach of table handling within the L3000. Consequently, our team had to reverse engineer the

addressing by using the Wonderware as much as possible and then evaluating the functions based on structure.

- There were numerous connectivity issues with the pre-existing system. We were not able to remotely connect to the devices and frequently had to physically go and connect directly to the equipment at each individual site. The need to validate the undocumented and reverse-engineered code further extended these efforts.
- System latency (of 2+ minutes!) between Wonderware generated commands made it difficult to test the accuracy of data exchange between the devices and the SCADA system. Additionally, testing of data accuracy between SCADA, TOPServer, FEP, and SCADAPacks took an extensive amount of time given the lack of documentation.
- The proprietary L3000 PLC had an undocumented code base that segregated devices internally by node. Consequently, the structures involved had to be deciphered to build similar numeric designations across sites. Reverse engineering this for the M340 PLC required all tags needed, to be completely readdressed, tested and validated into new data tables and tested for functionality.
- New logic had to be created and tested to accommodate for the differences in functionality between the undocumented L3000 custom code modules and the M340.
- Due to time delays and new addressing, tag reads and writes needed to be verified at each site. This was a tedious and lengthy process, but it needed to be done properly validate the reverse-engineered code.

In summary, the task was to replace the proprietary L3000 with a new FEP that could serve as a central communications lead, be reliable, and crucially, be open source to avoid single vendor lock in. The rigorous testing and reverse-engineering performed by SCADA Integrations to deliver on this goal involved overcoming existing issues. Legacy hardware infrastructure failures during the project further complicated these efforts, as potentially undocumented software sources of error had to be eliminated at each step of the project, which identified said hardware issues.

RADIO & SERIAL COMM SUPPORT

The failure of the L3000 was first preceded by erratic behavior. This manifested as unexpected behavior (lag, instability, etc.) when switching between the M340 test and back to the original configuration. This would often require several hours to re-establish communications to the original system. Our team was asked, on multiple occasions, to support what seemed to be unexpected radio system issues.

- This was further complicated by the fact that during tests using the ethernet configuration the entire network went down. This seemed to be tied to the configuration changes that had been made. Even though the configuration was reverted, the failure persisted. After multiple days of troubleshooting, it was determined that the head end radio was failing/had failed and was the culprit.
- Other attempts to work around this behavior (due to the failing L3000), at MDS support's suggestion, included a substantial rework to shift communications from the planned ethernet protocol to serial data passing, which required additional efforts that were not previously quoted.

In summary, a head end radio failure coupled with what appeared to be intermittent radio system issues, but which was due to the impending failure of the L3000, led to out-of-scope "radio" support efforts in excess of the estimate for the entire original project.

PERFORMANCE

- Excess latency in the pre-existing system (2-3+ minutes per update cycle) further complicated diagnostics. Properly assessing the performance required connecting across several devices. This was again a tedious and lengthy process that had to be repeatedly done from each node.
- It was not until after an extensive effort had gone into enhancing the performance that documentation became available that showed that the

original system often had far poorer performance than originally stated.

RTU Name	Status	Delay (Sec)	PLC to SCADA %	TSU
LIFT 1 RTU8	ENABLED	600	100	181
LIFT 2 RTU9	ENABLED	600	97	179
LIFT 3 RTU10	ENABLED	600	61	49
LIFT 4 RTU11	ENABLED	600	56	52
LIFT 5 RTU7	ENABLED	600	100	148
LIFT 6 RTU13	ENABLED	600	41	142
LIFT 7,8,9 RTU14	ENABLED	600	1292	149
ROWCO RTU2	ENABLED	600	350	177
LURING RTU3	ENABLED	600	160	162
NOB HILL RTU4	ENABLED	600	40	150
NORDIC RTU5	ENABLED	600	2970	81
ENCHANTED RTU6	ENABLED	600	242	145
PS9 RTU12	ENABLED	600	1295	51
RIMWOOD TK RTU20	ENABLED	600	2750	47
RIMWOOD PS RTU21	ENABLED	600	208	46
RTU99	ENABLED		Run	68

- Working around these pre-existing issues required untangling the undocumented system, changes in scripting, and for changes to be made on SCADAPacks as well as the M340 and SCADA. This was not accounted for in our original quote, which was based on a well-functioning, intact, and documented system.

In summary, the system had performance levels below those originally represented/expected, with frequent delays in communication. The lack of documentation of all coding, scripting, and configurations across the SCADA, radios, TOP Server, RTUs, and FEP needed to be audited to identify those issues.

SCADAPACK MODIFICATIONS

- Due to the structure of communication of the old and new layout, the data transmission between the RTUs (Remote Telemetry Units) and the FEP

needed to be changed, reprogrammed, and tested to reach a balanced communication between the WW (Wonderware) and RTUs.

- There were substantial changes required for remapping of data tables into contiguous ranges and testing of individual points. These efforts were also complicated by the lack of documentation.

In summary, SCADAPack program code modifications were not in scope. It was subsequently determined that with the existing structure many read and write blocks would have had to be used in order to get all of the necessary data across from all of the RTUs back to the SCADA. Reorganizing the data in each SCADAPack to minimize read and write blocks ensured better transmission integrity and speed, despite the sub-par existing network.

TSU (Time Since Update)

- The existing TSU relied on very complex scripting between Wonderware and the undocumented L3000. The TSU had customized scripting and functionality that was overly reliant on proprietary features and the specific implementation on this L3000. It was found that this approach also affected the performance of the SCADA. To recreate the same functionality or similar, it needed to be assessed from the original undocumented code and reprogrammed and fully tested.

We evaluated the WW side of the scripting extensively and found that recreating that dependency would have required even more out of scope reverse engineering efforts. The TSU functionality has instead been implanted directly in the M340 and can be added to the SCADA system as part of a change order, if desired.

CONCLUSION

There have been challenges, and we have worked through them. We did not let anything keep us from moving forward to a solution. It was very fortunate that the district had us pursue replacement of the L3000. Not only does it make it so that things are now on the new Wonderware workstation and sites can be added, it also overcame an unexpected complete failure of the existing L3000 (and the head end radio). Critically, the district is no longer subject to vendor lock-in.

The original quote was \$14,500, which is 100 hours. We have expended over 600 hours valued at ~\$91,000. We would like to find a way to work out an agreement to recoup a satisfactory amount of these costs over an agreed period of time.

It would have been far better for us to walk away from the job, but that's not how we do things. We stuck with it until getting a success. We now ask consideration for what was done above and beyond the original quote.

We appreciate the opportunity to discuss this further,

A handwritten signature in black ink that reads "Mark Maxfield". The signature is written in a cursive, flowing style.

Mark Maxfield, President
SCADA Integrations



6965 El Camino Real Suite 105-109, Carlsbad, California 92009
 E-Mail: Mel@ScadaIntegrations.com

**FIXED
 PRICE
 QUOTE**

Customer: **Running Springs Water District**
 Address: 31242 Hilltop Blvd
 City, State, Zip: Running Springs, CA 92382
 Attention: Trevor Miller
 Quote no: 2024_0124 reconcillation
 Ref: FEP (FRONT END PROCESSOR) REPLACEMENT AND AUDIT RESULTS

Item	Description	Each	Price
<p>The original FEP upgrade estimate of 100 hours comprised the installation, configuration, and programming of the M340 PLC and then integrating it into an otherwise well-functioning system. It was known that there would be Wonderware addressing updates for the new PLC, to be based off the documentation provided with the existing system. As things proceeded there were various challenges that were experienced. Our efforts between in scope and out of scope items have been reconciled in the audit below.</p>			
1	FEP: Reverse Engineering undocumented systems	100.00	\$14,500.00
2	FEP: Testing/Confirmation of undocumented tables	50.00	\$7,250.00
3	FEP: Re-Addressing of undocumented schema	55.00	\$7,975.00
4	FEP: Onsite verification and testing of tag read/writes	54.00	\$7,830.00
5	Radio and Serial Comms	158.00	\$22,910.00
6	Prior Performance: below expectations/representations	50.50	\$7,322.50
7	SCADAPack: Documentation and Modifications	68.00	\$9,860.00
8	TSU (Time Since Update)	39.00	\$5,655.00
	Total Hours	574.50	\$83,302.50
	Credit: Line item #5 -Radio and Serial Comms	-158.00	-\$22,910.00
	Good will Credit		-\$1,000.00
			\$59,392.50

Terms: **Goods - NET: 15 days, Services - NET: 30-days**
 Delivery: **As Required**
 Origination Date: **January 29, 2024**
 Estimate Valid: **Calendar year 2024**
Thank you for the opportunity to quote your requirements.

Mel McRoberts
 Mel McRoberts

RUNNING SPRINGS WATER DISTRICT

MEMORANDUM

DATE: February 21, 2024

TO: Board of Directors

FROM: Trevor Miller, Operations Manager
Ryan Gross, General Manager

SUBJECT: CONSIDER AUTHORIZING WATER AND WASTEWATER DEPARTMENT EXPENDITURES

RECOMMENDED BOARD ACTION

Consider authorizing staff to proceed with the following expenditures:

1. Purchase 4 replacements and 1 spare ultra sonic level controllers for Green Valley Lake (GVL) sewer lift station's - \$17,500.
2. Purchase spare wastewater treatment plant (WWTP) equalization (EQ) basin pump - \$8,000.
3. Purchase replacement drum screen trunnion wheels - \$5,621.60
4. Purchase 3 utility vehicles: 1 full size truck, 2 midsize trucks and ancillary equipment for Water and Wastewater Department - \$163,320.
5. Purchase Iconic-x Aluminum Truck Pack for full size utility vehicle – \$18,000.

REASON FOR RECOMMENDATION

1. The existing ultra sonic level transducers are 22 years old and 2 of them have failed since we took over GVL.
2. The spare WWTP EQ pump is needed as a backup in the event that one of the EQ pumps fails.
3. The replacement drum screen trunnion wheels are needed to repair and upgrade the drum screen at the WWTP.
4. To replace 1 Water Department utility vehicle, 1 Wastewater Department utility vehicle and add 1 full size utility vehicle to the Water Department.
5. Aluminum Truck Pack – This item is for the new full size utility vehicle to secure and protect the tools, equipment and materials stored on the vehicle, needed for water leak repairs, preventative maintenance and new water service installations.

BACKGROUND INFORMATION

Ultra Sonic Level Controller Replacement – The ultra sonic level controllers that are at the 4 Green Valley Lake wastewater lift stations have been in service for approximately 22 years. These ultra sonic level controllers control the lift station pump's on and off events through the programable logic controller (PLC). They can also be used to control the pumps directly in the event of a PLC failure. If the ultra sonic level controllers fail, the lift station needs to be operated in manual mode until it can be replaced. As of the date of the memo, 2 of the 4 ultra sonic level controllers have failed. The failed controllers have been replaced with surplus devices from the wastewater treatment plant.

Equalization Basin Spare Pump – This pump will be used as a back up pump for either of the 2 EQ basin pumps at the WWTP. These pumps are used to pump the primary effluent from the EQ basin up to the membrane bioreactor (MBR) treatment process. The EQ basin is the second step in the wastewater treatment process and is used to maintain the designed hydraulic performance of the MBR treatment process. It does this by smoothing out the high and low daily influent flow which provides a more consistent flow to the MBR.

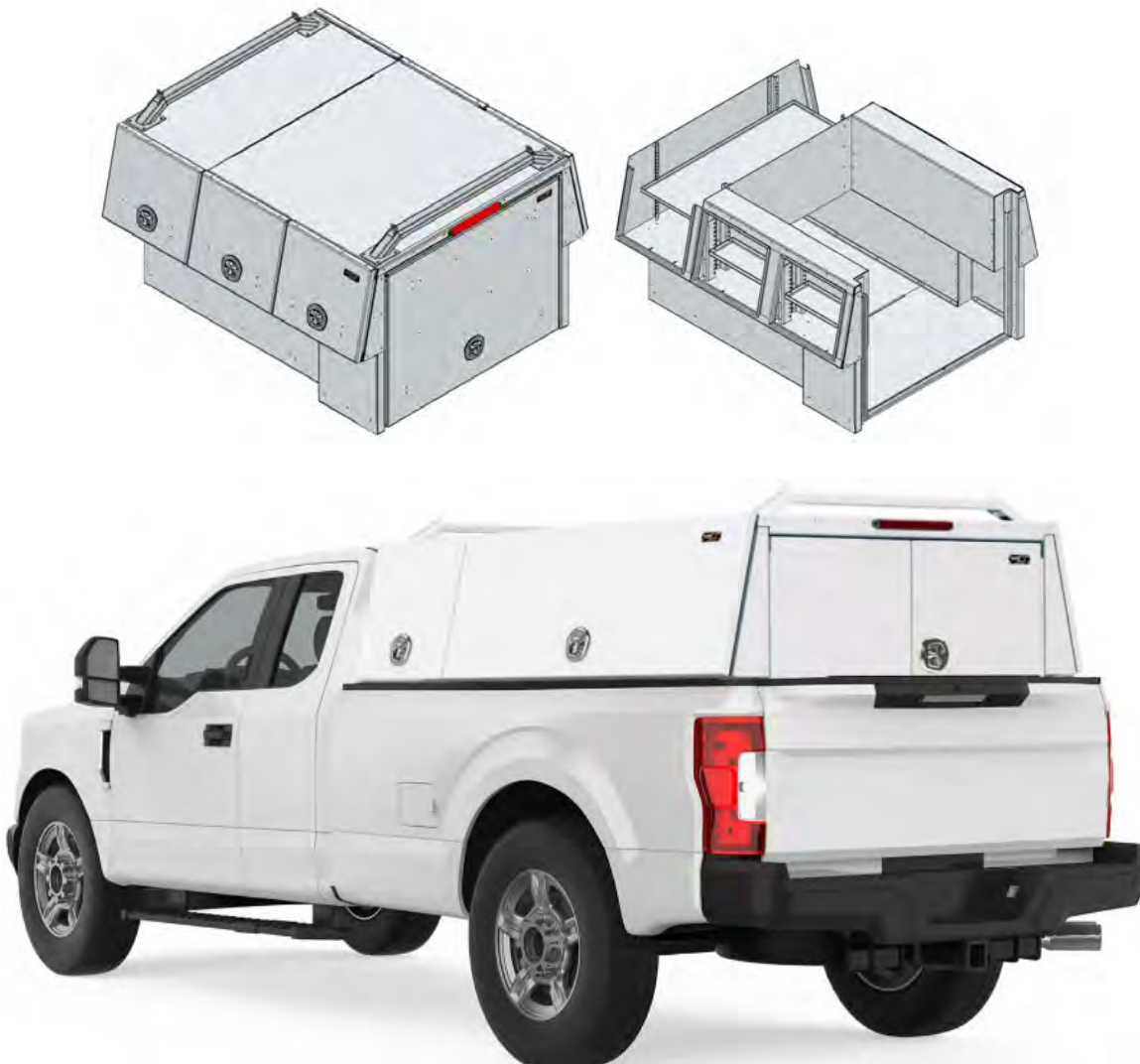
Drum Screen Trunnion Wheels – These new upgraded trunnion wheels are needed to replace the failed trunnion wheels for the Drum Screen at the WWTP. The drum screen is used to remove inorganic debris and trash from the primary effluent before it enters the MBR. This piece of equipment is critical to the performance of the MBR by ensuring that the inorganic debris and trash are removed to prevent clogging and mechanical damage to the actual membrane modules in the MBR basins.

Utility Vehicles – The 2 midsize utility vehicles that are being replaced are both 2007 Ford Rangers. Mileage on the Water Department vehicle is 77,525 and 62,644 miles on the Wastewater Department vehicle. The Water Department vehicle needs repairs that exceed the auction value of the truck, and it has the most miles of the 2 rangers so there is no repurposing benefit. The Wastewater Department ranger will be repurposed and used for the weekly and as needed site visits to the treated wastewater effluent disposal ponds.

The full-size vehicle will be configured as a service truck for the Water Department. Having this vehicle will help improve the efficiency of repairs, maintenance and new water service installations by reducing the time needed to prepare for them. The current practice involves loading a truck with the all the equipment and specialty tools needed for the specific task that will be performed. This service truck will have all the tools, materials and equipment on board that would be needed for an emergency water leak repair as well as preventative maintenance and new water meter installations. The time needed to load out another utility vehicle will be eliminated.

Iconic-X Aluminum Truck Pack - This purchase is for a drop in truck pack that will convert the standard pick up bed into a service body with compartments, locked and covered storage, and pull-out tray for equipment storage. Because of the intended purpose of the new full size utility vehicle and wanting to have all the materials, tools and equipment on one vehicle, some type of storage unit is needed. This unit was chosen

because it has a large, covered area for equipment storage, is modular and drops in to the existing pickup bed and is made of corrosion resistant aluminum.



FISCAL INFORMATION

Wastewater Department:

- 4 replacements and 1 spare ultra sonic level controllers for Green Valley Lake Sewer Lift Station's – \$17,500. The Siemens MultiRanger 200 is the unit required and only one quote from the sole source supplier is included in Attachment 1.
- Spare WWTP EQ basin pump – \$8,000. Three quotes are included in Attachment 2
- Replacement drum screen trunnion wheels – \$5,621.60. Parkson is the only supplier and the quote is included in Attachment 3.

- Utility vehicle – \$50,000 (shared cost 50% Green Valley Lake, 50% Running Springs).

The total for Running Springs Wastewater Department purchases is \$38,621.60. If approved, the funding source for the Wastewater Treatment Plant expenditures would be from the Wastewater Capital Improvement Reserve Fund which has a balance of \$2,704,205.

The Green Valley Lake purchase of \$42,500 will be funded out of the GVL Capital Improvement Reserve Fund which has a balance of \$2,730,628.

Water Department:

- 1 mid size utility vehicle – \$50,000
- 1 full size utility vehicle – \$63,320
- Iconic-X Truck Pack – \$18,000

Total for Water Department purchases is \$131,320. If approved, the funding source for the Water Department expenditures would be from the Water Department Capital Improvement Reserve Fund which has a balance of \$1,611,760.

Staff is in the process of obtaining fleet pricing from various dealerships for the pickup trucks and will choose the lowest cost vehicle that meets the needs of the District.

ATTACHMENTS

- Attachment 1 - Level Controllers Quote
- Attachment 2 - Spare EQ Pump Quotes
- Attachment 3 - Drum Screen Trunnion Wheels Quote



QUOTE#:PONQ58615-1

DATE: Feb 9, 2024

Your Local Representative for ...

22901 Savi Ranch Pkwy, Suite B Fax: (714) 998-9083
 Yorba Linda, CA 92887 info@pontonind.com
 Tel: (714) 998-9073 www.pontonind.com



~Featured Item~

Sold to:
 Running Springs WWTP
 Trevor Miller
 31242 Hilltop Blvd
 Running Springs California, 92382

 Business Phone: 909-867-3689
 Direct Line:
 Email: TMiller@runningspringswd.com

Quoted by	Est. Lead Time	F.O.B	Ship Via	Terms
Emilia Terry	1-2 Weeks ARO	Factory	Best Way	Net 30

Project Name: Project ID:

ADDRESS PO TO: Siemens Industry

Line No	Product Details	Qty	Unit Price	Ext. Price
1.	Siemens MultiRanger 200 HMI 7ML5033-2DA00-2A MultiRanger 100/200 Ultrasonic level controller: continuous, non-contact, 15 m (50 ft) range. Monitors level, volume, and open channel flow in liquids, slurries, and solids. 2 Versions: MultiRanger 200, level, volume, flow and differential measurements D Mounting, enclosure design: 4 button HMI, Wall mount, standard enclosure A Input voltage: 100 to 230 VAC 0 Number of measurement points: Single point version 0 Data Communications (Smartlinx): Without module 2 Output relays: 6 relays (4 Form A, 2 Form C), 250 V AC A Approvals: General Purpose, CE, FM,CSA US/C,UL, listed, RCM,EAC,KCC	4	\$ 2,401.00	\$ 9,604.00
2.	Siemens XRS-5 - 10M 7ML1106-1BA20-0A EchoMax XRS-5 Ultrasonic level transducer: continuous, non-contact, 8 m (26 ft) range, for liquids and slurries. 1 Mounting thread: 1" NPT (Taper), ANSI/ASME B1.20.1 B Cable length: 10 m (32.81 ft) A Facing: Standard (CSM rubber) 2 Approvals: FM Class I Zone 1, ATEX II 2GD, CSA Class I Div. 2, SAA Ex s Class I Zone 1 & DIP Practice A Zone 20 0 . 0 . A Flange: Without mounting flange	2	\$ 739.00	\$ 1,478.00
Sub Total				\$ 11,082.00
Tax				\$ 0.00
Adjustment				\$ 0.00
Grand Total				\$ 11,082.00

ADDRESS PO TO: Siemens Industry

Notes: Due to long and universal supply chain delays caused by COVID-19, lead times may be extended without notice.

All quoted lead times are estimated.
 1. Standard shipping is no charge.

ATTACHMENT 2



PROCESS AND PUMP EQUIPMENT

2115 S Hellman Ave Unit H | Ontario CA 91761 | 909 923 9809

****Due to ongoing supply chain issues and unstable costs of raw materials pricing is subject to change without notice.***

Bill To:

RUNNING SPRINGS WATER DISTRICT
PO BOX 2206
RUNNING SPRINGS, CA 92382

Ship To:

RUNNING SPRINGS WATER DISTRICT
31242 HILLTOP BLVD
RUNNING SPRINGS, CA 92382

Quote

Quote # 48117
Date 11/29/2023
Sales Person MG
Written By Mina Beshara
Terms Net 30
Freight PREPAID & ADD

Project

Part Number	Qty	Description	Unit	Total
115-00531	1	SULZER ABS XFP150E-CB 1.5-PE75/4-60FM460:15, SUB. SEWAGE WET- PIT PUMP, 10HP, 3/60/460V, 1780RPM, 1-VANE CB PLUS IMPELLER, 49' CABLE LENGTH.	7,415.90	7,415.90T
FREIGHT	1	FREIGHT TBD PREPAID&ADD LEAD TIME: 1-2 WEEKS + TRANSIT TIME	0.00	0.00

CLSB 487325 CAGE 6U1W7 DIR 1000441272

Sales Tax (7.75%)

\$574.73

(A 3.5% SURCHARGE WILL BE ADDED TO ALL CREDIT CARD PAYMENTS)

Total

\$7,990.63

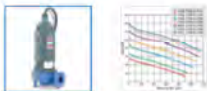
ALL SALES SUBJECT TO TERMS AND CONDITIONS AT WWW.BRAXCOMPANY.COM

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Back to overview



+ Hover to zoom | Click to enlarge



Goulds 4NS Sewage Pump, 10hp, 3ph, 460V, 1750rpm, 4NS12L4KC

Item number	31344
Brand Name	Goulds Pumps
Catalog Page	1178
Net weight	455

\$11,246.²⁰ price per each
excl. tax

Call for availability

- 1 +

Add to cart

[Add to Order Template](#) [Add to wish list](#)

Need Help? Call 800-548-1234

Product Details

- Ideal alternative to Flygt submersible sewage pumps
- Handles solids up to 3"
- Flows up to 1160 gpm



**Xylem Water Solutions USA, Inc.
Flygt Products**

January 16, 2024

11161 Harrel Street
Mira Loma, CA 91752
Tel (951) 332-3668
Fax (951) 332-3679

Running Springs Water District
31242 Hilltop Blvd
Running Springs CA 92382

Quote # 2024-LAB-0029
Project Name: Running Springs Water District
Job Name:

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

A Flygt Preventive Maintenance Contract is available for this order. Please contact XXX for more information.

Flygt 3127.

Qty	Part Number	Description	Unit Price	Extended Price
2	3127.070-0004	Flygt Model NP-3127.070 6" volute Submersible pump equipped with a 460 Volt / 3 phase / 60 Hz 10 HP 1750 RPM motor, 438 impeller, 1 x 50 Ft. length of SUBCAB 4G6+2x1,5 submersible cable, FLS leakage detector, volute is prepared for Flush Valve	\$ 13,940.85	\$ 27,881.70

Total Price \$ 27,881.70

Freight Charge \$ 1,437.00

Total Price \$ 29,318.70

Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xylem.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.





Quote Number 00036927
Tom Shoopman
Running Springs Water District-AWP
Phone: 909-867-3689
Email: tshoopman@runningspringswd.com

Date Issued: 2024-02-01

Expiration Date: 2024-04-01

Thank you for your inquiry for Parkson Aftermarket parts. Below is the quote for the items requested. You may accept this quotation as your order by completing the fields and submitting or download as a PDF for processing through your purchasing team. If this is your first order in a while, please provide the billing and shipping info below. Please consider this email plus the link below to our Terms & Conditions to be the complete quotation.

Project Number 340400 HRS6072DV

Please verify this project (serial) number is accurate for this order.

Item Number	Product	Quantity	Price	Total Price
4025-075/A6	Trunnion Wheel Subassembly, Nylon Wheel, Greaseable, In Board SS Bearings, Shaft Mounted Lip Seals, Replaces 4025-014/A4 IN/S324-003	4	\$755.00	\$3,020.00
1227-047/6	Trunnion Wheel Shaft, Needed for New Wheel	4	\$464.00	\$1,856.00
HOW	Hardware Keeper Plates and Fasteners, 1 Each 1164-030 & 031, 4 Each 3016-009/18, 3024-002/18 & 3025-002/18	4	\$36.00	\$144.00

Please include a copy of your Tax-Exempt Certificate if the order is Not Taxable.

Total \$5,020.00

Schedule and Shipping

The above items have a leadtime of **In Stock**. Our freight terms are **Prepay and Add**. The FOB Point for this order is **Shipping Point**.

Please advise of your shipping preference:

International Orders are quoted as EX-WORKS, per Incoterms, 2020 with a pick up location in Vernon Hills, IL.

Thank you for the opportunity to present our quotation.
We look forward to working with you.

**RUNNING SPRINGS WATER DISTRICT
MEMORANDUM**

DATE: February 21, 2024
TO: Board of Directors
FROM: Ryan Gross, General Manager
SUBJECT: CONSIDER APPROVING PROFESSIONAL SERVICES AGREEMENT FOR CEQA STUDY AT NEW VEHICLE AND EQUIPMENT STORAGE BUILDING SITE

RECOMMENDED BOARD ACTION

Consider approving a professional services agreement with Tom Dodson & Associates to complete the necessary California Environmental Quality Act (CEQA) study for the proposed new vehicle and equipment storage building at the Harris property.

REASON FOR RECOMMENDATION

CEQA is required for this project.

FISCAL INFORMATION

If approved, the project would be funded from the water and wastewater capital improvement reserve fund as well as the Fire Department operating reserve.

ATTACHMENTS

Attachment 1 – Proposal (to be provided at Board meeting)