



September 22, 2018

Letter: 2018 Digester 1 SCADA.DOCX

Chandrasekar Venkatraman  
City of Rialto Water Reclamation Facility  
501 E. Santa Ana Ave  
Bloomington, CA 92316

Phone: 909-820-3771  
Mobile: 909-341-8246

Subject: **Rialto Wastewater Treatment Facility**  
Digester #1 SCADA Programming Quotation

CV,

Thank you for this opportunity for *Prime Systems Industrial Automation, Inc.* to present the following quotation for the new Digester #1 SCADA Programming.

*Prime Systems Industrial Automation, Inc.* prides itself on being responsive to our customer's needs. With no formal marketing or sales force, *Prime Systems Industrial Automation, Inc.* relies completely on customer repeat business and "word of mouth" recommendations. With this marketing strategy, we have continued to grow our customer base and support our existing customers with the high quality work standards they have come to expect from our professional services.

*Prime Systems Industrial Automation, Inc.* has a proven track record for many installed PLC based control systems, similar to your systems. If there is any interest in seeing one of these installations, or contacting a current client, please let us know.

We appreciate the opportunity to support you in your Control System and Automation needs and we look forward to demonstrating our reputation for quality work done in a timely manner. If there is anything we can do to assist you, please don't hesitate to contact me at our office.

Sincerely,

Marc Smith  
President  
Prime Systems Industrial Automation, Inc.



**Scope of Work:**

This quotation is submitted to summarize the cost associated with the new Digester #1 SCADA Programming at the Veolia WRF, Bloomington, CA.

The Scope of Work for this quotation is to provide Allen Bradley PLC and Rockwell Software RSView32 programming support to add Digester #1 to the existing RSView32 SCADA System. This task consists of adding the following instruments to the existing (non-active) Digester #1 SCADA Screen:

1. Five (5) Temperature Signals
2. Two (2) Sludge Level Signals
3. Four (4) Pressure Signals
4. One (1) LEL Signal
5. One (1) Air Flow Signal

This Scope of Work includes on-site support for testing the above listed signals, programming the PLC for signal scaling, and RSView32 programming to display signals.

The project cost is quoted and itemized as follows:

**1. Labor..... \$4,200**

*Prime Systems Industrial Automation, Inc.* will provide on-site programming, service and support as detailed in the Scope of Work above.

---

*The project cost is quoted as a Fixed Fee: \$4,200*

---

The payment schedule for this project is as follows:

- |  |      |
|--|------|
| 1. Final Payment (due at project completion) | 100% |
|--|------|

**All invoices are due and payable on net 30-day terms.**

This quotation is good for 30 days at which time we will requote as required.

*Prime Systems Industrial Automation, Inc.* billing rates are as follows:

In-office Labor	\$168/hour
Out-of-office Labor (4-hour minimum)	\$168/hour
After-Hours & Saturday	1.5 x rates above
Sundays & Holidays	2 x rates above
Travel Time	Travel time is billed at the rates above
Travel Mileage	Current IRS business mileage travel rate

**Terms and Conditions:**

1. This quotation is for programming labor only.
2. This quotation does not include any materials, equipment, instruments, and/or hardware.
3. This quotation does not include electrical services, wiring, and/or wiring terminations.
4. All instruments must be installed, plumbed, wired, and calibrated by others prior to *Prime Systems Industrial Automation, Inc.* arrival on-site.
5. All signals and instruments are for SCADA display only. No control logic, logic sequences, functional operational logic, etc. required to be developed for these signals.

---

***Prime Systems Industrial Automation, Inc.***

8875 Burlington Circle | Riverside, CA 92508 | Tel: 951.656.7139 | FAX: 951.656.8139



6. This quotation does not include adding new SCADA Screens. This quotation consists of updating the existing Digester #1 screen to be functional and display the instrumentation detailed above.
7. Based on our September 17<sup>th</sup> meeting, all instruments are currently wired to the PLC but not active. New instrumentation will be purchased and installed (by others) to replace the existing instruments that have been nonfunctional for five (5) years. No new PLC I/O will be required. No PLC I/O wiring support will be required.
8. This quotation includes two (2) site visits only. If additional site visits will be provided at an additional cost based on billing rates detailed above.
9. *Prime Systems Industrial Automation, Inc.* will require two (2) weeks prior notification to schedule the on-site support.
10. This quotation assumes that all work will be done during normal work hours (no weekend, holidays, or after hours).
11. Any clarifications, modifications and/or additions to the Scope of Work as detailed in the above referenced documents will be evaluated for cost impact. Additional effort will be quoted separately and must be approved prior to *Prime Systems Industrial Automation, Inc.* commencing work.
12. *Prime Systems Industrial Automation, Inc.* standard work hours are Monday – Friday 8:00 AM – 5:00 PM. Any work outside these standard work hours is considered overtime/after-hours/weekend/holiday and is billed at the appropriate rate as identified above.

I hope this quotation is responsive to your needs and I look forward to demonstrating our reputation for quality work done in a timely manner. We appreciate the opportunity to work with you on this project and to support you in your automation and control system needs. If you have any questions, please don't hesitate to call me at our office, 951-656-7139.

Sincerely,

Marc Smith  
President  
*Prime Systems Industrial Automation, Inc.*



# DAVIS ELECTRIC, INC.

P.O. Box 458 Yucaipa, CA 92399 Phone (909) 446-0054 FAX: (909) 446-0366 License #C-10 761461

**\*\*ESTIMATING DEPARTMENT PHONE (541) 863-6964 FAX (541) 863-6966\*\***

**California Certified Small Business \* Certified Veteran Owned Business**

## Rialto WTP Digester #1 Instrument Replacement

DATE SENT: /9/28/2018

TO:CV

Davis Electric, Inc. is pleased to offer a quote on the labor, materials and sales tax for the above referenced project. Our price is based on the site walk and review of the site conditions.

Standard Exclusions:

1. All fees, permits and Utility Construction Charges.

Project specifics:

- Provide and install the following instruments, including submittals, O & M's and commissioning:
  - (1) 12" Mag flow, Krone. w/Transmitter
  - (1) LEL Analyzer
  - (4) Pressure Transmitters
  - (1) Level Transmitter – Siemens
  - (1) Level transmitter – Rosemount
  - (5) Temperature Transmitters
  - (1) Allen Bradley PanelView Plus HMI Screen Replacement (Programming by Others)Owner verification of correct instruments required prior to placing order.
- Minor conduit and wire as required to complete the installation

Instrument cost: \$80,240

Installation, conduit/wire and equipment costs: \$31,640

Totals Cost: \$111,880

Regards,

Denny Doyle



# DAVIS ELECTRIC, INC.

P.O. Box 458 Yucaipa, CA 92399 Phone (909) 446-0054 FAX: (909) 446-0366 License #C-10 761461

**\*\*ESTIMATING DEPARTMENT PHONE (541) 863-6964 FAX (541) 863-6966\*\***

California Certified Small Business \* Certified Veteran Owned Business

## Rialto WTP Temporary Power for the Digester Fans and Flair

DATE SENT: /9/28/2018

TO: Marlon/CV

Davis Electric, Inc. is pleased to offer a quote on the labor, materials and sales tax for the above referenced project. Our price is based on the site walk and review of the site conditions.

### Standard Exclusions:

1. All fees, permits and Utility Construction Charges.

### Project specifics:

- Provide (2) new 25 KVA diesel portable generators w/fuel
- Provide and install (3) manual transfer switches, one at each digester area to provide power to each fan control panel. (1) transfer switch at the flair area.
- Provide and install 130' of underground conduit, fittings and wire to the flair control panel.
- Pin and Sleeve connectors and cord from each generator to the transfer switch.
- All materials are per the standards at the Plant.

Cost for materials and labor: \$33,684

Cost for (2) New 25 KVA Generators: \$52,122

Totals Cost: 85,806

Regards,

Denny Doyle



# CPG 25 & ~~CPG 45~~ COMPACT & POWERFUL



Need Power? The Chicago Pneumatic CPG 25 and CPG 45 packs an impressive amount of power into a heavy duty, weather proof, sound attenuated and compact enclosure. Available in either a skid mount or trailer mounted configuration, it is adaptable to whatever your job site demands. It combines the robustness and reliability you need with innovative features for additional safety and ease of use.

## RELIABILITY COMES STANDARD

### RELIABLE PROVEN ENGINE

The Isuzu 4LE platform is based on the tested iT4 version with the addition of a DOC. A DOC only solution simplifies operation and maintenance with no DEF (Diesel Exhaust Fluid) or DPF (Diesel Particulate Filter) to contend with. The CPG 25 and CPG 45 also come with a standard 5 year limited engine warranty through Isuzu.

### LEROY SOMER - AREP ALTERNATOR

Heavy duty marine impregnated alternator with multi-voltage capabilities. The AREP excitation system offers superior motor starting capabilities, with 300% over current capacity for demanding applications.

## EASY OPERATION

### ALWAYS RELIABLE

A large integrated fuel cell is standard equipment, allowing the longest run time in its class. The CPG 25 boasts up to 45 hours of run time per tank @ 75% load, while the CPG 45 will run for 30 hours respectively on a single tank of diesel.

Fewer diesel fills creates a higher up-time and ultimately lowers your cost of ownership with less fuel fills per shift. All fluids are 110% contained inside the heavy duty base frame.

External fuel connections are available as an option should you want to extend the running time further.

## EASY TO USE AND MAINTAIN

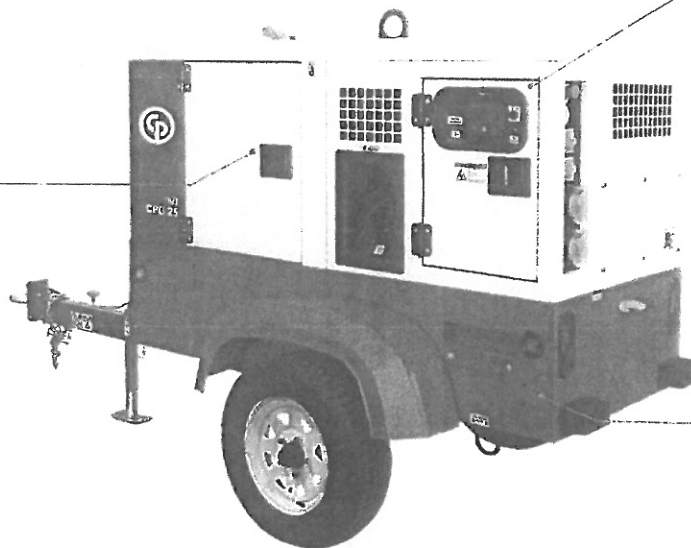
### SIMPLIFIED MAINTENANCE

Single Side servicing through large service doors providing quick access to components, including the alternator, engine and electrical systems.

Drains for water and oil are easy to reach and can be directed outside of the containment basin for draining. Coupled with extended life filters for 500 hour service intervals, make this generator the workhorse of your fleet.

### EASY TO MOVE

Integrated single point lifting and different undercarriage types including, heavy duty skid with forklift pockets or a single axle trailer are available to fit a wide range of applications.



### USER FRIENDLY CONTROLS

The CPG 25 & CPG 45 Tier 4 range comes standard with a Deep Sea 4510 controller. The controller is user friendly with a back lit display showing all critical machine information, which can be viewed through a rugged Plexiglas panel in the door.

Key features of the controller include: Remote Start/Stop, Generator Voltages (ph-N, ph-ph), Frequency, Current (A), Total Load (kW, kVA), Power Factor, Engine Speed, Oil Pressure, Coolant Temp, Battery Voltage, Run Time, Engine Maintenance Schedule, Fuel Level, and many more. All functions are set with warning and shutdown safety limits, that can easily be customized by the user.

## SUPERIOR PERFORMANCE

### COMMON PLATFORMS

Both models are the same platform with a common engine, cubicle and enclosure. This keeps most parts and service packs the same between both models.

### HEAVY-DUTY ENCLOSURE

All CPG model generators are built tough with heavy gauge, powder coated galvanized steel. The base frame is built with a rigid construction and incorporates 110% fluid containment as standard on all machines. The superior fit and finish on the enclosure provides a sound attenuation, as well as weather-proofing and protection from the elements.



## Over 100 Years of Experience

Since 1901 the Chicago Pneumatic name has represented high-performance tools and equipment designed for an extensive range of applications. Today, Chicago Pneumatic has a global reach, with local customer centers around the world. Chicago Pneumatic tools and air compressors are tailored to the needs of the industrial, vehicle service, and construction markets. Every day we develop and manufacture new products that are meant to meet your demands not only today, but tomorrow as well.

### TECHNICAL DATA

MODEL		CPG 25 ID	CPG 45 ID
Rated Prime Power 3Ø	kW / kVA	20/25	36/45
Rated Stand-by Power 3Ø	kW / kVA	22/28	40/50
Voltage Selection 3Ø	V	208 / 240 / 480	
Amp @ 480 volts	A	30	54
Amp @ 240 volts	A	60	108
Amp @ 208 volts	A	60	90
Rated Prime Power 1Ø	kVA	13	25
Voltage Selection 1Ø	V	120 / 240	
Amp @ 240 volts	A	67	108
Amp @ 120 volts	A	67 x 2	108 x 2
Frequency	Hz	60	60
Sound Pressure @ 23 ft. (7m) @ 75% load	dBA	67	66
Convenience Receptacles		2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	

#### ALTERNATOR - Leroy Somer

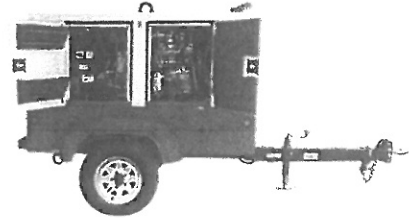
Model	LSA 40 M5	LSA 42.3 S5
Degree of Protection / Insulation Glass	H	
Excitation	AREP	

#### ENGINE - Isuzu

Model		4LE2T	4LE2X
Displacement	L	2 18	
Cylinders	#	4	
Tier	US EPA	Tier 4 Final	
Engine Exhaust After Treatment		DOC	
Prime Horsepower	HP	32.5	59
Rated Speed	RPM	1800	
Engine Control		ECU	
Fuel Tank Capacity	Gal (L)	72.5 (274)	
Fuel Consumption @ 75% load	Gal/hr (L/Hr)	1.4 (5.3)	2.15 (8.1)
Fuel Autonomy @ 75% load	Hr	45	30

#### DIMENSIONS (LxWxH) & Weight

Trailer	Inches	129x54x66	
Weight (w/ Trailer wet)	lbs (kg)	2,395 (1,086)	2,625 (1,191)
Skid (w/ Forklift pockets)	Inches	75x34x55	
Weight (skid wet)	lbs (kg)	2,310 (1,048)	2,340 (1,061)



#### FEATURES AND OPTIONS INCLUDED

Multi-Voltage Selector switch	●
Remote Start / Stop	●
Digital Control Systems	●
110% Fluid Containment	●
ECU Controlled	●
Single Side Service (500 Hour Interval)	●
Single Breaker Design	●
Single Axle Trailer	●
Skid Mounted (w/ Forklift Pockets)	○
Battery Charger	○
Coolant Heater	○
Ball Coupling	○
External Fuel Connections	○
Standard ● Option ○	

#### STANDARD FEATURES

Compact, sound attenuated, corrosion resistant enclosure with single point lifting and 110% fluid containment

all new integrated single axle trailer to reduce weight and size to aid and improve transferability

"Deep Sea" controller

Single side servicing with long run filters and 500 hour service intervals

Extremely reliable and durable Isuzu engine.

Extremely reliable and durable Isuzu 4LE engine with DOC only after treatment and 5 year limited warranty

Identical enclosures and maintenance points between models

#### BENEFITS

Extremely durable and environmentally sensitive, designed to be used for everything from oil patch application to special event power

Versatility giving you the flexibility to match your machine to the correct application

Startup power for the most demanding sites with 300% over load starting capabilities

Reliable and intuitive controls for ease of use and diagnostic capabilities

Reduces maintenance costs with long intervals easy access for mechanics

Proven engine platform with high reliability and no DPF or DEF

Reduces stock of service kits and inventory of parts with rental ROI kept in mind

## PREDICTABLE POWER

Chicago Pneumatic Predictable Power brings customers in the on-site generator and power generations business peace of mind. Utilizing solutions that combine low cost of ownership, reliable performance and risk-free operation. Predictable Power is our core value and the guiding principle for how we design, test, build, commission and service our generators.