



LEMOORE CITY COUNCIL
COUNCIL CHAMBER
429 C STREET
November 21, 2017

AGENDA

Please silence all electronic devices as a courtesy to those in attendance. Thank you.

PUBLIC COMMENT

This time is reserved for members of the audience to address the City Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. It is recommended that speakers limit their comments to 3 minutes each and it is requested that no comments be made during this period on items on the Agenda. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Prior to addressing the Council, any handouts for Council will be provided to the City Clerk for distribution to the Council and appropriate staff.

5:30 pm STUDY SESSION

No Study Session

CLOSED SESSION

This item has been set aside for the City Council to meet in a closed session to discuss matters pursuant to Government Code Section 54956.9(d)(4). The Mayor will provide an oral report regarding the Closed Session at the beginning of the next regular City Council meeting.

1. Conference with Legal Counsel – Anticipated Litigation
Government code Section 54956.9
Significant Exposure to Litigation Pursuant to Paragraph (2) or (3) of Subdivision (d)
of Section 54956.9
Four Cases
2. Public Employee Performance Evaluation
Government Code Section 54957
Title: City Manager

In the event that all the items on the closed session agenda have not been deliberated in the time provided, the City Council may continue the closed session at the end of the regularly scheduled Council Meeting.

7:30 pm REGULAR SESSION

- a. CALL TO ORDER
- b. PLEDGE OF ALLEGIANCE
- c. INVOCATION
- d. AGENDA APPROVAL, ADDITIONS, AND/OR DELETIONS

PUBLIC COMMENT

This time is reserved for members of the audience to address the City Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. It is recommended that speakers limit their comments to 3 minutes each and it is requested that no comments be made during this period on items on the Agenda. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Prior to addressing the Council, any handouts for Council will be provided to the City Clerk for distribution to the Council and appropriate staff.

CEREMONIAL / PRESENTATION – Section 1

No Ceremonial / Presentation

DEPARTMENT AND CITY MANAGER REPORTS – Section 2

2-1 Department & City Manager Reports

CONSENT CALENDAR – Section 3

Items considered routine in nature are placed on the Consent Calendar. They will all be considered and voted upon in one vote as one item unless a Council member or member of the public requests individual consideration.

- 3-1 Approval – Minutes – Regular Meeting – November 7, 2017
- 3-2 Approval – Purchase of Chlorine Analyzers for SCADA upgrade
- 3-3 Approval – Change Order for a Variable Frequency Drive at 40 G Street for SCADA Upgrade

PUBLIC HEARINGS – Section 4

No Public Hearings

NEW BUSINESS – Section 5

No New Business

CITY COUNCIL REPORTS AND REQUESTS – Section 6

6-1 City Council Reports / Requests

ADJOURNMENT

Agendas for all City Council meetings are posted at least 72 hours prior to the meeting at the City Hall, 119 Fox St., Written communications from the public for the agenda must be received by the City Clerk's Office no less than seven (7) days prior to the meeting date. The City of Lemoore complies with the Americans with Disabilities Act (ADA of 1990). The Council Chamber is accessible to the physically disabled. Should you need special assistance, please call (559) 924-6705, at least 4 business days prior to the meeting.

PUBLIC NOTIFICATION

I, Marisa Lourenco, Deputy City Clerk for the City of Lemoore, declare under penalty of perjury that I posted the above City Council Agenda for the meeting of November 21, 2017 at City Hall, 119 Fox Street, Lemoore, CA on November 17, 2017.

//s//

Marisa Lourenco, Deputy City Clerk

**November 7, 2017 Minutes
Study Session
City Council Meeting**

CALL TO ORDER:

At 5:30 p.m., the meeting was called to order.

ROLL CALL: Mayor: MADRIGAL
Mayor Pro Tem: NEAL
Council Members: BLAIR, BROWN, CHEDESTER

City Staff and contract employees present: Interim City Manager Olson; City Attorney Van Bindsbergen; Assistant City Manager Speer; Acting Public Works Director Rivera, Development Services Director Holwell; Police Chief Smith; Finance Director Corder; Deputy City Clerk Lourenco.

PUBLIC COMMENT

There was no Public Comment

5:30 pm STUDY SESSION

SS-1 General Fund Community Investment Program Review

Finance Director / CFO Corder provided a review of the General Fund Community Investment Program, which included the following:

- *Projects in Approved Budget*
- *List of Projects and Cost to General Fun*
 - *5108 – City Park Palm Removal - \$35,000*
 - *5115 – Palm Tree Removal Heritage - \$64,00*
 - *5710 – City Council Chambers - \$30,000*
 - *5717 – Citywide ADA Compliance - \$100,000*
 - *5720 – New Phone System - \$24,000*
 - *5800 – Truck Replacement (Fire) - \$260,000*
 - *5801 – Turnouts - \$44,000*
 - *5904 – Class and Comp - \$2,500*
 - *5712 – Dispatch Center - \$4,088,070*
- *Total Cost to the General Fund*
 - *\$1,145,070 – If all projects move forward as budgeted*

CLOSED SESSION PUBLIC COMMENT

There was no Public Comment

At 5:53 p.m., Council adjourned to Closed Session.

CLOSED SESSION

1. Conference with Labor Negotiator
Government Code Section 54957.6
Agency Negotiator: Jenell Van Bindsbergen, City Attorney
Employee Organizations: General Association of Service Employees and Unrepresented Employees
2. Conference with Legal Counsel – Anticipated Litigation
Government code Section 54956.9
Significant Exposure to Litigation Pursuant to Paragraph (2) or (3) of Subdivision (d) of Section 54956.9
Two Cases
3. Conference with Legal Counsel – Existing Litigation
Government Code Section 54956.9(d)(1)
Hill v. City of Lemoore
Case No. 1:17-CV-01395-DAD-EPG
4. Public Employee Performance Evaluation
Government Code Section 54957
Title: City Manager

ADJOURNMENT

At 7:23 p.m., Council adjourned.

October 17, 2017 Minutes Lemoore City Council Regular City Council Meeting

CALL TO ORDER:

At 7:30 p.m., the meeting was called to order.

ROLL CALL: Mayor: MADRIGAL
Mayor Pro Tem: NEAL
Council Members: BLAIR, BROWN, CHEDESTER

City Staff and contract employees present: Interim City Manager Olson; City Attorney Van Bindsbergen; Assistant City Manager Speer; Acting Public Works Director Rivera; Development Services Director Holwell; Police Chief Smith; Finance Director Corder; Deputy City Clerk Lourenco; Quad Knopf Engineer Joyner.

CLOSED SESSION REPORT

Nothing to report out.

PUBLIC COMMENT

Mark Pescatore thanked the Council on behalf of the Lemoore Police Officer's Association regarding item 5-3 on the agenda and states it was a pleasure working with Finance Director Corder, City Attorney VanBindbergen, and Human Resources Manager Venegas during the negotiation process and coming to a successful conclusion.

Charlie Myer stated the Lemoore High School pool is being remodeled next year, which means all water sports and programs will not have a location to practice or swim. He inquired if the City of Lemoore has plans to build a pool for the community.

CEREMONIAL / PRESENTATION – Section 1

- 1-1 Oath of Office for New Lemoore Police Department Chaplain (Smith)
- 1-2 Recognition of Lemoore Police Department Explorer Unit (Smith)

DEPARTMENT AND CITY MANAGER REPORTS – Section 2

- 2-1 Department & City Manager Reports

Assistant City Manager Speer stated that the first phase of interviews for the Parks and Recreation Director position were held on November 1st and 2nd. The five panel members included herself, Chief Smith, Parks and Recreation Commissioners James Chaney and Dr. Ernie Smith, and Mikal Kirchner from the City of Selma. Nine Maintenance Workers started on November 6 and an internal recruitment was held for a Maintenance Coordinator in the Wastewater division. Parks and Recreation will be holding their Veteran's Day run, craft show, and parade on Saturday, November 11. The City is holding a Local Economic Developer Course through CalED for local elected officials on November 28. This will be a joint public meeting with City Council and Planning Commission.

Acting Public Works Director Rivera provided a KCAG Workshop flyer to Council. The workshop will be held on November 9th at the Kings County Administration Building. KCAG is developing a bike and walk plan for Avenal, Corcoran, Hanford, and Lemoore. This plan will tie into the City's existing plan. The workshop will allow citizens to express their ideas, concerns, and suggestions. Lemoore Senior Center project received an extension. The project is expected to be completed in 2 weeks.

Development Services Director Holwell provided an update on current projects. Dollar General will be building a new store on 19th avenue. Plans for the project are expected to be back in within a week. A second Dollar General has opened in the Gateway Plaza. Building plans for Arco at West Bush are expected any day.

Interim City Manager Olson stated that the City has received a letter from the State Resource Control Board granting a one year extension on the TTHM compliance. He asked Council for confirmation on the City Council meeting schedule for the months of December and January.

CONSENT CALENDAR – Section 3

- 3-1 Approval – Minutes – Regular Meeting – October 17, 2017
- 3-2 Approval – Leprino Foods Company Foundation Donation in the Amount of \$12,124
- 3-3 Approval – Investment Report for the Month Ended August 30, 2017
- 3-4 Approval – SB 1 Road Maintenance and Rehabilitation Account Project List – Resolution 2017-29

Item 3-1 was pulled for separate consideration

Motion by Council Member Chedester, seconded by Council Member Neal, to approve Consent Calendar, excluding Item 3-1.

Ayes: Chedester, Neal, Brown, Blair, Madrigal

3-1 Approval – Minutes – Regular Meeting – October 17, 2017

Motion by Council Member Chedester, seconded by Council Member Neal, to approve Consent Calendar Item 3-1 as amended.

Ayes: Chedester, Neal, Brown, Blair, Madrigal

PUBLIC HEARINGS – Section 4

No Public Hearings

NEW BUSINESS – Section 5

5-1 Report and Recommendation– Resolution 2017-30 Regarding the Intention to Issue a Tax Exempt Obligations to Finance Water Projects

Motion by Council Member Chedester, seconded by Council Member Brown, to adopt Resolution 2017-30 Regarding the Intention to Issue a Tax Exempt Obligations to Finance Water Projects

Ayes: Chedester, Brown, Blair, Neal, Madrigal

5-2 Report and Recommendation - Resolution 2017-31 Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore General Association of Service Employees Unit

Spoke: Tom Reed
Soledad Perez

Motion by Council Member Brown, seconded by Council Member Blair, Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore General Association of Service Employees Unit

Ayes: Brown, Blair, Chedester, Neal, Madrigal

5-3 Report and Recommendation – Resolution 2017-32 Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore Police Officers Association

Motion by Council Member Blair, seconded by Council Member Chedester, Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore Police Officers Association

Ayes: Blair, Chedester, Brown, Neal, Madrigal

- 5-4 Report and Recommendation – Resolution 2017-33 Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore Police Sergeants Association

Motion by Council Member Blair, seconded by Council Member Neal, Ratifying the Tentative Agreement Which Outlines the Changes to the Memorandum of Understanding with Lemoore Police Sergeants Association

Ayes: Blair, Neal, Chedester, Brown, Madrigal

- 5-5 Report and Recommendation – Resolution 2017-34 Approving Changes in the Wages and Benefits for the Unrepresented Employees of the City and Adopting a New Salary Matrix

Motion by Council Member Neal, seconded by Council Member Chedester, Approving Changes in the Wages and Benefits for the Unrepresented Employees of the City and Adopting a New Salary Matrix

Ayes: Neal, Chedester, Brown. Blair, Madrigal

CITY COUNCIL REPORTS AND REQUESTS – Section 6

6-1 City Council Reports / Requests

Council Member Blair stated she had the opportunity with the Lemoore Lions to help Lemoore Christian Aid box food. It was wonderful to see so many people from the community helping those in need. She thanked all those who attended. She will be meeting with the State Treasurer this weekend and hopes to invite him to Lemoore and show him all that there is to offer.

Council Member Brown thanked all service organization, City staff, Chamber of Commerce and appreciates what these organizations bring to the City.

Council Member Chedester stated City and Council appreciates all employees and a milestone was reached this evening with the approvals of all new business items.

Mayor Pro Tem Neal attended the Kings County Government Center 40th celebration and stated all the speakers did a great job. He inquired about the Vorhees project, KWRA, and the golf course ponds.

Mayor Madrigal thanked everyone who was involved in the negotiation process. He explained that the contracts approved are consistent with the City's budget and it shows good faith effort to City employees.

ADJOURNMENT

At 8:44 p.m., the meeting adjourned.

ATTEST:

APPROVED:

Marisa Lourenco
Deputy City Clerk

Ray Madrigal
Mayor



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-9003

Staff Report

Item No: 3-2

To: Lemoore City Council
From: Frank Rivera, Acting Public Works Director
Date: November 6, 2017 **Meeting Date:** November 21, 2017
Subject: Purchase of Chlorine Analyzers for SCADA upgrade

Strategic Initiative:

<input type="checkbox"/> Safe & Vibrant Community	<input type="checkbox"/> Growing & Dynamic Economy
<input type="checkbox"/> Fiscally Sound Government	<input checked="" type="checkbox"/> Operational Excellence
<input type="checkbox"/> Community & Neighborhood Livability	<input type="checkbox"/> Not Applicable

Proposed Motion:

Approve the purchase of chlorine analyzers, and authorize the Interim City Manager to sign the budget amendment.

Subject/Discussion:

Staff received approval from City Council on June 6, 2017 to award the bid for an upgraded SCADA system to Industrial Automation, in the amount of \$267,146. Staff has been working with Industrial Automation to design and implement the SCADA system. During this process, it has been noted that there are additional items the City will need for an enhanced system.

Chlorine analyzers are used to properly monitor free chlorine at our well sites. The original bid was quoted for HACH CL17 analyzers. Our new Utilities Manager, John Souza, has worked with a SCADA system before and has advised the City that we will receive better process control and chlorine monitoring from single and dual CL2 analyzers. The City will need a total of four (4) single CL2 analyzers (\$5,858.67/each) and six (6) dual CL2 analyzers (\$10,442.65/each).

Staff has received a quote from Hopkins Technical Products, as this vendor is the sole provider in this region. Hopkins Technical Products, will supply one (1) single CL2 to the

City and Industrial Automation Group will purchase two (2) single CL2 analyzers with the money already budgeted for the analyzers. The City will be responsible for one (1) single CL2 and six (6) dual CL2 analyzers for a total amount of \$67,364.37.

Financial Consideration(s):

A budget amendment is required for \$67,364.37, which will reduce the reserves in the water fund.

Alternatives or Pros/Cons:

Pros:

- Better process control and chlorine monitoring with upgraded analyzers.

Cons:

- The cost of these items were not budgeted in the original project.

Commission/Board Recommendation:

Not applicable.

Staff Recommendation:

Staff recommends that City Council, by motion, approve the purchase of the requested chlorine analyzers.

Attachments:

- ☐ Resolution:
- ☐ Ordinance:
- ☐ Map
- ☐ Contract
- ☒ Other

List: Quote
Budget Amendment

Review:

- ☒ Finance
- ☒ City Attorney
- ☐ City Manager
- ☒ City Clerk

Date:

11/17/17
11/13/17
11/17/17



TO: City of Lemoore
711 West Cinnamon Dr.
Lemoore, CA 93245
Phone: 559-997-5089

QUOTER: Greg Cozzi
APPLICATION: HTP-18819

ATTN: John Souza
jsouza@lemoore.com

We are pleased to offer you the following quotation for your favorable consideration. **John I was able to get you a 10% quantity discount on these 6 analyzers if I was to receive your purchase order and the analyzers are to ship before 12-29-17. It takes about 4 weeks to build these units. So time is of the essence.**

PLEASE SEND ALL ORDERS TO: greg@htpinc.com OR PHONE: 209-920-3276 AND ASK FOR GREG.
PLEASE INCLUDE THIS QUOTATION AND YOUR CURRENT CONTACT/SHIPPING INFORMATION
ALONG WITH YOUR ORDER.

* Please review all items for correct specifications and or conditions. All returned items will be charged a 25% restocking charge.

* All electrical and 4-20 mA connections must be correct before connecting any piece of equipment or non-warranty damage may result.

* Any modification to factory pre-engineered skids will result in voiding any equipment warranty.

* Field Start-Up and Training are Not Included in this quotation unless otherwise stated herein. Please contact Hopkins Technical Products for Start-Up and Training charges applicable to this quotation of equipment.

* Equipment start-up is at \$120.00 Hr. plus travel and expenses.

Sincerely,
Greg Cozzi
Hopkins Technical Products
2155-A Elkins Way
Brentwood, CA 94513
Main Office 925 240-2160
fax: 925 240-2166
Field Office: 209 920-3276
Field Fax: 209 772-0124
Cell: 925 351-7452
email: greg@htpinc.com

Terms:
Net 30 Days, Quote valid for 30 days
Delivery of equipment: 4-6 weeks ARO
State and Local Taxes Not Included: See Quotation
Freight: FOB Factory Pittsburgh, PA 15275: See Quotation

Section : 01 DACa CI-CI Dual DGMA Panel**Custom Dual-Sample Chlorine Residual Analyzer Package**

Backboard Assembly to include: Backboard (44"W x 24"H)
 (2) DGMA assemblies (as described below) (2) Pressure Regulating Valve
 (2) Needle Valve (2) Sample Valve (2) Bubble Diffuser
 (2) Sets of 15' of 2-Cond shielded cable
 (2) Sets of 30' PE sample tubing
 (1) DACa Controller (as described below)
 (2) Chlorine CTE 1-mA sensors (as described below)

All equipment fully assembled and tested at the factory prior to shipment.

Material:	Qty:
MR000003	6

DGMa In-line sensor housing

DGMa In-line sensor housing

- In-line modular sensor holder made of clear PVC/Viton.
- Maximum inlet pressure 87 psig.
- Maximum temperature 140 degrees F.
- Recommended sample flow is 10.5 gph.
- Includes wall mount brackets and flow control valve.

Options Included:

- Module for flow measurement	4	With flow sensor, scale gph
- Number of modules Pg 13.5	0	None
- Number of modules 25mm	1	One module, 25mm
- Material	T	PVC-transparent
- Sealing material	0	Viton®
- Connection	0	1/2" X 3/8" tubing adapters
- Version	0	Standard

Material:	Qty:
DGMA401T000	12

Total Chlorine Sensor CTE 1-mA, 0.1 - 10 ppm (for D1C,D2C)

Material:	Qty:
740684	12

DULCOMETER® diaLog DACa Controller

DULCOMETER® diaLog DACa Multi-Parameter Controller

The diaLog DACa has been specifically developed for the continuous control of liquid analysis parameters in water treatment processes, environmental technology and industrial applications.

The diaLog DACa is available in a version with one or two measuring channels and can work with conventional analogue sensors and actuators. Its is also equipped to communicate with digital sensors and actuators via the CANopen sensor/actuator bus.

The diaLog DAC controller intelligently closes the control circuit between ProMinent® DULCOTEST sensors and ProMinent® metering pumps, offering special functions as required in water treatment.

Selected options:

- Type of mounting: Wall mounted with PM-logo

Quote ID: HTP-18819 - 105323

Quote Date: 11/07/2017

- Operation voltage: 90 - 253 VAC, 50/60 Hz
- Channel 1: measurement + control
- Channel 2: p3: M&C+2DP+3DI
- Software presets: no default settings
- Channel connections: channel 1 over clamps
- Connection of digital sensors: none
- Communication: none
- Data Logger: Data logger
- Hardware Upgrade: none
- Approvals: Standard
- Certificates: without
- Documentation language: english

Options Included:

- | | | |
|---------------------------------|----|---------------------------|
| - Type of mounting | 00 | Wall mounted with PM-logo |
| - Operation voltage | 6 | 90 - 253 VAC, 50/60 Hz |
| - Channel 1 | 1 | measurement + control |
| - Channel 2 | 3 | p3: M&C+2DP+3DI |
| - Software presets | 0 | no default settings |
| - Channel connections | 0 | channel 1 over clamps |
| - Connection of digital sensors | 0 | none |
| - Communication | 0 | none |
| - Data Logger | 1 | Data logger |
| - Hardware Upgrade | 0 | none |
| - Certificates | 0 | without |
| - Documentation language | EN | english |

Material: DACA00613000010010EN Qty: 6

Section : DACa CI-CI Dual DGMA Panel Sub Total

Total List: \$62,655.90 Total Net: \$56,390.31

Section : 02 Sales Tax of 7.25% and Estimated Shipping

Sales Tax of 7.25%

Material:	Qty:	Net:	Ext Net:
99999	1	\$4,258.47	\$4,258.47

Estimated Shipping

Material:	Qty:	Net:	Ext Net:
99999	6	\$75.00	\$450.00

Section : Sales Tax of 7.25% and Estimated Shipping Sub Total

Total Net: \$4,708.47

Grand Total LIST:	\$67,364.37 (USD)
Grand Total NET:	\$61,098.78 (USD)



CITY OF LEMOORE

BUDGET AMENDMENT FORM

Date: 11/6/2017	Request By: Frank Rivera
Requesting Department: Water CIP - 5209 SCADA Upgrade	

TYPE OF BUDGET AMENDMENT REQUEST:

- ☐ Appropriation Transfer within Budget Unit
☒ All other appropriations (Attach Council approved Staff Report)

FROM:

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
050	050	1010	\$ 2,765,586.04	\$ (133,290.00)	\$ 2,632,296.04

TO:

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
050	5209	4310	\$ 267,146.00	\$ 133,290.00	\$ 400,436.00

JUSTIFICATION FOR CHANGE/FUNDING SOURCE:

APPROVALS:

Department Head: <i>[Signature]</i>	Date: 11/8/2017
City Manager:	Date:
Completed By:	Date:



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-9003

Staff Report

Item No: 3-3

To: Lemoore City Council

From: Frank Rivera, Acting Public Works Director

Date: November 6, 2017 Meeting Date: November 21, 2017

Subject: Change Order for a Variable Frequency Drive at 40 G Street for SCADA Upgrade

Strategic Initiative:

- | | |
|--|--|
| <input type="checkbox"/> Safe & Vibrant Community | <input type="checkbox"/> Growing & Dynamic Economy |
| <input type="checkbox"/> Fiscally Sound Government | <input checked="" type="checkbox"/> Operational Excellence |
| <input type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable |

Proposed Motion:

Approve a change order for a Variable Frequency Drive for the Water Division, and authorize the Interim City Manager to sign the budget amendment.

Subject/Discussion:

Staff has been working with Industrial Automation to design and implement the SCADA system. During this process, it was noted that the Water Division at 40 G Street is in need of a new Variable Frequency Drive (VFD).

The current VFD is out dated, which makes it difficult to find parts or technicians that can repair it. The VFD runs booster pump #6, which maintains water pressure supplied to the City. It is critical that we replace the VFD at the same time we upgrade the water SCADA system. The cost of the new VFD is \$65,925.

Industrial Automation has submitted a change order to add the VFD to their scope of work. The detailed change order form from Industrial Automation has been attached.

Financial Consideration(s):

A budget amendment is required in the amount of \$65,925 which will reduce the reserves in the water fund.

Alternatives or Pros/Cons:**Pros:**

- VFD more energy efficient.
- VFD more reliable.

Cons:

- Parts may become obsolete with the current VFD.

Commission/Board Recommendation:

Not applicable.

Staff Recommendation:

Staff recommends that City Council, by motion, approve the change order for a new variable frequency drive.

Attachments:

- ☐ Resolution:
- ☐ Ordinance:
- ☐ Map
- ☐ Contract
- ☒ Other
 - List: Change Order
 - Budget Amendment

Review:

- ☒ Finance
- ☐ City Attorney
- ☐ City Manager
- ☒ City Clerk

Date:

11/17/17

11/17/17



Project Change Estimate

Subject VFD Additions at 40 G Street
Quotation Id [TCL0004](#)
Date 11/6/2017
Customer City of Lemoore
Nathan Olson
119 Fox St.
Lemoore, CA 93245

Introduction Dear Nathan Olson,
This correspondence outlines the complete scope of work you requested, including estimated fees.

Objective Provide control panel design, hardware, and electrical installation support for the 40 G Street VFD project.

Scope of Services The scope of this quotation is based on our discussions. Automation Group will provide VFD control panel design documents, and electrical drawings. Our services include demo of existing 100HP VFD panel and consolidation of a second 100hp pump currently on an across the line starter (re pulling motor leads is not included). The system hardware will consist of a new VFD control panel with two (2) 100HP VFD's. Electrical installation and materials are included.

1. Control System Design
 - 1.1. Electrical schematics in AutoCAD (digital and paper copy)
 - 1.1.1. ISA Electrical symbols
 - 1.1.2. Enclosure Layout
 - 1.1.3. Control power diagram
 - 1.1.4. I/O drawings
 - 1.1.5. Bill of Material
2. Electrical Installation
 - 2.1. Install temporary vfd and wiring for (1) one 100hp motor
 - 2.2. Furnish labor to demo (1) one existing 100hp vfd
 - 2.3. Furnish labor to mount the new vfd control panel
 - 2.4. Furnish and install conduit, wire, and terminate 480 volt feed to new vfd panel (tap existing 480v bus to feed the new control panel)
 - 2.5. Furnish labor and material to connect existing I/O, existing motor leads, and feeder to the new control panel

- Hardware**
1. Control Panel Build
 - 1.1. UL508A Listed
 - 1.2. NFPA70E Compliant
 - 1.3. Testing of each control point to point
 - 1.4. All wires will have markers
 - 1.5. All terminals will have labels
 2. (1) NEMA12 Mild Steel Enclosure w/ back panel - MCP
 - 2.1. (1) Main Disconnect 400Amp Breaker
 - 2.2. (1) Control Transformer
 - 2.3. (1) Hoffman NEMA12 Fan Filter Kit
 - 2.4. (2) 250Amp Motor Circuit Protector
 - 2.5. (2) PowerFlex 755 125HP Normal Duty 156Amp 460Vac VFD
 - 2.6. (2) Full Numeric LCD HIM w/ Door Mounted Bezel

Commissioning One (1) regular business day of onsite commissioning support are included. Any additional commissioning support time, if requested, including any travel expenses if applicable, will be billed at our standard hourly rate including overtime or double-time as necessary.

Schedule This project is expected to be completed 8-10 weeks after receipt of purchase order. A firm schedule will be developed upon order acceptance.

Reno
1575 Delucchi Lane, #207
Reno NV 89502

Sacramento
910 Florin Road #204
Sacramento CA 95831

Industrial Automation Group, LLC

Modesto Headquarters
1349 Coldwell Avenue
Modesto, CA 95350
209.579.7527

Fresno
2516 N Sunnyside Avenue
Fresno CA 93727

Visalia
561 S Pinkham Street
Visalia CA 93292

Cost and fees	
Controls Engineering	6,320.00
Control Panels	39,944.00
Electrical Installation	14,785.00
Commissioning	1,480.00
Sales Tax	2,896.00
Freight	500.00
	<hr/>
Total (Less freight)	65,925.00

Terms A 50% deposit is required before we begin. Progress payments will be billed monthly to 90%. The balance of 10% is due upon completion of Acceptance Testing. Net due in 30 days. A 1.5% service charge per month after 30 days of invoice (18%APR).

Exclusions Any tax or freight charges that may apply.
Any project permits.
Any warranty other than that stated in our "Standard Terms and Conditions."
Any work performed outside of normal business hours i.e. nights, weekends, holidays
Any additional labor due to delays by other contractors or customer personnel.
Any devices or services not specifically listed above.
Additional devices or services will be added by submitting change estimates for your approval.

Electrical contracting is based on having (2) two 4hour blocks of downtime for tapping buss and swapping vfd's.

Software "bugs" and their associated correction by Automation Group is part of the normal and expected process of controls software development. Time spent by Automation Group in fixing any identified "bugs" is billable, as part of the overall controls software development process.

Responsibilities Ultimate success is highly dependent on your efforts and cooperation. To help achieve a successful control system implementation, it will be your responsibility to perform the following:

1. Provide key personnel as required
2. Provide accurate schedule information
3. Provide accurate drawings and updates when applicable

Closing We appreciate the opportunity to offer you this quotation for your consideration. Please call with any questions.
Sincerely,
Adam L. Upham



Project Quotation

Subject VFD Additions at 40 G Street
Quotation Id **TCL0004**
Date 11/6/2017
Customer City of Lemoore
Nathan Olson
119 Fox St.
Lemoore, CA 93245

Introduction Dear Nathan Olson,
This correspondence outlines the complete scope of work you requested, including estimated fees.

Objective Provide control panel design, hardware, and electrical installation support for the 40 G Street VFD project.

Scope of Services The scope of this quotation is based on our discussions. Automation Group will provide VFD control panel design documents, and electrical drawings. Our services include demo of existing 100HP VFD panel and consolidation of a second 100hp pump currently on an across the line starter (re pulling motor leads is not included). The system hardware will consist of a new VFD control panel with two (2) 100HP VFD's. Electrical installation and materials are included.

1. Control System Design

1.1. Electrical schematics in AutoCAD (digital and paper copy)

- 1.1.1. ISA Electrical symbols
- 1.1.2. Enclosure Layout
- 1.1.3. Control power diagram
- 1.1.4. I/O drawings
- 1.1.5. Bill of Material

2. Electrical Installation

- 2.1. Install temporary vfd and wiring for (1) one 100hp motor
- 2.2. Furnish labor to demo (1) one existing 100hp vfd
- 2.3. Furnish labor to mount the new vfd control panel
- 2.4. Furnish and install conduit, wire, and terminate 480 volt feed to new vfd panel (tap existing 480v bus to feed the new control panel)
- 2.5. Furnish labor and material to connect existing I/O, existing motor leads, and feeder to the new control panel

Hardware

1. Control Panel Build

- 1.1. UL508A Listed
- 1.2. NFPA70E Compliant
- 1.3. Testing of each control point to point
- 1.4. All wires will have markers
- 1.5. All terminals will have labels

2. (1) NEMA12 Mild Steel Enclosure w/ back panel - MCP

- 2.1. (1) Main Disconnect 400Amp Breaker
- 2.2. (1) Control Transformer
- 2.3. (1) Hoffman NEMA12 Fan Filter Kit
- 2.4. (2) 250Amp Motor Circuit Protector
- 2.5. (2) PowerFlex 755 125HP Normal Duty 156Amp 460Vac VFD
- 2.6. (2) Full Numeric LCD HIM w/ Door Mounted Bezel

Commissioning One (1) regular business day of onsite commissioning support are included. Any additional commissioning support time, if requested, including any travel expenses if applicable, will be billed at our standard hourly rate including overtime or double-time as necessary.

Schedule This project is expected to be completed 8-10 weeks after receipt of purchase order. A firm schedule will be developed upon order acceptance.

Reno
1575 Delucchi Lane, #207
Reno NV 89502

Sacramento
910 Florin Road #204
Sacramento CA 95831

Industrial Automation Group, LLC

Modesto Headquarters
1349 Coldwell Avenue
Modesto, CA 95350
209.579.7527

Fresno
2516 N Sunnyside Avenue
Fresno CA 93727

Visalia
561 S Pinkham Street
Visalia CA 93292

4-TCL0004-518163168

Confidential - Valid for 30 Days

Cost and fees

Controls Engineering	6,320.00
Control Panels	39,944.00
Electrical Installation	14,785.00
Commissioning	1,480.00
Sales Tax	2,896.00

Total (Less freight) 65,425.00

Shipping 500.00
\$ 65,925.00

Terms A 50% deposit is required before we begin. Progress payments will be billed monthly to 90%. The balance of 10% is due upon completion of Acceptance Testing. Net due in 30 days. A 1.5% service charge per month after 30 days of invoice (18%APR).

Exclusions Any tax or freight charges that may apply.
Any project permits.
Any warranty other than that stated in our "Standard Terms and Conditions."
Any work performed outside of normal business hours i.e. nights, weekends, holidays
Any additional labor due to delays by other contractors or customer personnel.
Any devices or services not specifically listed above.
Additional devices or services will be added by submitting change estimates for your approval.

Electrical contracting is based on having (2) two 4hour blocks of downtime for tapping buss and swapping vfd's.

Software "bugs" and their associated correction by Automation Group is part of the normal and expected process of controls software development. Time spent by Automation Group in fixing any identified "bugs" is billable, as part of the overall controls software development process.

Responsibilities Ultimate success is highly dependent on your efforts and cooperation. To help achieve a successful control system implementation, it will be your responsibility to perform the following:
1. Provide key personnel as required
2. Provide accurate schedule information
3. Provide accurate drawings and updates when applicable

Closing We appreciate the opportunity to offer you this quotation for your consideration. Please call with any questions.
Sincerely,
Adam L. Upham

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