



February 5, 2020

TO: Mark Mitchell, Interim City Manager

FROM: Dan Scherer, Local Manager (Alliance Water Resources)

RE: **Water Treatment Plant High Service Motor Repair / Replacement**

During a recent routine inspection of the WTP high service pumps it was noted that the #3-75 hp pump motor had developed some vibration and noise in the upper bearing housing. Staff alerted the WTP supervisor and a local firm was contacted to come in to assess the vibration and noise. The service tech indicated that the upper bearing was going bad and that the motor should be pulled and repaired or replaced depending on the age of the motor. Through the bidding process staff priced the complete repair of the motor and also the purchase of a brand-new replacement motor. After reviewing the bids, we feel it is in the City's best interest to pursue the purchase of a new motor rather than repair the existing motor which is 51 years old. Difference between new vs repair is \$87.17.

Quotation as follows:

<b>Evans Electric</b> , new 75 hp hollow shaft motor	--	\$6,045.00
<b>Independent Electric</b> , new 75 hp hollow shaft motor	--	\$6,291.13
<b>Controls and Electric Motor Co.</b> , new 75 hp hollow shaft motor	--	\$6,675.00
Estimated Repair Cost of existing 75 hp hollow shaft motor	--	\$5,957.83

At this time, I am requesting approval to purchase a new US Electric 75 hp hollow shaft motor from the low bidder Evans Electric in the amount of \$6,045.00. This is not a budgeted item and will be expensed from City funds budget line item 500-5-4225-232 with a present balance of \$13,956.85. If you have any questions, please feel free to contact me.

Cc: Gary Johnson, Kristie Modlin, file

COMPETITIVE ANALYSIS

BIDDER NO 1: E. Evans Enterprises

CONTACT: DJ

PHONE NO: (417)-886-8886 FAX NO: (417)-886-8882

QTY.	UNIT	DESCRIPTION	PRICE
<u>1</u>		<u>75 HP US Vertical Motor</u>	<u>\$6,045</u>

BIDDER NO 2: Independent Electric

CONTACT: Brian Cable

PHONE NO: (417)-838-1304 <sup>Office</sup> FAX NO: (417) 865-1626

QTY.	UNIT	DESCRIPTION	PRICE
<u>1</u>		<u>75 HP US Vertical Motor</u>	<u>\$6,291.13</u>

BIDDER NO 3: Controls & Electric Motor Co.

CONTACT: James

PHONE NO: (417)-623-3662 <sup>Cell</sup> FAX NO: (417) 483-8664

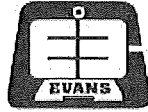
QTY.	UNIT	DESCRIPTION	PRICE
<u>1</u>		<u>75 HP US Vertical Motor</u>	<u>\$6,675</u>

SPECIFY SHIPPING: UPS \_\_\_\_\_ WILL CALL \_\_\_\_\_ VENDOR TRUCK \_\_\_\_\_  
 COMMON CARRIER X OTHER \_\_\_\_\_  
 WHO PAYS SHIPPING: PREPAID X COLLECT \_\_\_\_\_ (no COD allowed)  
 PAYMENT TERMS: NET 30 DAYS \_\_\_\_\_ 1% TEN DAYS NET 30 \_\_\_\_\_  
 CHECK WITH ORDER \_\_\_\_\_ OTHER \_\_\_\_\_

PROMISED SHIP DATE: 2 to 4 weeks

PREPARED BY: Joseph D. Tipper DATE: 01-02-2020

Evans Enterprises, Inc.  
 4647 W. Junction Street  
 Springfield, MO 65802  
 (417) 886-8886 Phone  
 (417) 886-8882 Fax



**EVANS**  
**ENTERPRISES**  
*Since 1954*

# Quotation

Visit us on the web at [www.goevans.com](http://www.goevans.com)

LOCATION ID            SPR80  
 QUOTE DATE            1/27/2020  
 QUOTE NO                15893  
 CUSTOMER ID            108270  
 CUSTOMER PO#         REQUIRED

**Quote Bill To:**

CITY OF NEVADA  
 110 SOUTH ASH ST  
 NEVADA, MO 64772

**Quote Ship To:**

JOE TIPPER  
 CITY OF NEVADA  
 110 SOUTH ASH ST  
 NEVADA, MO 64772

**Quotation Prepared By:**

DJ  
 EVANS ENTERPRISES, INC.  
 4647 W. JUNCTION STREET  
 SPRINGFIELD, MO 65802  
 (417) 886-8886 PHONE  
 (417) 886-8882 FAX

TRANSACTION NO    TRANSACTION DATE  
 00048467            1/27/2020

**Comments or Special Instructions:**

*This Quotation is Valid for 30 Days*

AVAILABILITY	FOB	TERMS
3-5 BUSINESS DAYS ARO	PREPAY & ADD	Net 30 Days

QUANTITY	EVANS ID	DESCRIPTION	UNIT PRICE	AMOUNT
1	NS-SPR	US VERTICAL HOLLOSHAFT 75HP, 1800RPM, 364TP, 460V, 3PH, BASE DIA 16-1/2", NRR, INVERTER DUTY, EQUIPPED WITH WINDING THERMOSTATE, INTERNAL SHAFT GROUDNING RING AND PART WINDING START	\$5,895.00	\$5,895.00

TAXABLE SUBTOTAL	\$0.00
SALES TAX	\$0.00
SHIPPING	\$150.00
TOTAL	\$6,045.00
<b>TOTAL DUE</b>	<b>\$6,045.00</b>

Based upon our Standard Terms and Conditions available at [www.GoEvans.com/terms](http://www.GoEvans.com/terms)

***We appreciate your business.***



**EVANS**  
**ENTERPRISES**  
 WOMAN OWNED BUSINESS

*Since 1954*

ISO 9001:2015 CERTIFIED

# Quote

1/2



## Springfield Division

Remit to: Independent Electric  
4425 Oliver Street  
Kansas City, KS 68106

Ship to: Independent Electric  
1640 East Trafficway  
Springfield, MO 65802

Office/Sales:  
Ph: 417.865.1626  
Fx: 417.865.6313  
www.lemco.com



Attn

cc

Joe Tipper

Phone:

(417) 448-2700 x

Fax:

(417) 448-2707 x

Quote Number

SP-RRE2280

### Customer Information

NEVADA, CITY OF  
110 S ASH ST  
NEVADA, MO 64772

### Ship To Information

NEVADA, CITY OF  
110 S ASH ST  
NEVADA, MO 64772

Quote Date: 1/22/2020

Customer ID: 121307

Quoted By: Brian Coble

RFQ #:

Salesperson: SP 40

Terms: NET 30

### Nameplate Information

Ship Via:

ID	SP-M4916
Motor-Make	US Motors
Motor-Serial #	R2059803 P
Rating	75
HP Unit	HP
RPM	1770
Frame	365TP
Enclosure	VERT
Configuration	Vertical
Insulation Class	B
NEMA Code	G
Term Box	Full no Cord

Poles	4
Rated V.	230/460
Rated A.	176/88
ODE Brg#	6211-J
DE Brg#	7220M X 2
# of Phases	3
Frequency (Hz)	60
Type	RU
Duty	Continuous
NEMA Design	B
Service Factor	1.15
Application	PUMP MOTOR

### Quote Information

Reason For Work: MAJOR REPAIR OF 75HP VERTICAL MOTOR

Cause of Failure:

Required Work: MAJOR AC MOTOR REPAIR:

DISMANTLE, CLEAN, AND INSPECT. ELECTRICALLY TEST WINDINGS. (GROUNDED / SHORTED) REWIND, VPI AND BAKE STATOR. HYPOT AND SURGE TEST STATOR WINDINGS. MIC AND RECORD ALL MECHANICAL FITS. DYNAMICALLY BALANCE ALL ROTATING PARTS. INSTALL NEW BEARINGS. ASSEMBLE, TEST RUN AND RECORD ALL DATA. PAINT AND COMPLETE.

-Coat upper bearing carriers to insulate against shaft currents, install Aegis SGR in lower end,

Comments:

Pick Up On	Lead Time	Total Price
Work Based on Straight Time:		\$5,957.83

Replacement Unit(s)	Lead Time	Total Price
H075V2SLG	1-2 WEEKS	6,291.13
US MOTOR, PREMIUM EFFICIENT, INVERTER DUTY, SHAFT GROUND RING IN STANDARD IN THIS MOTOR		(+ Freight)

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

PO# (If not yet issued) \_\_\_\_\_

# Quote

2/2



## Springfield Division

Remit to:	Ship to:
Independent Electric	Independent Electric
4425 Oliver Street	1640 East Trafficway
Kansas City, KS 66106	Springfield, MO 65802

Office/Sales:  
Ph: 417.865.1626  
Fx: 417.865.5313  
www.lemco.com

Attn

cc

Quote Number

SP-RRE2280

Joe Tipper

Phone:

Fax:

(417) 448-2700 x

(417) 448-2707 x

### Customer Information

NEVADA, CITY OF  
110 S ASH ST  
NEVADA, MO 64772

### Ship To Information

NEVADA, CITY OF  
110 S ASH ST  
NEVADA, MO 64772

Quote Date: 1/22/2020

Customer ID: 121307

Quoted By: Brian Coble

RFQ #:

Salesperson: SP 40

Terms: NET 30

Quotes Do Not Include Sales Tax or Freight, Unless Otherwise Noted.  
We Are not Responsible For Items Left Over 90 Days.  
Quote is valid for 30 days.

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

PO# (If not yet issued) \_\_\_\_\_

## Joe Tipper

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**From:** James@cemcomo.com  
**Sent:** Thursday, November 14, 2019 3:44 PM  
**To:** Joe Tipper  
**Cc:** Eric Gilbreath  
**Subject:** 75hp High service pump

Good afternoon Joe,

I have found all the information on your pump and to rebuild it the way you are requesting will be \$6,110.00 plus whatever freight we encounter. This includes labor for; Teardown, inspection, cleaning, balancing rotor, replacing bearings, insulating top bearing housing, installing Aegis grnd. ring, reassembly, test and paint. This price **does not include** rewinding or any machine work that may be necessary after inspection. A new motor just like the one you have will run \$6,675 again plus freight and to add the grounding ring and insulating coating would bring the grand total to \$10,050. If you have any questions please feel free to give me a call on my cell. Let me know and I will take care of it!

Thank you!

***James D. Standley***

*Controls and Electric Motor Co.*

*317 E. 12<sup>th</sup> Street*

*Joplin, Mo. 64801*

*417-623-3602*

*417-483-8664 cell*