



**PUBLIC WORKS DEPARTMENT  
MEMORANDUM # 2015 - 21**

DATE: April 13, 2015  
TO: Honorable Mayor Joyce Downing and City Council Members  
FROM: John Pick, City Manager   
David Willett, Director of Public Works   
SUBJECT: Council Resolution 50  
Water Treatment Plant Low Zone Pump

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**BACKGROUND**

Northglenn's Water Treatment Plant (WTP) has four Low Zone vertical turbine pumps that convey potable water from the treatment plant to the Low Zone Tanks. Out of the four original pumps that were installed when the water treatment plant was built, two of them have been replaced to date, one in 2010 and one in 2012. Earlier this year, a third Low Zone pump failed and now requires replacement. All four Low Zone pumps are necessary to provide reliable potable water service to Northglenn's residents.

The original vertical turbine pumps were manufactured by the Worthington Corporation. In the present day, the Worthington product line is part of the Flowserve Corporation, and the current local representative is Fluid Technology. On March 17, 2015, Fluid Technology submitted a formal quote of \$29,200.00 for a replacement Low Zone vertical pump. They also submitted a sole supplier affidavit that affirms that they are the only authorized municipal representative in the State of Colorado.

**BUDGET/TIME IMPLICATIONS**

If approved, the purchase would be expensed to the Public Works Department/Water and Wastewater Fund/Capital Outlay/Capital Equipment account.

The Low Zone pump failure was not anticipated and therefore not listed in the Public Works Capital Equipment budget packages. The table below illustrates the current budget appropriation versus expenditure (to date), and current appropriated funding surplus to partially cover the WTP Low Zone pump.

W/WW Capital Equipment Purchases To Date	Appropriation	Expenditure
Backhoe – Distribution & Collection	\$190,000	\$170,956
Pickup Truck – Engineering Water	\$32,000	\$27,803
Jet Vac Truck – Distribution & Collection	\$350,000	\$350,000
Lift Station B Muffin Monster (Not Anticipated)	-	\$12,151
Subtotals	\$572,000	\$560,910
Current Appropriated Funding Surplus		\$11,090

**RECOMMENDATIONS**

Attached to this memorandum is a Resolution that, if approved, would allow the City Manager to issue a Purchase Order to **Fluid Technology** in the amount of **\$29,200.00**.

**STAFF REFERENCE**

Kent Kisselman, PE, Engineering Manager	<a href="mailto:kkisselman@northglenn.org">kkisselman@northglenn.org</a>	303.450.4005
Gregory Yanker, PE, Lead Engineer	<a href="mailto:gyanker@northglenn.org">gyanker@northglenn.org</a>	303.450.8780
Tom Kawamoto, PE, Civil Engineer II	<a href="mailto:tkawamoto@northglenn.org">tkawamoto@northglenn.org</a>	303.450.8837

**ATTACHMENTS**

- Resolution
- Formal Quote
- Sole Supplier Affidavit
- Council Resolution





# Buy / Re-Sale

## 14EBL-3 Stage VTP

TTN -RAH- 50687 Rev 2

Requested By: Josh

Flow Rate: 2310 USGPM

Company: Fluid Technology

Pump Model: 14EBL

Head: 162 FT

Prepared By: Rachel Hunt

# of Stages: 3

RPM: 1760

Date: 3/158

Serial Number: VTP-52948

### Bowl Assembly: Flanged

Bowl Material: Cast Iron

Impeller Material: Bronze

Bell Material: Cast Iron

Shaft Material: 416 SS

Bearing Material: Bronze

Impeller Fastening Method: Colleted

Bowl Wear Ring Material: Bronze

Impeller Wear Ring Material: None

Bolting Material: Carbon Steel

Strainer: None

Interior Coating: None

Exterior Coating: Pota-pox

### Column Assembly: Flanged

Column Length: 112"

Column Dia (in.): 10

Column Material: Carbon Steel

Lineshaft Dia: Thd - 1.50"

Lineshaft Material: Carbon Steel

Enclosing Tube: None

Bearing Material: Bronze Std.

Bearing Retainer Material: None

Lineshaft Sleeves: 304 SS

Bolting Material: Carbon Steel

Interior Coating: None

Exterior Coating: Pota-pox

Max Section Length: 60"

### Discharge Head Assembly:

Head Size: N - 1610

Head Material: Cast Iron

Shaft Material: 416 SS

Stuffing Box: Cast Iron

Mechanical Seal: N/A

Bearing Material: Bronze

Coupling Type: None

Coupling Material: None

Piping Plan Type: None

Piping Plan Material: None

Driver Stand: None

Bare Thrust Pot: None

Stuffing Box Sleeve: None

Soleplate Size / Matl: None / None

Anchor Bolts: None

Discharge Flange Rating: 125#

Suction Flange Rating: None

Bolting Material: Carbon Steel

Interior Coating: None

Exterior Coating: Pota-pox

**Leadtime:** 16 weeks

### Shipping Info:

Pump will be shipped ASSEMBLED from Flowserve's Hastings, NE Facility, FCA Factory, Prepaid / Add

### Disclaimers:

Non-standard coatings are not included in Sell Price (unless otherwise specified).

Rationalized pump features duplicate hydraulics. However, parts are not interchangeable with non-rationalized models.

Above quoted lead time is based on the receipt of a fully executable Purchase Order in Taneytown, to be processed and booked as release to manufacture without drawing approvals being required. If drawing approvals are required before release to manufacture, quoted lead times will be extended by the number of weeks to generate required agreed upon drawings and subsequently, receipt of approval from customer.

Driver is not included in Sell Price (unless otherwise specified).

Testing is not included in Sell Price (unless otherwise specified).

Although Flowserve may comment on suitability, final material selection/approval is the responsibility of the customer. The effects of corrosion, erosion, and normal wear are specifically excluded from warranty.

Please send the Purchase Order and Order Entry Forms to <Taneytownorders@flowserve.com> and CC the Application Engineer.

Taxes, duties, and fees of any kind are not included.

Flowserve Current Worldwide Terms and Conditions of Sale apply.

**Quote Valid for 60 days.**



331 Barletta Ave.  
Las Vegas, Nv. 89123

Phone: 702-616-2354  
Fax: 702-616-2394

January 15, 2015

City of Northglenn  
12301 Claude Court  
Northglenn, Co. 80241

Attention: Tom Kawamoto, P.E.

Reference: New Units and Parts Authorization

Dear Tom,

Please be advised that only Fluid Technology is the authorized municipal representative in the State of Colorado. With this contract in place, only Fluid Technology is authorized to supply pricing for Flowserve repair parts and new units to the City of Northglenn.

This representative contract covers all the brand names owned by Flowserve, this includes, Worthington Pumps, Ingersoll-Dresser Pumps, Durco Pumps, Byron Jackson Pumps, and Pacific Pumps.

Should you have any further questions concerning this arrangement, please feel free to contact the writer,

Best regards,

A handwritten signature in blue ink, appearing to read "GSacchetti".

Gary Sacchetti/Northglenn\_tk\_00

West Coast Regional Manager

Cc: Josh Stockwell / Fluid Technology

SPONSORED BY: MAYOR DOWNING

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-50  
Series of 2015

\_\_\_\_\_  
Series of 2015

A RESOLUTION TO AUTHORIZE THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO FLUID TECHNOLOGY IN AN AMOUNT NOT TO EXCEED \$29,200 FOR THE PURCHASE OF ONE LOW ZONE VERTICAL PUMP FOR THE WATER TREATMENT PLANT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The City Manager is hereby authorized to issue a Purchase Order to Fluid Technology in an amount not to exceed \$29,200 for the purchase of one Low Zone vertical pump for the Water Treatment Plant.

DATED at Northglenn, Colorado, this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
JOYCE DOWNING  
Mayor

ATTEST:

\_\_\_\_\_  
JOHANNA SMALL, CMC  
City Clerk

APPROVED AS TO FORM:

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COREY Y. HOFFMANN  
City Attorney