



*At the Heart of Community*

PUBLIC WORKS DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

---

**MEMORANDUM**

**Date:** March 30, 2020  
**To:** Ray Keller, Village Manager  
**From:** Steve Schmitt, Utilities Superintendent  
**Copy:** Michael J. Brown, Public Works Director  
**Subject:** **Pump Replacement at Quentin & Northwest Pumping Stations**

---

**Issue:** The original pumps for the Quentin and Northwest Sanitary Sewer Pumping Stations have reached the end of their useful life. To ensure pump station reliability, the pumps require replacement. In 2018 we began a program to replace one pump at each location per year, over a five (5) year period.

**Background:** The Quentin and Northwest Pumping Stations, constructed in 1993, utilize four pumps in normal operation and provide additional capacity during elevated flow conditions. The existing pumps are obsolete, worn and deteriorated. Repairing these pumps is no longer cost effective due to the high cost of the repairs and the limited service life obtained with each repair. Each pumping station also has one dedicated spare pump to replace a failed unit. At both Pumping Stations, the spare pumps have replaced failed units leaving us without a spare for either location.

**Analysis:** Flygt (pronounced flight) pumps and control systems are original for the Quentin and Northwest Sanitary Sewer Pumping Stations and are integral to each other (pumps vs controls) requiring replacements to be Flygt brand. Xylem Water Solutions USA, Inc. Flygt Products (Sole source vendor) has provided us a proposal for \$125,565.15 to provide one replacement pump with sensor modules for each pump station. The FY 2020 Budget includes \$139,500 for purchasing one replacement pump for each pump station. Pump replacements for Quentin and Northwest Pumping Stations have been planned for in the Village's 20-year Community Investment Plan.

**2014 – 2019 Strategic Plan:** This agenda item is consistent with the following Goals and Objectives of the Strategic Plan.

- Goal #3 – *Infrastructure: Develop a formalized, long-range sanitary sewer system improvement plan.*

**Recommendation:** Acceptance of proposal from Xylem Water Solutions USA, Inc. Flygt Products for purchasing one Flygt replacement pump each for the Quentin and Northwest Pumping Stations in an amount not to exceed \$125,565.15.

**W/Attachments:** Quotation from Xylem Water Solutions USA, Inc. Flygt Products (3 pages)



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

March 10, 2020

9661 194th Street  
Mokena, IL 60448  
Tel (708) 342-0484  
Fax (708) 342-0491

LAKE ZURICH WASTE WATER PLANT  
WASTE WATER PLANT  
505 TELSER RD  
LAKE ZURICH IL 60047

Quote # 2019-CHI-0208  
Re: Village of Lake Zurich, IL Quentin Rd. & Northwest P.S. Upgrades

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

**Northwest Pump Station**

Qty	Part Number	Description	Unit Price	Extended Price
1	1403231001222G	Flygt NP 3231, 63-680, 440 mm Intended for semi permanent wet installation, guiding claw included other installation components to be ordered individually Hard iron impeller and insert ring Coating: Duasolid 50, Oxyrane ester Drive Unit: 665 6 pole, 140 hp, 460 V, Std motor Cooling jacket for direct media cooling Insulated support bearing Cables Power: 100ft SUBCAB 3x50 + 2G35/2 + S(2x0,5) Cable Grip Included. Pilot: 50ft SUBCAB ctrl screened S 12x1.5 Cable Grip Included. Material Shaft: AISI 431 Stainless steel Supervision FLS, leakage detector, in junction box FLS, leakage detector, in stator housing PT-100 in one stator winding PT-100 in lower bearing Pump memory	\$ 65,618.50	\$ 65,618.50
1	40-50 11 41	BASE UNIT,MAS	\$ 4,216.04	\$ 4,216.04
1	14-69 00 09	START UP CHARGE FLYGT 1-TP MODELS: 3000,7000,8000	\$ 1,334.46	\$ 1,334.46
1	40-50 11 40	PANEL,OPERATOR MAS	\$ 1,323.16	\$ 1,323.16
1	14-40 41 12	TRANSFORMER,CURRENT 300:1	\$ 82.18	\$ 82.18

**Quentin Rd. Pump Station**

Qty	Part Number	Description	Unit Price	Extended Price
-----	-------------	-------------	------------	----------------



Qty	Part Number	Description	Unit Price	Extended Price
1	3301.185-0151	Flygt Model NP-3301.185 12" volute Submersible pump equipped with a 460 Volt / 3 phase / 60 Hz 70 HP 1150 RPM motor, 626 impeller, 1 x 50 Ft. length of SUBCAB 3x50+2G35/2+S(2x0,5) submersible cable, FLS leakage detector, volute is prepared for Flush Valve	\$ 46,460.15	\$ 46,460.15
1	14-69 00 09	START UP CHARGE FLYGT 1-TP MODELS: 3000,7000,8000	\$ 1,104.15	\$ 1,104.15
1	14-40 71 29	MINI-CASII/FUS 120/24VAC,24VDC	\$ 442.00	\$ 442.00
1	14-40 70 97	SOCKET,11 PIN OCTAL DIN MOUNT	\$ 42.50	\$ 42.50
<b>Total Project Price</b>				<b>\$ 120,623.15</b>
<b>Freight Charge</b>				<b>\$ 4,942.00</b>
<b>Total Project Price</b>				<b>\$ 125,565.15</b>

**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.xyleminc.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.
- Freight Terms:** 3 DAP - Delivered At Place 08 - Jobsite (per IncoTerms 2010)  
See Freight Payment (Delivery Terms) below.
- Taxes:** State, local and other applicable taxes are not included in this quotation.
- Back Charges:** Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.
- Shortages:** Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report damages or shortages so that replacement items can be shipped and the appropriate claims made.

**Taxes:** State, local and other applicable taxes are not included in this quotation.

**Terms of delivery:** PP/Add Order Position

**Terms of payment:** Net 30 Standard

**Terms of payment:** Net 60 Days

**Validity:** This Quote will expire in ninety (90) days unless extended in writing by Xylem Water Solutions USA, Inc..

**Customer Acceptance:** A signed facsimile copy of this quote is acceptable as a binding contract.



Signature: \_\_\_\_\_ Company/Utility: \_\_\_\_\_

Name : \_\_\_\_\_ Address: \_\_\_\_\_  
(PLEASE PRINT)

Email: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

PO#: \_\_\_\_\_ Fax: \_\_\_\_\_

**Schedule:** Please consult your local Flygt Branch Office to get fabrication and delivery lead times.

Thank you for the opportunity to provide this quotation. Please contact me if there are any further questions.

Sincerely,



Denny Weber  
District Sales Engineer

Cell: 224-500-8409  
denny.weber@xylem.com

