

VILLAGE OF JOHNSON CREEK
MEETING NOTICE
125 Depot Street, Johnson Creek, WI 53038

SPECIAL VILLAGE BOARD MEETING

January 12, 2015

Village Hall

125 Depot Street

5:30 p.m.

1. Call to order - Roll Call
2. Statement of Public Notice
3. Village Board Meeting December 29, 2014 – Referred
 - a) Resolution 112-14 Sewer Utility – Main Lift Station Pump- *pgs 1-3*
 - b) Resolution 113-14 Sewer Utility – Grell Lane Lift Station Pump – *pgs 4-7*
4. Next Meeting – January 26, 2015 – 5:30 p.m.
5. Adjourn

*Page/packet numbers relate to meeting packets distributed to appropriate commission/committee members.

NOTICE: It is possible that members of, and possibly a quorum of, other governmental bodies of the Village may be in attendance at the meeting above to gather information. No action will be taken by any governmental body at the meetings above other than by the governmental body specifically referred to in the above notice.

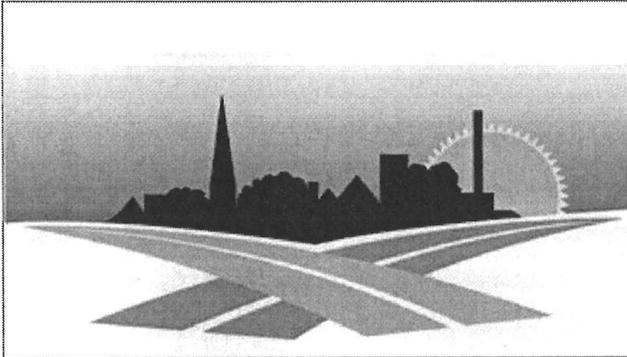
Requests from persons with hearing or sight disabilities who need assistance to participate in this meeting should be made to the Village Clerk's Office at (920) 699-2296 with as much advance notice as possible.

<i>Agenda Posting Information</i>	
Date Posted	
Time	a.m. / p.m.
Initials	

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Village of Johnson Creek

Crossroads With A Future



RESOLUTION 112-14

SEWER UTILITY MAIN LIFT STATION PUMP

Personnel and Finance Committee 12-18-14 *approved 3-0*

Village Board 12-29-14 *refer back to P&F to get additional bids 7-0*

Village Board 1-12-15

Requested by: Water and Wastewater Superintendent – Aric Mindemann

Introduced by: Village President Greg Schopp

RESOLUTION 112-14

SEWER UTILITY
MAIN LIFT STATION PUMP

THE VILLAGE BOARD OF THE VILLAGE OF JOHNSON CREEK, JEFFERSON COUNTY, WISCONSIN, DOES HEREBY RESOLVE AS FOLLOWS:

WHEREAS, one of three main lift station pumps has failed, and

WHEREAS, the pump is a pump of a proprietary manufacturer for the design of the plant and is necessary for the routine operation of the primary main lift station, and

WHEREAS, L.W. Allen is the sole supplier of the brand and type of pump needed for replacement, and

WHEREAS, MSA engineering has reviewed and approved the pump specifications and cost of the replacement pump, and

NOW THEREFORE BE IT RESOLVED, that the Board of Trustees of the Village of Johnson Creek approve the purchase and installation of a Hydromatic S6L3000M4 30hp, 460 volt pump with stainless wear ring and hydro testing with funding from the Sewer Equipment Replacement Fund 3-111.253 not to exceed \$15,000, and

BE IT FURTHER RESOLVED, that the Village Clerk/Treasurer and the Village Administrator are authorized to effectuate this resolution.

PASSED AND ADOPTED by the Village Board of the Village of Johnson Creek this 12th day of January, 2015.

Greg Schopp, Village President

ATTEST:

Lisa Trebatoski, Deputy Clerk – Treasurer

**Johnson Creek
Waste Water Department**
200 Aztalan St
P. O. Box 238
Johnson Creek, WI 53038
1-920-699-3341 Fax 1-920-699-2292

PURCHASE ORDER

The following number must appear on all related correspondence,
shipping papers, and invoices:
P.O. NUMBER: **04-2014 WWTP/WD**

To LW Allen

Ship To: Johnson Creek WWTP
200 Aztalan Street
PO Box 238
Johnson Creek, WI 53038

P.O. DATE	REQUISITIONER	SHIP VIA	F.O.B. POINT	TERMS
12/15/14	Aric Mindemann			30 day

QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1		New Hydromatic S6L3000M4-4 30hp 460 volt pump		11095.00
1		Stainless steel wear ring		600.00
1		HI, Megger and Hydro testing		1500.00
		Note: Replacement pump for main influent lift station. Pump #2 went off line on 12/09/14 and is unable to be fixed.		
SUBTOTAL				
SALES TAX (Tax Exempt)				\$13,195.0
SHIPPING & HANDLING				\$
OTHER				
TOTAL				\$13,195.0
1. Please send two copies of your invoice. 2. Enter this order in accordance with the prices, terms, delivery method, and specifications listed above. 3. Please notify us immediately if you are unable to ship as specified. 4. Send all correspondence to: Johnson Creek WWTP Department Attn: Aric Mindemann 200 Aztalan Street P. O. Box 238 Johnson Creek, WI 53038 920-699-3341 Fax 920-699-2292		Authorized by _____ Date _____		
Account Number:				
Administrator Approval:		Date:		
Funds Available:		Clerk Approval:		

Village of Johnson Creek

Crossroads With A Future



RESOLUTION 113-14

SEWER UTILITY GRELL LANE LIFT STATION PUMP

Personnel and Finance Committee 12-18-14 *approved 3-0*

Village Board 12-29-14 *refer back to P&F to get additional bids 7-0*

Village Board 1-12-15

Requested by: Water and Wastewater Superintendent – Aric Mindemann

Introduced by: Village President Greg Schopp

RESOLUTION 113-14

SEWER UTILITY
GRELL LANE LIFT STATION PUMP

THE VILLAGE BOARD OF THE VILLAGE OF JOHNSON CREEK, JEFFERSON COUNTY, WISCONSIN, DOES HEREBY RESOLVE AS FOLLOWS:

WHEREAS, one of two Grell Lane lift station pumps has failed, and

WHEREAS, the pump is a pump of a proprietary manufacturer for the design of the lift station and is necessary for the routine operation of the Grell Lane lift station, and

WHEREAS, L.W. Allen is the sole supplier of the brand and type of pump needed for replacement, and

WHEREAS, MSA engineering has reviewed and approved the pump specifications and cost of the replacement pump, and

NOW THEREFORE BE IT RESOLVED, that the Board of Trustees of the Village of Johnson Creek approve the purchase and installation of a Hydromatic H4HX XP 15hp, Bladeless pump with stainless wear ring and VFD electronic drive with funding source from the Sewer Equipment Replacement Fund 3-111.253 in an amount not to exceed \$20,000, and

BE IT FURTHER RESOLVED, that the Village Clerk/Treasurer and the Village Administrator are authorized to effectuate this resolution.

PASSED AND ADOPTED by the Village Board of the Village of Johnson Creek this 12th day of January, 2015.

Greg Schopp, Village President

ATTEST:

Lisa Trebatoski, Deputy Clerk – Treasurer

**Johnson Creek
Waste Water Department**
200 Aztalan St
P. O. Box 238
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1-920-699-3341 Fax 1-920-699-2292

PURCHASE ORDER

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shipping papers, and invoices:
P.O. NUMBER: **04-2014 WWTP/WD**

To LW Allen

Ship To: Johnson Creek WWTP
200 Aztalan Street
PO Box 238
Johnson Creek, WI 53038

P.O. DATE	REQUISITIONER	SHIP VIA	F.O.B. POINT	TERMS
12/15/14	Aric Mindemann			30 day

QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1		New Hydromatic H4HX (XP explosion proof) 15hp Bladeless pump		11900.00
1		Stainless steel wear ring		500.00
1		HI, Megger and Hydro testing		1500.00
1		VFD electronic drive compatible for the new 15hp pump		3800.00
Note: Replace and upgrade pump and VFD at Grell Ln				
SUBTOTAL				
SALES TAX (Tax Exempt)				0
SHIPPING & HANDLING				\$
OTHER				
TOTAL				\$17,700.0
1. Please send two copies of your invoice.		<p>Authorized by _____ Date _____</p>		
2. Enter this order in accordance with the prices, terms, delivery method, and specifications listed above.				
3. Please notify us immediately if you are unable to ship as specified.				
4. Send all correspondence to: Johnson Creek WWTP Department Attn: Aric Mindemann 200 Aztalan Street P. O. Box 238 Johnson Creek, WI 53038 920-699-3341 Fax 920-699-2292				
Account Number:				
Administrator Approval:		Date:		
Funds Available:		Clerk Approval:		

MEMO

To: Mark Johnsrud, Johnson Creek Village Administrator
Aric Mindemann, Johnson Creek Water and Sewer Superintendent

From: Pat Morrow, P.E.

Subject: Main Lift Station and Grell Lane Lift Station Pump Replacement Proposals

Date: January 8, 2015

Proposals were obtained from three manufacturers for the replacement of one (1) 30-HP Hydromatic S6L submersible pump at the Main Lift Station and one (1) 7.5 HP pump at the Grell Lane Lift Station with a new Allen-Bradley Variable Frequency Drive. With respect to Grell Lane, the proposed pump replacement would feature a Hydromatic H4HXP submersible pump with 15-HP motor to better accommodate future flows that might result from elimination of the Radium Removal System Backwash Tank at Well #3.

The manufacturers who were solicited included Hydromatic (represented locally by LW Allen), Xylem/Flygt Products (direct sales), and Wilo/EMU (represented locally by Energenecs).

Proposals required that the manufacturers provide pumps having similar performance characteristics as the Hydromatic pumps originally proposed for replacement. Specifically, the manufacturers were required to:

- Meet a design operating condition of 500 gpm @ 55' Total Dynamic Head at Main Lift;
- Meet a design operating condition of 565 gpm @ 32' Total Dynamic Head at Grell Lane;
- Provide pumps that offered similar capabilities for increased output, in the event that larger impellers would be installed in the pumps at a later date;
- Provide pumps that would meet or exceed the materials of construction and overall quality of the existing Hydromatic Pumps;
- Provide pumps that would fit through the existing access hatches at the Main Lift and Grell Lane;
- Submit documentation, including specifications, product data, and performance curves;
- Provide costs for the pumps, including installation, startup, and anticipated lead times.

Though each manufacturer does things a little bit different with respect to motor insulation, air-filled vs. oil-filled chamber, mechanical seal materials of construction and design, pump impeller design, and other details, the pumps proposed appear to be of similar quality. There is a possible exception that would need to be verified in the event the Village selected Wilo/EMU, which at the time of drafting this memo, I am still waiting for confirmation whether they provided an explosion proof motor for Grell Lane as was specified.

With respect to pump performance, the Wilo/EMU pump proposed for Grell Lane would provide too much flow (664 gpm instead of 565 gpm) without using the VFD to limit pump speed to a maximum of 51 Hz (instead of 60 Hz). However, due to time constraints, a re-submittal for a different pump was not possible.

Offices in Illinois, Iowa, Minnesota, and Wisconsin

1230 South Boulevard, Baraboo, WI 53913
(608) 356-2771 (800) 362-4505
FAX: (608) 356-2770 WEB ADDRESS: www.msa-ps.com

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MEMO

January 8, 2015

The other pump proposed by Wilo/EMU, as well as the pumps proposed by Flygt featured trimmed impellers to meet the design conditions specified.

All manufacturers proposed 15-HP motors as directed for Grell Lane. It was discovered during this evaluation process that there is a chance that the existing conduit between the wetwell and the building would need to be replaced with a larger size to accommodate the larger diameter pump cable provided for a 15 HP motor compared to the existing 7.5 HP motors. This will need to be verified.

The table below provides a summary of the costs that were received.

Item	LW Allen - Hydromatic		Xylem/Flygt		Energenecs - Wilo/EMU	
	Main Lift	Grell Lane	Main Lift	Grell Lane	Main Lift	Grell Lane
Pump	\$10,761.00	\$7,963.00	\$17,388.90	\$11,957.40	\$11,522.00	\$8,641.00
HI Test	\$630.00	\$630.00	\$261.00	\$261.00	\$550.00	\$550.00
Hydrostatic Test	\$400.00	\$400.00	\$975.00	\$739.00	\$500.00	\$500.00
Meggar	\$0.00	\$0.00	\$175.00	\$175.00	\$0.00	\$0.00
15 HP VFD (Grell)	N/A	\$3,782.00	N/A	\$2,215.38	N/A	\$5,000.00
Total Pumps Cost	\$11,791.00	\$12,775.00	\$18,799.90	\$15,347.78	\$12,572.00	\$14,691.00
Installation & Startup	\$500.00	\$500.00	\$1,082.00	\$1,082.00	\$1,400.00	\$1,400.00
Total Installed Cost	\$12,291.00	\$13,275.00	\$19,881.90	\$16,429.78	\$13,972.00	\$16,091.00
Pump Lead Time	6 weeks	10 weeks	13 weeks	13 weeks	8-10 weeks	8-10 weeks
Total Proposal Cost	\$25,566.00		\$36,311.68		\$30,063.00	

LW Allen’s proposal represents the lowest cost for pump replacement and the Hydromatic pumps are a commonly-used, economical and quality pump. The Village staff has developed a relationship with both LW Allen (Hydromatic Pumps) and Altronex (Control Systems) over the years and is pleased with the service that has been provided and overall performance of the pumps. Further, replacement of the existing Hydromatic pumps in-kind would eliminate the need to call on multiple firms (e.g. Flygt or Energenecs) in the event of warranty pump repair or troubleshooting. Finally, LW Allen and Altronex have an existing knowledge of both the pumps and the controls in place at the lift stations and wastewater treatment facility, as they have historically provided these services for the Village. For these reasons, Hydromatic is recommended.

Finally, it should be noted that the original ‘budgetary’ price provided to MSA by LW Allen was \$27,395. Their offered price is lower, at \$25,566. This is common practice in the industry. Essentially, when an Engineer asks for budget pricing quotes on behalf of a client during the planning phase or before the final design details and installation requirements are known, the manufacturers typically increase their ‘budgetary’ pricing slightly to accommodate any last-minute changes that might occur as additional information or requirements become known. In this fashion, the goal is that, on Bid Day, or when the manufacturer prepares the formal proposal, the final pricing will be at or below the budgeted amount and a request for additional funds is not necessary.