City of Newport
City Council Minutes
June 4, 2015

1. CALL TO ORDER
Mayor Geraghty called the meeting to order at 5:30 P.M.

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL -
Council Present – Tim Geraghty; Tom Ingemann; Bill Sumner; Tracy Rahm; Dan Lund

Council Absent –

Staff Present – Deb Hill, City Administrator; Bruce Hanson, Supt. of Public Works; Curt Montgomery, Police Chief; Steve Wiley, Fire Chief; Renee Eisenbeisz, Executive Analyst; Fritz Knaak, City Attorney; Jon Herdegen, City Engineer;

Staff Absent –

4. ADOPT AGENDA
Admin. Hill - I'd like to move the Strategic Initiatives to right after the Consent Agenda.

Motion by Rahm, seconded by Ingemann, to adopt the Agenda as amended. With 5 Ayes, 0 Nays, the motion carried.

5. ADOPT CONSENT AGENDA
Councilman Rahm - I'd like to pull the List of Bills for a discussion.

Motion by Sumner, seconded by Ingemann, to approve the Consent Agenda as amended, which includes the following items:

A. Minutes of the May 21, 2015 Regular City Council Meeting
B. Minutes of the May 21, 2015 City Council Workshop Meeting
D. Liquor License for Booya

With 5 Ayes, 0 Nays, the motion carried.

C. List of Bills in the Amount of $138,128.68

Councilman Rahm - I was looking at the list and I have a question. On the Recurring bills, we have a check for the Youth Service Bureau for $250 and then another check to them under the Non-Recurring bills for the same amount, is that a mistake? If it's paying for the year we didn't, I'm ok with that.

Admin. Hill - I'll take a look, it's probably a mistake.

Motion by Geraghty, seconded by Rahm, to approve the List of Bills in the amended amount of $137,878.68. With 5 Ayes, 0 Nays, the motion carried.

9.A - Approval of City's Strategic Initiatives

Dave Unmacht, Springsted, presented on this item as outlined in the June 4, 2015 City Council packet.

Councilman Rahm - Where do you we have this on our website? I've seen it before but I can't find it now.

Admin. Hill - I'll find out where that is.

Motion by Geraghty, seconded by Ingemann, to approve the Strategic Initiatives as presented. With 5 Ayes, 0 Nays, the motion carried.

6. VISITORS PRESENTATIONS/PETITIONS/CORRESPONDENCE

Tami and Dennis Mitchell, 925 Ellen Court - When Ford Road was reconstructed last year, the street lighting was changed and now the street light shines into our master bedroom and kitchen, as well as our backyard and deck so we cannot enjoy a bonfire or sitting on our deck in the evening. On a nice evening, we cannot even enjoy having our windows open more than one inch because light shines on our bed, making sleep very difficult, if not impossible. Because of a power pole and lines in our backyard, we cannot plant anything tall enough to block the light. At this time, we feel we cannot use our property as we would like to and we also have a street light in our front yard. How would you feel if this was your property. We are asking if this light can be moved so it will not be so intrusive or excessive on our property or us.

Mayor Geraghty - I was up at the property and was wondering, did they change the number of lights and locations?

Councilman Ingemann - Yes, they replaced two with one.

Mayor Geraghty - Can they move it to the north side of the road.

Supt. Hanson - I met with Xcel Energy on Tuesday and they were going to try to rotate it to the east, there's not a whole lot of room on the pole.

Councilman Ingemann - Why don't they put it on my pole?

Supt. Hanson - The purpose of that light is to light up the curve.

Councilman Ingemann - There used to be two there.

Supt. Hanson - I understand that but I don't think doubling it will cure the problem. Xcel was going to try to rotate it and put a two-three degree upslope which would hopefully take away some of the backlight.

Mayor Geraghty - It looks like they could have put one right at the curve.

Supt. Hanson - They are lighting specialists. They did the placement.

Mayor Geraghty - Were all the wires crossing over the road there before?

Mrs. Mitchell - No it wasn't. It zig-zags now.

Councilman Rahm - Are you telling us that moving it is not an option right now?

Supt. Hanson - It looks that way from Xcel. We talked about removing it and don't believe that's a safe solution.

Councilman Ingemann - I have a tough time with Xcel saying they can't move the light or change the fixture.

Mayor Geraghty - They can try rotating it but if that doesn't work, they'll need to change something. I haven't been up there at night but it seems like it would shine right through.

Mr. Mitchell - Have they tried moving it already? Some guy was out there on Tuesday when it was raining and he moved the angle but it's not working, the light is still coming down into our backyard. Can they change the fixture of that light to add a shield? We also asked Xcel about that pole and they didn't want to put the light there because there was so much on that pole already. You look around the City, the arms bend down or are at 90 degrees and ours shoots up. We would like to have it moved or removed. You can remove it on a trial basis. Further down on Ford Road, there aren't any lights, the people would have to drive slower to come up the curve. I understand why there's a light but if we get a choice, it's either move it or remove it.

Mrs. Mitchell - We're not interested in any light honestly. There were two lights before, one at the beginning of the curve and one at the end and they seemed to do the job. We did talk with the Outdoor Lighting at Xcel, they answered all of our questions and said what Dennis had said about putting the light there. The light that is on there right now, they don't shield that type. They said the City made that choice. They told us "the City lets us know where they want the light and they pay for that light."

Councilman Rahm - We need to find that out because if it's our choice, we can have them put it somewhere else.

Engineer Herdegen - I think that means that we choose which pole to put it on it doesn't mean we can move the pole.

Councilman Rahm - So we should find a different pole.

Mayor Geraghty - I think we need to have some more discussions with Xcel, Bruce and the Mitchell's to find a solution.

Councilman Ingemann - No light is not a solution because of security-wise.

Mrs. Mitchell - I understand that but I'm losing a lot of sleep because of it and starting to experience other problems.

Councilman Rahm - Are there two other poles there that were in the same spot?

Mrs. Mitchell - Pretty close.

Councilman Rahm - I think there are options here.

Councilman Lund - There aren't any different lights to pick from? The lens on that light is a diffusion light and spreads light 360 degrees and it seems to have a purpose to spread the light as far as possible. Can they put a different light on there?

Supt. Hanson - Xcel told me that that's the only light and style that could go there.

Mayor Geraghty - Then they should move the pole. Let's talk to them.

Councilman Ingemann - They can move it to my pole, it'll light up the end of the curve.

Mrs. Mitchell - There's a lot of light from it.

Councilman Sumner - I went up there at 10:00 p.m. at night on the deck and it gives an accurate ability to judge

how much light is coming in.

Councilman Rahm - I went there as well.

Mr. Mitchell - Also, the well has been done. We got the bill, not happy with it because it went from $7,000 to $11,000.

Mrs. Mitchell - The well went from 181 feet to 282 feet deep and when they filled it up, it went sideways and had to add cement and pearock. The guy from the State told them to put in 10 feet of pearock before grout, which is $75 per yard and the pearock is $80 per yard. We only have $4,000 in grant so the rest is on our dime.

Councilman Rahm - Is there any more grant money?

Admin. Hill - Not that I know of.

Mrs. Mitchell - We're working with the company to see what we can work out with them.

7. MAYOR'S REPORT –
Mayor Geraghty - As many of you know, Imperial Campers is under new ownership and they'll be having an open house this Saturday all day. We want to wish them well and hope they do a good job.

8. COUNCIL REPORTS –

Councilman Lund - Nothing to report.

Councilman Sumner - Nothing to report.

Councilman Ingemann - Nothing to report.

Councilman Rahm - Nothing to report.

9. ADMINISTRATOR'S REPORT –
B. Public Hearing - To consider, and possibly adopt, amendments to Chapter 5, Alcoholic Beverages

Admin. Hill presented on this item as outlined in the June 4, 2015 City Council packet.

Councilman Sumner - I was asked by the owner to state the fact that they would appreciate the earlier opening and that other areas can. I saw a note that other cities don't.

Executive Analyst Eisenbeisz - They haven't yet, it's per city ordinance.

Councilman Sumner - Let's set the standard and approve it. If we do, will it become effective immediately? They'd like to start serving on Sunday.

Executive Analyst Eisenbeisz - Yes, I'll let her know tomorrow.

The Public Hearing opened at 5:56 p.m.

The Public Hearing closed at 5:57 p.m.

Motion by Sumner, seconded by Ingemann, to approve Ordinance No. 2015-3 as presented. With 5 Ayes, 0 Nays, the motion carried.

C. Building Inspections Agreement with Cottage Grove

Admin. Hill presented on this item as outlined in the June 4, 2015 City Council packet.

Councilman Ingemann - I'd like to move it to a workshop for a discussion, the reason is related to fire inspections. We have people that are very qualified to do this. The City can keep the entire amount of the inspection fee because it would be under the fire payroll.

Councilman Lund - I'd second but do we have to table the entire thing?

Councilman Ingemann - If we can just remove item #13 that'd be fine.

Councilman Lund - I think there's advantages to having our fire department do the inspections for fire response.

Councilman Ingemann - It means more to the residents that your department is taking care of it then someone from a different city. There's credibility factors.

Councilman Rahm - Have we had any complaints of the current inspection system?

Admin. Hill - No.

Councilman Rahm - I have over time, heard that people have issues with the system. The main thing is a cost issue and then inspectors would come in for a preliminary inspection and a secondary inspection and would address different issues at the secondary inspection. They felt they were getting jerked around.

Admin. Hill - There are different inspections like rebar.

Councilman Rahm - These are things like electrical and standards that weren't pointed out in the first inspection. We can bring these things up at the workshop.

Mayor Geraghty - If we don't take any action, they'll continue to do the inspections right?

Admin. Hill - Yes.

Motion by Ingemann, seconded by Lund, to table this item until the July 16, 2015 City Council Workshop. With 5 Ayes, 0 Nays, the motion carried.

Mayor Geraghty - We won't have the first meeting in July, July 2nd.

D. Firefighter Minimum Wage Compliance

Admin. Hill presented on this item as outlined in the June 4, 2015 City Council packet.

Councilman Lund - Currently, it looks like we're paying them $2 under minimum wage? And we have pay rates of $6, $7, and $8 so it seems likely that we'll move it to $8, $9, and $10, can we do that now?

Mayor Geraghty - No, I think we should discuss that.

Councilman Rahm - And we're only going back two years because that's when it changed?

Admin. Hill - Yes and the State recommended that because it was unintentional.

Mayor Geraghty - This brings everyone up to $7.25?

Admin. Hill - Yes, the next increase is August 1, 2015.

Councilman Lund - We're bringing them up to $8.

Admin. Hill - It's $8 and will go to $9 in August I believe. We'll do some projections with budgeting as well.

Attorney Knaak - I don't want the Council to think there has been any type of violation on the part of the City. There has not, this has been an analysis of staff indicating that there might be a conflict and is intended to anticipate that possibility. It's important to emphasize that.

Councilman Lund - What's the difference between a volunteer and paid-on-call department?

Councilman Ingemann - Volunteer doesn't get any pay.

Councilman Lund - So any level of pay is a paid-on-call department?

Admin. Hill - Yes and we'll change the verbiage on our website too.

Councilman Ingemann - I'm in favor of it but I can't vote for it.

Motion by Sumner, seconded by Geraghty, to make the adjustment to correct the wages for firefighters and back pay for two years. With 4 Ayes, 0 Nays, Ingemann Abstaining, the motion carried.

Admin. Hill - The library lockers will be out of commission starting next week and will be at the transit station beginning June 15th.

Councilman Sumner - Will they be monitored there?

Councilman Rahm - When will we get our next update from the County on usage?

Executive Analyst Eisenbeisz - I gave a report to the Library Advisory Committee in January that I can send you through 2014.

10. ATTORNEY'S REPORT - Nothing to report.

11. POLICE CHIEF'S REPORT - Nothing to report.

12. FIRE CHIEF'S REPORT – Nothing to report.

13. ENGINEER'S REPORT – Nothing to report.

14. SUPERINTENDENT OF PUBLIC WORKS REPORT -
A. Public Hearing - To Receive Public Opinion on the Adequacy and Effectiveness of the Storm Water Pollution Prevention Program

The Public Hearing opened at 6:14 p.m.

Engineer Herdegen presented on this item as outlined in the June 4, 2015 City Council packet.

The Public Hearing closed at 6:21 p.m.

Councilman Lund - I have a quick comment and I don't think this is a problem to Newport. My yard backs up to the River and I see a ton of garbage floating in the River from the storm sewers in Minneapolis and St. Paul. It's not coming from people throwing it into the River. Are you aware of any attempt to catch garbage from the streets?

Engineer Herdegen - That's part of being a MS4 City, to have those bays and catch areas where you catch the garbage first. Retrofitting is the hardest part and a lot of those in St. Paul comes in under the water level and gets pulled in.

Councilman Lund - So St. Paul may not be in compliance? I'm not blaming us, we have a very clean city. It's a serious problem though.

Councilman Sumner - I have a question about the hydraulic fluid we see from trash pick-up companies. Is that ever monitored? Can we ask you to watch for it, is it citizen reporting, is it difficult to do anything about?

Supt. Hanson - It's difficult to monitor small leaks. We watch any excessive leaks that may flow into the River. That's a Department of Transportation thing.

Councilman Sumner - Who decides on sending out our sweeper?

Supt. Hanson - I do.

Councilman Sumner - What's involved in that decision?

Supt. Hanson - Timing and personnel. We've already cleaned catch basins three or four times this year. Essentially after every big rain, you'll need to clean catch basins throughout the City. They'll be plugged up with debris. That's an educational thing too that if you see some garbage or leaves, pick them up.

Councilman Sumner - Do we have bags down here if residents want to pick up trash?

Mayor Geraghty - We have a number of volunteers that adopt an area.

Motion by Ingemann, seconded by Rahm, to accept the 2014 Report. With 5 Ayes, 0 Nays, the motion carried.

B. Update Lift Stations 2, 3, and 4

Supt. Hanson presented on this item as outlined in the attached documents. Supt. Hanson is recommending that the City Council approve the quote from Quality Flow at a cost of $52,000. Quality Flow is the company that is installing the SCADA system and can move right into these upgrades. The SCADA project has been going very well and is up and running.

Mayor Geraghty - There's a big difference. Are they bidding the same pumps?

Supt. Hanson - They're quoting different pumps. One is not a better pump.

Councilman Lund - This will help with the higher cost for the SCADA system.

Mayor Geraghty - What did we quote for this project?

Supt. Hanson - $75,000.

Motion by Geraghty, seconded by Ingemann, to approve the quote from Quality Flow Systems for $52,000. With 5 Ayes, 0 Nays, the motion carried.

15. NEW/OLD BUSINESS

Councilman Lund - I have a couple things. One, I'd like to congratulate Deb for completing the FEMA grant application. Second, I'd like to start the clock on possibly allowing Sunday growler sales, that's another thing the Legislature just passed.

Executive Analyst Eisenbeisz - We can take a look at that.

16. ADJOURNMENT

Motion by Rahm, seconded by Geraghty, to adjourn the regular Council Meeting at 6:30 P.M. With 5 Ayes, 0 Nays, the motion carried.

Signed: _____
Tim Geraghty, Mayor

Respectfully Submitted,

Renee Eisenbeisz
Executive Analyst

CITY OF NEWPORT
596 7TH AVENUE
NEWPORT, MN 55055
(651) 459-5677
FAX: (651) 459-9883

May 26, 2015 Email Only: bill@qfsi.net

Bill Toennes
Quality Control & Integration, Inc.
800 6th Street NW
New Prague, MN 56071

RE: Request for Proposals, City of Newport
Dry Pit Submersible Pump Replacement – Lift Stations No. 2, No. 3 & No. 4

Dear Mr. Toennes,

The City of Newport is accepting sealed proposals for the conversion of three sanitary sewer lift stations. The stations will be converted to "Dry Pit Submersibles Pumps" replacing the existing vertical Chicago pumps as per the Technical Specifications enclosed with this letter. A complete bid shall include all work, materials, and equipment necessary to remove the existing equipment, install, start-up and test the new submersible dry pit pumps.

The City is in the process upgrading and expanding the existing SCADA system that manages the water and the sewer facilities. The Owner and SCADA contractor, Quality Integration and Control, will be furnishing and installing new control panels and devices at the lift stations. The responsive bidder will include all work and materials to coordinate the connection the new pumps to the new control panels.

Sealed proposals will be accepted at 1100 Bailey Road, Newport, MN 55055 or brhanson@mninter.net until 10:00 am on Wednesday, June 3, 2015. Prospective bidders are strongly encouraged to conduct a site visit and thorough inspection of lift station. Appointment are available upon request by calling (651) 459-2475. Thank you in advance for your time and consideration.

Sincerely,
City of Newport

Bruce Hanson
Superintendent of Public Works

Enc.

Technical Specification

The contractor shall install submersible non-clog sewage pumps manufactured by ABS, Flygt, KSB or equal (manufacturer to select appropriate pump model) capable of passing a 3" diameter solid sphere. The pumps shall operate at 1,800 rpm or less. The motors shall be non-overloading at any point on the pump curve. The motors shall be rated as explosion proof. The operating conditions are as follows:

	L.S. No. 2	L.S. No. 3	L.S. No. 4
Number of pumps:	2	2	2
Pump Application:		Submersible Dry Pit	
Design flow, gpm:	150	150	150
Total dynamic head, feet:	108	76	22
Minimum efficiency %:	45	45	45
Discharge diameter, inches:	4	4	4
Existing Pump		Chicago Pump Model LLC4	
Nominal Motor HP:	15	10	10
Voltage VAC:		230 VAC/3-Phase	
Speed:		1800 RPM Maximum	

Pumps and motors shall be rated for operation in dry well without cooling jacket. Pumps shall be provided with hardened hydraulics parts including the impeller and wear rings. Each Pump shall be provided with the following:

- Vertical Dry Pit Stand
- Suction Elbow
- Hardware, gaskets, and accessories
- Eccentric Reducer
- Gate Valve
- Spring arm check valve
- Concentric reducer
- Qualified labor to remove the pumps, piping, and appurtenances.
- Qualified labor to install the pumps, piping, and appurtenances.

Motor shaft and housing are to be isolated from the impeller by two independent mechanical shaft seals with an oil reservoir between them. The lower mechanical shaft seal, between the impeller and the oil reservoir, shall have lapped seal faces of tungsten carbide or silicon carbide. The upper seal shall be of carbon ceramic or better construction. Each seal interface shall be held in contact by its own spring system.

The integral motor and pump shaft shall be constructed of stainless steel. It shall be supported or completely sleeved by permanently lubricated upper and lower bearings. The upper bearings shall be ball bearings and the lower bearings shall be angular contact thrust bearings. The bearing shall have a B-10 bearing life of 40,000 hours minimum. The shaft diameter shall equal or exceed that of comparable KSB pump.

The pump rotating assembly shall be statically and dynamically balanced. The impeller shall be of gray cast iron, Class 30 or 40B, dynamically balanced, double shrouded non-clogging design having a long thrulet without acute turns. The impeller shall be capable of handling solids, fibrous materials, heavy

sludge and other matter found in normal sewage applications. The impeller shall be single or double vane design. The impeller shall be capable of passing spheres of 3" in diameter. The fit between the impeller and the shaft shall be a sliding fit with one key.

To insure maximum pump life and continuing high efficiencies, both pump casing and impeller shall be supplied with sewage pump standard, replaceable, hard metal wear rings. Soft metals with Brinell hardness ratings of less than 200 or elastomers are not acceptable.

The volute shall be of single piece design and shall have smooth fluid passages. The volute bottom shall be of a suction bell design. The volute, motor housing, and other major components shall be of gray cast iron, class 30, with smooth surfaces devoid of blow holes and other irregularities. The pump exterior shall be epoxy paint finish. All fasteners shall be 304 stainless steel.

All mating surfaces where watertight sealing is required shall be machined and fitted with nitrite rubber o-rings. The cable entry shall consist of a single cylindrical elastomer grommet, flanked by washers, all having close tolerance fit against the cable outside diameter to insure that no entry of moisture to the pump is possible even if the cable is damaged or severed below water level. The assembly shall provide ease of changing the cable when necessary using the same entry seal.

The motor shall be squirrel cage, induction, NEMA Design B type. The stator windings and leads shall be insulated with moisture resistant Class F insulation. The motor shall be designed for continuous operation in totally, partially, or non-submerged conditions. The pump shall be capable of sustaining a minimum of ten starts per hour.

The motor stator shall be held in place with a removable end ring so that it can be removed for repair in the field without heating the outer shell or using a press. The upper bearing housing shall be cast into the motor casing and not otherwise supported from the seal housing. The pump leads shall be terminated in a junction box on the top of the pump casing which is sealed on top and bottom.

Each phase of the motor shall contain a bimetallic temperature monitor in the upper portion of the stator windings. The monitors shall be connected in series and shall be coupled to the motor contractor coil such that any one switch opening will shut down the motor. It shall automatically reset once the stator temperature returns to normal.

An electrical probe shall be provided in the oil chamber for detecting the presence of water. A solid state device mounted in the pump control panel or in a separate enclosure shall send a low voltage, low amperage signal to the probe. If water enters the oil chamber, the probe shall close an electrical circuit and energize a warning light on the face of the control panel.

The pump motor cable and over temperature/moisture sensor cable shall be suitable for submersible pump application with P122-MSHA approval. It shall be at least as rugged as SO cable. The cable type and approval shall be permanently embossed on the cable jacket. The cables shall extend continuously from the pumps to the control panel.

QUALITY FLOW SYSTEMS, INC.

800 6th Street NW
New Prague, MN 56071

Phone(952)758-9445
Fax(952)758-9661

June 1, 2015

TO: City of Newport, MN
Mr. Bruce Hanson
Superintendant of Public Works

Subject: Dry Pit Submersible Pump Replacement - LS 2, 3, and 4

Dear Bruce;
Please find below a proposal for pump and valve replacement at the three lift stations. We are using KSB dry-pit submersibles for the project.

Lift Station 2:

Two	(2)	"KSB" Model KRT F80-250/74XKG-S, 230/3, 10 hp, heavy duty dry-pit submersible pump capable of pumping 150 gpm @ 108' TDH. To include: - 40' of power cord - 4" suction elbow with clean-out - 4" discharge - 10 hp, 230/3, 1750 rpm, explosion-proof motor - 4" X 8" concentric reducer - Close looped glycol cooling system - Seal/ overtemp sensors in pump - Lifting handle
One	(1)	Miscellaneous pipe fittings and materials to fit the new pumps
Two	(2)	Spring arm Check valves (4")
Two	(2)	Gate valve (4")
One	(1)	Required flange accessory kits (flange bolts and gaskets) as required
One	(1)	Labor to install the above pumps and associated valves and fittings for a complete and operational station.
One	(1)	Start-up and training.
One	(1)	Freight to the jobsite

Lift Station 2 – Total Delivered Sell Price $17,300.00 (+ tax)
(freight allowed to the jobsite)

Lift Station 3:

Two	(2)	"KSB" Model KRT E80-251/74XKG-S, 230/3, 10 hp, heavy duty dry-pit submersible pump capable of pumping 150 gpm @ 76' TDH. To include: - 40' of power cord - 4" suction elbow with clean-out - 4" discharge - 10 hp, 230/3, 1750 rpm, explosion-proof motor - 4" X 8" concentric reducer - Close looped glycol cooling system - Seal/ overtemp sensors in pump - Lifting handle
One	(1)	Miscellaneous pipe fittings and materials to fit the new pumps
Two	(2)	Spring arm Check valves (4")
Two	(2)	Gate valve (4")
One	(1)	Required flange accessory kits (flange bolts and gaskets) as required
One	(1)	Labor to install the above pumps and associated valves and fittings for a complete and operational station.
One	(1)	Start-up and training.
One	(1)	Freight to the jobsite

Lift Station 3 – Total Delivered Sell Price $17,900.00 (+ tax)
(freight allowed to the jobsite)

Lift Station 4:

Two	(2)	"KSB" Model KRT F80-250/46KG-S, 460/3, 10 hp, heavy duty dry-pit submersible pump capable of pumping 150 gpm @ 22' TDH. To include: - 40' of power cord - 4" suction elbow with clean-out - 4" discharge - 6.5 hp, 230/3, 1160 rpm, explosion-proof motor - 4" X 8" concentric reducer - Close looped glycol cooling system - Seal/ overtemp sensors in pump - Lifting handle
One	(1)	Miscellaneous pipe fittings and materials to fit the new pumps
Two	(2)	Spring arm Check valves (4")
Two	(2)	Gate valve (4")
One	(1)	Required flange accessory kits (flange bolts and gaskets) as required
One	(1)	Labor to install the above pumps and associated valves and fittings for a complete and operational station.
One	(1)	Start-up and training.
One	(1)	Freight to the jobsite

Lift Station 4 – Total Delivered Sell Price $16,800.00 (+ tax)
(freight allowed to the jobsite)

Total Materials and Labor for Three Lift Stations - $52,000.00 (+ tax)

If you have questions or require this to be quoted different, please give me a call.

Sincerely,

Patrick Malay

Patrick Malay

CITY OF NEWPORT
596 7TH AVENUE
NEWPORT, MN 55055
(651) 459-5677
FAX: (651) 459-9883

May 26, 2015 Email Only: tj@minnesotapumpworks.com

Tammy Jo Riebe
Sales Account Manager
Minnesota Pump Works
9140 Baltimore St. NE, Suite 1408
Blaine, MN 55449

RE: Request for Proposals, City of Newport
Dry Pit Submersible Pump Replacement – Lift Stations No. 2, No. 3 & No. 4

Dear Ms. Riebe,

The City of Newport is accepting sealed proposals for the conversion of three sanitary sewer lift stations. The stations will be converted to "Dry Pit Submersibles Pumps" replacing the existing vertical Chicago pumps as per the Technical Specifications enclosed with this letter. A complete bid shall include all work, materials, and equipment necessary to remove the existing equipment, install, start-up and test the new submersible dry pit pumps.

The City is in the process upgrading and expanding the existing SCADA system that manages the water and the sewer facilities. The Owner and SCADA contractor, Quality Integration and Control, will be furnishing and installing new control panels and devices at the lift stations. The responsive bidder will include all work and materials to coordinate the connection the new pumps to the new control panels.

Sealed proposals will be accepted at 1100 Bailey Road, Newport, MN 55055 or brhanson@mninter.net until 10:00 am on Wednesday, June 3, 2015. Prospective bidders are strongly encouraged to conduct a site visit and thorough inspection of lift station. Appointment are available upon request by calling (651) 459-2475. Thank you in advance for your time and consideration.

Sincerely,
City of Newport

Bruce Hanson
Superintendent of Public Works

Enc.

Technical Specification

The contractor shall install submersible non-clog sewage pumps manufactured by ABS, Flygt, KSB or equal (manufacturer to select appropriate pump model) capable of passing a 3" diameter solid sphere. The pumps shall operate at 1,800 rpm or less. The motors shall be non-overloading at any point on the pump curve. The motors shall be rated as explosion proof. The operating conditions are as follows:

	L.S. No. 2	L.S. No. 3	L.S. No. 4
Number of pumps:	2	2	2
Pump Application:		Submersible Dry Pit	
Design flow, gpm:	150	150	150
Total dynamic head, feet:	108	76	22
Minimum efficiency %:	45	45	45
Discharge diameter, inches:	4	4	4
Existing Pump		Chicago Pump Model LLC4	
Nominal Motor HP:	15	10	10
Voltage VAC:		230 VAC/3-Phase	
Speed:		1800 RPM Maximum	

Pumps and motors shall be rated for operation in dry well without cooling jacket. Pumps shall be provided with hardened hydraulics parts including the impeller and wear rings. Each Pump shall be provided with the following:

- Vertical Dry Pit Stand
- Suction Elbow
- Hardware, gaskets, and accessories
- Eccentric Reducer
- Gate Valve
- Spring arm check valve
- Concentric reducer
- Qualified labor to remove the pumps, piping, and appurtenances.
- Qualified labor to install the pumps, piping, and appurtenances.

Motor shaft and housing are to be isolated from the impeller by two independent mechanical shaft seals with an oil reservoir between them. The lower mechanical shaft seal, between the impeller and the oil reservoir, shall have lapped seal faces of tungsten carbide or silicon carbide. The upper seal shall be of carbon ceramic or better construction. Each seal interface shall be held in contact by its own spring system.

The integral motor and pump shaft shall be constructed of stainless steel. It shall be supported or completely sleeved by permanently lubricated upper and lower bearings. The upper bearings shall be ball bearings and the lower bearings shall be angular contact thrust bearings. The bearing shall have a B-10 bearing life of 40,000 hours minimum. The shaft diameter shall equal or exceed that of comparable KSB pump.

The pump rotating assembly shall be statically and dynamically balanced. The impeller shall be of gray cast iron, Class 30 or 40B, dynamically balanced, double shrouded non-clogging design having a long thrulet without acute turns. The impeller shall be capable of handling solids, fibrous materials, heavy

sludge and other matter found in normal sewage applications. The impeller shall be single or double vane design. The impeller shall be capable of passing spheres of 3" in diameter. The fit between the impeller and the shaft shall be a sliding fit with one key.

To insure maximum pump life and continuing high efficiencies, both pump casing and impeller shall be supplied with sewage pump standard, replaceable, hard metal wear rings. Soft metals with Brinell hardness ratings of less than 200 or elastomers are not acceptable.

The volute shall be of single piece design and shall have smooth fluid passages. The volute bottom shall be of a suction bell design. The volute, motor housing, and other major components shall be of gray cast iron, class 30, with smooth surfaces devoid of blow holes and other irregularities. The pump exterior shall be epoxy paint finish. All fasteners shall be 304 stainless steel.

All mating surfaces where watertight sealing is required shall be machined and fitted with nitrite rubber o-rings. The cable entry shall consist of a single cylindrical elastomer grommet, flanked by washers, all having close tolerance fit against the cable outside diameter to insure that no entry of moisture to the pump is possible even if the cable is damaged or severed below water level. The assembly shall provide ease of changing the cable when necessary using the same entry seal.

The motor shall be squirrel cage, induction, NEMA Design B type. The stator windings and leads shall be insulated with moisture resistant Class F insulation. The motor shall be designed for continuous operation in totally, partially, or non-submerged conditions. The pump shall be capable of sustaining a minimum of ten starts per hour.

The motor stator shall be held in place with a removable end ring so that it can be removed for repair in the field without heating the outer shell or using a press. The upper bearing housing shall be cast into the motor casing and not otherwise supported from the seal housing. The pump leads shall be terminated in a junction box on the top of the pump casing which is sealed on top and bottom.

Each phase of the motor shall contain a bimetallic temperature monitor in the upper portion of the stator windings. The monitors shall be connected in series and shall be coupled to the motor contractor coil such that any one switch opening will shut down the motor. It shall automatically reset once the stator temperature returns to normal.

An electrical probe shall be provided in the oil chamber for detecting the presence of water. A solid state device mounted in the pump control panel or in a separate enclosure shall send a low voltage, low amperage signal to the probe. If water enters the oil chamber, the probe shall close an electrical circuit and energize a warning light on the face of the control panel.

The pump motor cable and over temperature/moisture sensor cable shall be suitable for submersible pump application with P122-MSHA approval. It shall be at least as rugged as SO cable. The cable type and approval shall be permanently embossed on the cable jacket. The cables shall extend continuously from the pumps to the control panel.

Estimate

Minnesota Pump Works
Fluid Handling Professionals

1 CANNON ST W
DUNDAS, MN 55019
Phone: 507-645-8004
email: info@minnesotapumpworks.com

Date	Estimate No.
6/3/2015	2590

Name/Address
Newport, MN City of Bruce Hanson 596 - 7th Avenue Newport, MN 55055

Project
5th Street Lift Station

Description	Qty
5TH STREET LIFT STATION LIFT STATION #3	
XFP100E CB1.1 PE105/4 14HP/3PHASE **VERIFY VOLTAGE	2
HARDENING HYDRAULICS - LEADING EDGE OF IMPELLER & WEAR PLATE	2
ABS 41826089 VERTICAL DRY PIT STAND	2
ABS 62306219 HARDWARE KIT (PUMP TO STAND)	2
ABS 40536011 SUCTION ELBOW 4" W/ CLEANOUT	2
ABS 62306272 HARDWARE KIT (SUCTION ELBOW TO PUMP)	2
4"X6" ECCENTRIC REDUCER - FLXFL	2
4" GATE VALVE	2
4" BOLT & GASKET KIT	2
6" GATE VALVE	2
6" BOLT & GASKET KIT	2
4" SPRING ARM CHECK VALVE	2
4" BOLT & GASKET KIT	2
4"X6' DIP FLXFL	1
CONFINED SPACE ENTRY	1
ON-SITE SERVICE LABOR - 2 GUYS @ 16HRS EACH	32
SERVICE DRIVE TIME	1
SERVICE TRUCK MILEAGE	60
FREIGHT IN - APPROX.	1
BYPASS BY OTHERS	
Sales Tax	

Total	$31,518.00

Estimate

Minnesota Pump Works
Fluid Handling Professionals

1 CANNON ST W
DUNDAS, MN 55019
Phone: 507-645-8004
email: info@minnesotapumpworks.com

Date	Estimate No.
6/3/2015	2591

Name/Address
Newport, MN City of Bruce Hanson 596 - 7th Avenue Newport, MN 55055

Project
12th Street Lift Station

Description	Qty
12TH STREET LIFT STATION - LIFT STATION #2	
XFP100E CB1.1 PE105/4 14HP/3PHASE **VERIFY VOLTAGE	2
HARDENING HYDRAULICS - LEADING EDGE OF IMPELLER & WEAR PLATE	2
ABS 41826089 VERTICAL DRY PIT STAND	2
ABS 62306219 HARDWARE KIT (PUMP TO STAND)	2
ABS 40536011 SUCTION ELBOW 4" W/ CLEANOUT	2
ABS 62306272 HARDWARE KIT (SUCTION ELBOW TO PUMP)	2
4"X6" ECCENTRIC REDUCER - FLXFL	2
4" GATE VALVE	2
4" BOLT & GASKET KIT	2
6" GATE VALVE	2
6" BOLT & GASKET KIT	2
4" SPRING ARM CHECK VALVE	2
4" BOLT & GASKET KIT	2
4"X6' DIP FLXFL	1
CONFINED SPACE ENTRY	1
ON-SITE SERVICE LABOR - 2 GUYS @ 16HRS EACH	32
SERVICE DRIVE TIME	1
SERVICE TRUCK MILEAGE	60
FREIGHT IN - APPROX.	1
BYPASS BY OTHERS	
Sales Tax	

Total **$31,518.00**

Estimate

Date	Estimate No.
6/3/2015	2592

Minnesota Pump Works
Fluid Handling Professionals

1 CANNON ST W
DUNDAS, MN 55019
Phone: 507-645-8004
email: info@minnesotapumpworks.com

Name/Address
Newport, MN City of Bruce Hanson 596 - 7th Avenue Newport, MN 55055

Project
17th Street Lift Station

Description	Qty
17TH STREET LIFT STATION - LIFT STATION #4	
XFP100E CB1.1 PE105/4 14HP/3PHASE **VERIFY VOLTAGE	2
HARDENING HYDRAULICS - LEADING EDGE OF IMPELLER & WEAR PLATE	2
ABS 41826089 VERTICAL DRY PIT STAND	2
ABS 62306219 HARDWARE KIT (PUMP TO STAND)	2
ABS 40536011 SUCTION ELBOW 4" W/ CLEANOUT	2
ABS 62306272 HARDWARE KIT (SUCTION ELBOW TO PUMP)	2
4"X6" ECCENTRIC REDUCER - FLXFL	2
4" GATE VALVE	2
4" BOLT & GASKET KIT	2
6" GATE VALVE	2
6" BOLT & GASKET KIT	2
4" SPRING ARM CHECK VALVE	2
4" BOLT & GASKET KIT	2
4"X6' DIP FLXFL	1
CONFINED SPACE ENTRY	1
ON-SITE SERVICE LABOR - 2 GUYS @ 16HRS EACH	32
SERVICE DRIVE TIME	1
SERVICE TRUCK MILEAGE	60
FREIGHT IN - APPROX.	1
BYPASS BY OTHERS	
Sales Tax	

Total **$31,518.00**