



**DISTRICT OF HUDSON'S HOPE
REGULAR COUNCIL MEETING AGENDA**

AGENDA ADDITION

Council Chambers

Tuesday, October 14, 2014 at 7:00 PM

Staff Reports

SR16 Repairs to Kendrick Lift Station

REQUEST FOR DECISION

RFD#: IC 7SR	Date: October 14, 2014
Meeting#: CM101414	Originator: Tom Matus, CAO
RFD TITLE: Repairs to Kendrick Lift Station	

BACKGROUND:

A failure to the Kendrick lift station on September 7th or 8th, we suspect, caused sewage back-up and overflow into several residences within and around Garbitt Crescent.

DISCUSSION:

After extensive investigation with staff we have determined that the installation of an alert/alarm system in the lift station connected to the auto-dialer in the arena and the refitting of our lift station pumps with impellers that can "grind" debris is the best action we can take to mitigate, somewhat, this from happening again. Though, this will not alleviate the problem of the shallow grade of the sewer main which we believe is part and parcel of the overflowing of sewage into these residences - this sewer main being installed in the 1960's.

To note: I obtained a (favourable) legal opinion to determine the District of Hudson's Hope liability: I included the fact that we would be correcting/mitigating future mishap by purchasing/affecting the aforementioned repair and action.

BUDGET:

The damaged pump to repair is 6,171.73. A brand new Flygt pump with the impellor upgrade is \$7,585.00; and flush valve (flush valve which we normally purchase is \$3,600) = 11,185.00.

The alarm system to the arena auto-dialer (EWH) = \$3,000 to \$5,000.00.


Pump:	\$11,185.00
Alarm/alert system:	\$5,000.00

	\$16,185.00

RECOMMENDATION / RESOLUTION:

That Council:

Approve the expenditure of \$16,185.00 for the lift station repair from the Capital Sewer budget.



Tom Matus, CAO

7804 100th Ave Fort St. John, BC V1J 1V9
Ph: 250-787-0082 Fax: 250-787-0051



Fax Kendrick Sewer Lift
oct 7/14

To: District of Hudson Hope Fax: 250-783-5741
From: Jasmine Pickell Date: October 6, 2014
Attn: Ed Pages: 2

Re: Flygt Pump Quote

Urgent For review Please comment Please reply Please recycle

Good morning Ed,

Please see below for some numbers and availabilities for one of the Flygt pumps that were dropped off here.

I'll keep them separate so that hopefully it's clear what happened with each of them!

x1) This is the one that was in service and had the power cables severed.
The pump was found to be in pretty bad shape overall. The costs would be as follows to repair- doesn't include the electrical inspection to date:

Motor Repair Cost (needs new windings, cable, etc.)	\$3,120.00
Pump Repair Cost (needs new stator, mech. Seal, gaskets and possibly housing)	\$ 726.73
Pump Housing	\$1,405.00
Labour Costs	\$ 920.00
Approximate total	\$6,171.73

Cost of a new unit with the upgraded impellor (around a \$200.00 upgrade)

Part Number: : 00 - 3102 160 0053 - 0

Description: FLYGT MODEL **NP-3102** SUBMERSIBLE PUMP **230 VOLT 1/60**
3.9HP/2.9KW 1755 RPM MT **IMP 464** VOL 4 16M 4G4+2x1,5
C/W FLS,ADAPTIVE N FLUSH VALVE READY

Total **\$7,585.00** *freight & taxes extra

Delivery: 9-11 Weeks

Flush Valve 4901 Std. Version c/w One Bent Nozzle P/N 586 6800 **\$3,600.00 plus freight and taxes.**

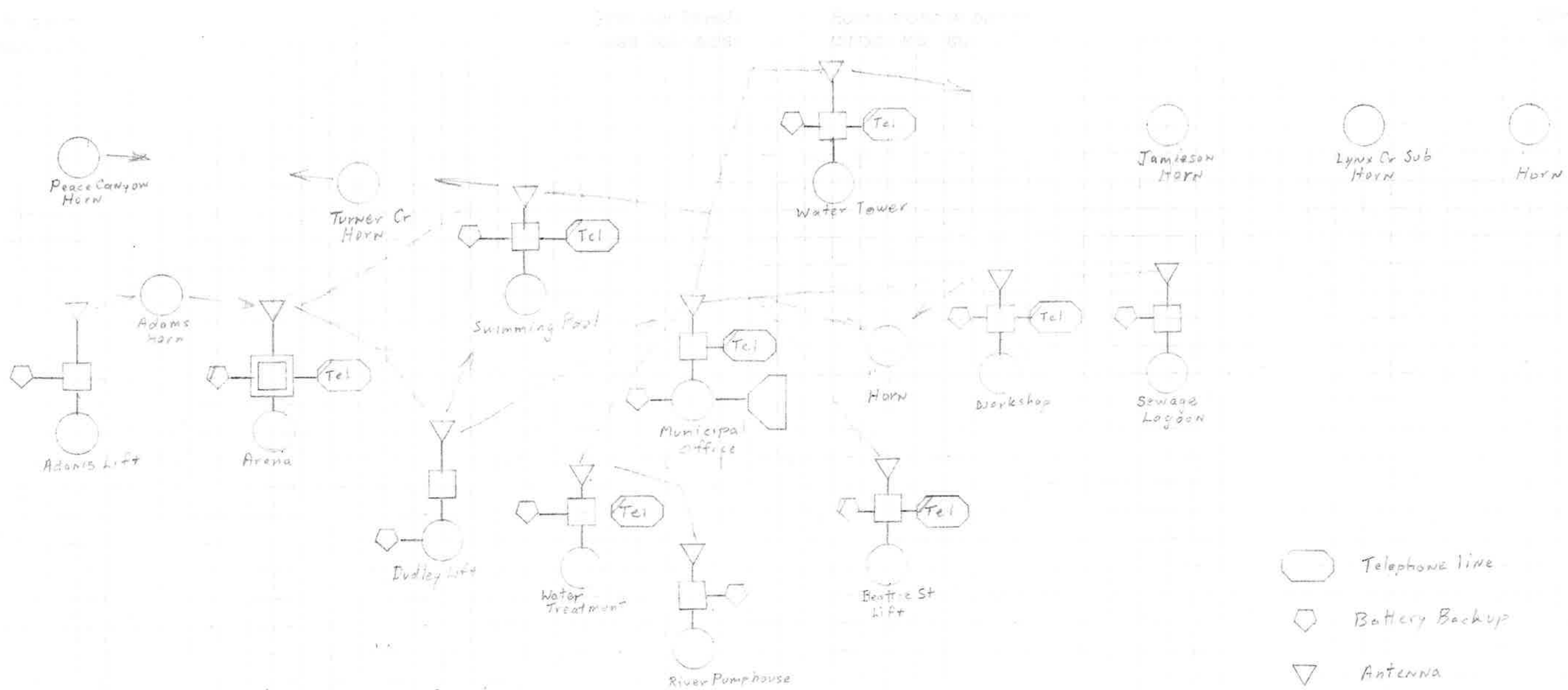
Delivery 1-2 weeks upon confirmation

x2) The one that BC Hydro provided you with is in good shape all around and should be all good for service. There will be minimal costs for the electrical bill and approx. 2 hours labour from our shop. It is pretty much done, we'd just like to paint it and it's good to be picked up!

I hope this answers some of your questions and please feel free to call me!
Let me know how you would like to proceed at your earliest convenience.

Regards,

Jasmine



stage 1: Dudley lift - Arena - Telephone

EWH 10 Oct 2014