



## CITY of NOVI CITY COUNCIL

**Agenda Item E**  
**March 23, 2015**

**SUBJECT:** Approval of Change Order No. 1 to Great Lakes Power and Lighting for the 2014 Sanitary Lift Station project in the amount of \$68,800 to add the installation of a permanent generator at the Taft Knolls Lift Station, located on the east side of Taft Road south of Jacob Drive.

**SUBMITTING DEPARTMENT:** Department of Public Services, Water and Sewer Division *TDK LJA*

**CITY MANAGER APPROVAL:** *[Signature]*

<b>EXPENDITURE REQUIRED</b>	<b>\$ 68,800</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 243,695</b>
<b>LINE ITEM NUMBER</b>	<b>592-592.00-976.001</b>

### BACKGROUND INFORMATION:

The 2014 Sanitary Lift Station Upgrades project initially involved installation of natural gas-powered generator sets at two existing lift stations: Regency Lift Station and Knightsbridge Lift Station. Bids were received on November 13, 2014 for this work and a construction contract was awarded to Great Lakes Power and Lighting in the amount of \$121,980. A copy of the November 24, 2014 Council motion packet for this work is attached for reference. Because the bid amount was lower than the amount budgeted for this project, the Department of Public Services (DPS) recently requested a quote from Great Lakes Power and Lighting to furnish and install a natural gas-powered generator set at the Taft Knolls Lift Station, which is the last remaining lift station in the City that is not equipped with back-up power. A location map for this site is also provided for reference. Great Lakes Power and Lighting tendered a quote for the Taft Knolls installation in the amount of \$68,800, not including inspection crew days. Given that the bid prices for the Regency and Knightsbridge sites average to approximately \$61,000 per site, the quote for the proposed Taft Knolls generator installation appears to be reasonable. For this reason, DPS recommends award of the attached change order in the amount of \$68,800, which would make the contract price \$190,780. This amount plus engineering fees are well under the project's budgeted amount.

A permanent generator at this location would better prevent sanitary sewer backups caused by power failures by automatically restoring power without relying on delivery of a portable generator by City personnel. Using natural gas as the fuel source is not only more cost effective, but because this station would be connected to a gas main, there would be an uninterrupted supply. During prolonged outages, diesel generators must be frequently re-fueled.

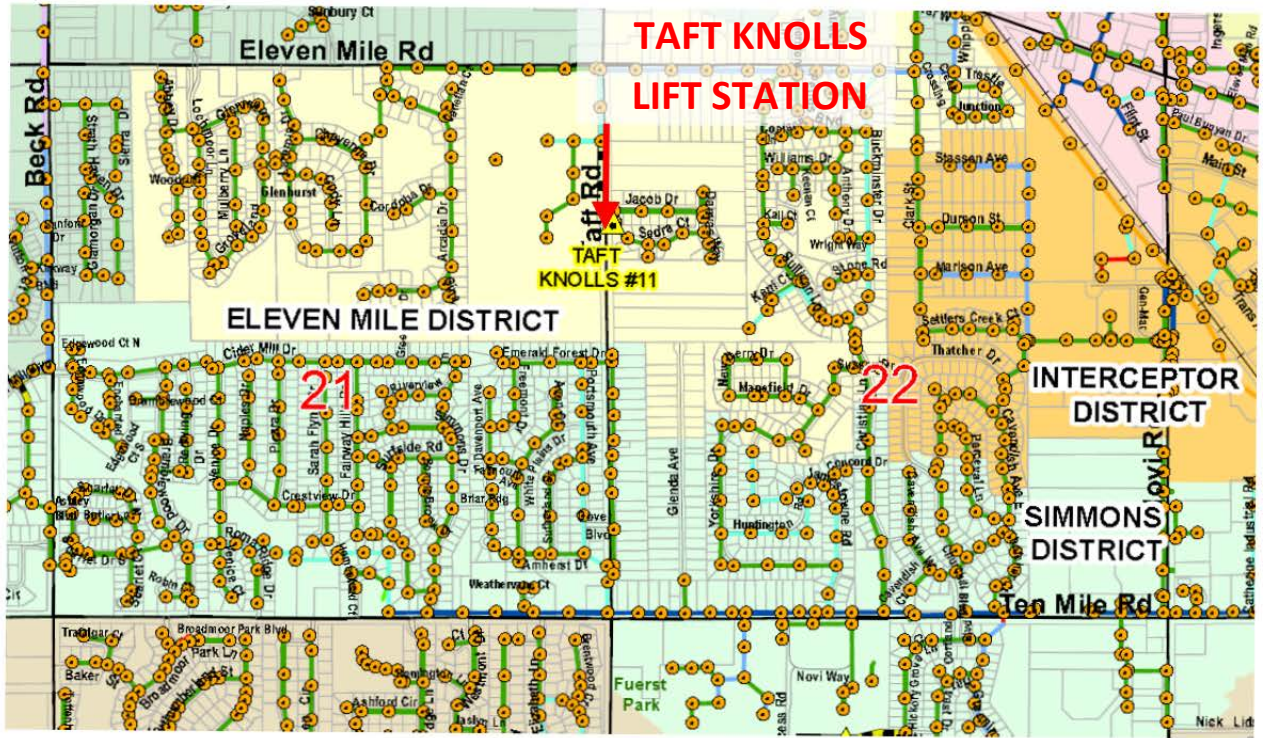
All work under this contract is to be substantially complete by May 1, 2015 according to the current contract time.

**RECOMMENDED ACTION:** Approval of Change Order No. 1 to Great Lakes Power and Lighting for the 2014 Sanitary Lift Station project in the amount of \$68,800 to add the installation of

a permanent generator at the Taft Knolls Pump Station, located on the east side of Taft Road south of Jacob Drive.

	1	2	Y	N
<b>Mayor Gatt</b>				
<b>Mayor Pro Tem Staudt</b>				
<b>Council Member Casey</b>				
<b>Council Member Markham</b>				

	1	2	Y	N
<b>Council Member Mutch</b>				
<b>Council Member Poupard</b>				
<b>Council Member Wrobel</b>				





### New Contract Items

Item No.	Division	Item Description	Unit	Unit Price	Quantity	Contract Price	
						Add	Deduct
15	Part III	Bonds, Insur. & Mobilization	LS	\$3,300.00	1	\$3,300.00	
16	Part III	Pre-Con Audio-Visual	LS	\$1,000.00	1	\$1,000.00	
17	Part III	Install Generator	LS	\$52,000.00	1	\$52,000.00	
18	Part III	Natural Gas Ser. Allowance	LS	\$10,000.00	1	\$10,000.00	
19	Part III	Restoration	LS	\$2,500.00	1	\$2,500.00	

<b>Subtotals</b>	\$68,800.00	\$0.00
<b>Total</b>	<b>\$68,800.00</b>	

<b>Estimated Increase/Decrease in Contract Price</b>	<b>\$68,800.00</b>
<b>Original Contract Amount</b>	<b>\$121,980.00</b>
<b>Sum of Previous Approved Change Orders</b>	<b>\$0.00</b>
<b>Estimated Revised Contract Amount</b>	<b>\$190,780.00</b>

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT  
 TIME BY: TBD Day(s)

Accepted By: Kurt RL  
Great Lakes Power & Lighting

Date: 3/6/15

Prepared By: John E Bell  
Spalding DeDecker & Associates

Date: 03/09/2015

Reviewed By: Timothy Kuhns  
Timothy Kuhns, P.E., Water & Sewer Manager

Date: 03/09/2015

Approved By: Rob Hayes  
Rob Hayes, P.E., DPS Director/City Engineer

Date: 3/9/15

and

Approved By: \_\_\_\_\_  
Sue Moriantl, Purchasing Manager

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



CHANGE ORDER No. 1

**PURCHASE ORDER NO.**  
94407

**Project:** Regency-Knightsbridge Gen Sets

**Owner:** City of Novi  
26300 Lee BeGole Dr.  
Novi, Michigan 48375  
(248) 735-5632

**Engineer:** Spalding DeDecker & Associates  
905 South Boulevard East  
Rochester, Michigan 48037  
(248) 844-5400

**Contractor:** Great Lakes Power & Lighting  
9646 Marine City Highway  
Casco, Michigan 48064  
(586) 716-4000

**Drafted Date:** March 3, 2015

**Description/Reasoning:** Addition of a generator at the existing Taft Knolls Lift Station.

To the Contractor: You are hereby directed to comply with the changes to the contract documents. This change order reflects work completed or anticipated. Documentation supporting these changes are on file with the City of Novi's Engineer. Current project plans and specifications will be adhered to unless specifically changed by this change order document.

THE CONTRACT AMOUNT SHALL BE CHANGED BY THE SUM OF:	\$68,800.00
ORIGINAL CONTRACT AMOUNT:	\$121,980.00
SUM OF PREVIOUS APPROVED CHANGE ORDERS:	\$0.00
REVISED CONTRACT AMOUNT:	\$190,780.00

\*\*\*Where applicable, attach the corresponding number of Work Change Directive to this Change Order.\*\*\*

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CREW DAY TIME BY: 5 Day(s)      ADD:       DEDUCT:

THE CHANGES ADDRESSED BY THIS CHANGE ORDER HEREBY ADJUSTS THE CONTRACT TIME BY: TBD Day(s)

Accepted By: Kurt Paul  
Great Lakes Power & Lighting

Date: 3/6/15

Prepared By: John C. Burt  
Spalding DeDecker & Associates

Date: 03/09/2015

Reviewed By: Timothy Kuhns  
Timothy Kuhns, P.E., Water & Sewer Manager

Date: 03/09/2015

Approved By: Rob Hayes  
Rob Hayes, P.E., DPS Director/City Engineer

Date: 3/9/15

and  
Approved By: \_\_\_\_\_  
Sue Morlant, Purchasing Manager

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





**CITY of NOVI CITY COUNCIL**

**Agenda Item 4  
November 24, 2014**

**SUBJECT:** Approval to award a construction contract for Regency Centre and Knightsbridge Gate Lift Station Upgrades to Great Lakes Power & Lighting, the low bidder, in the amount of \$121,980.

**SUBMITTING DEPARTMENT:** Department of Public Services, Engineering Division *RJH*  
 Department of Public Services, Water and Sewer Division *BIC TDK*

**CITY MANAGER APPROVAL:** *[Signature]*

<b>EXPENDITURE REQUIRED</b>	<b>\$ 121,980</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 243,695</b>
<b>LINE ITEM NUMBER</b>	<b>592-592.00-976.001</b>

**BACKGROUND INFORMATION:**

The proposed 2014 Sanitary Lift Station Upgrades project involves installation of natural gas-powered generator sets at two existing sanitary lift stations: Regency Pump Station and Knightsbridge Pump Station (see attached location map). The pump stations were constructed by the developer of each site, and each developer provided a portable diesel generator to the City. A permanent generator at these locations would better prevent sanitary sewer backups caused by power failures by automatically restoring power without relying on delivery of a portable generator by City personnel. Using natural gas as the fuel source is not only more cost effective, but because each station would be connected to a gas main, there would be an uninterrupted supply. During prolonged outages, diesel generators must be frequently re-fueled.

Three (3) bids were received and opened on November 13, 2014 following a public bid solicitation period. The lowest bidder is Great Lakes Power and Lighting (GLPL). GLPL's bid is recommended as being in the best interest of the City as it is responsive (i.e., GLPL has complied with all requirements of the bidding instructions) and it is the lowest price. (SDA's award recommendation letter including the bid tabulation dated November 17, 2014 is attached). A summary of the three bids is as follows:

<b>Contractor</b>	<b>Bid Price (including Crew Days)*</b>
Great Lakes Power and Lighting	<b>\$127,100</b>
J. Ranck Electric Inc.	\$136,172
Corby Energy Services, Inc.	\$178,176

\*Crew Days are included to compare bids, but are not included in the award.

GLPL has successfully completed work for the City in the past, and currently has an electrical services contract with the City.

The project is being awarded now to allow for the acquisition of the generators which have a lead time of 8 to 12 weeks. The project has a substantial completion date of May 1, 2015, but some of the work may be completed over the winter. The construction engineering services award is proposed for consideration elsewhere on this agenda.

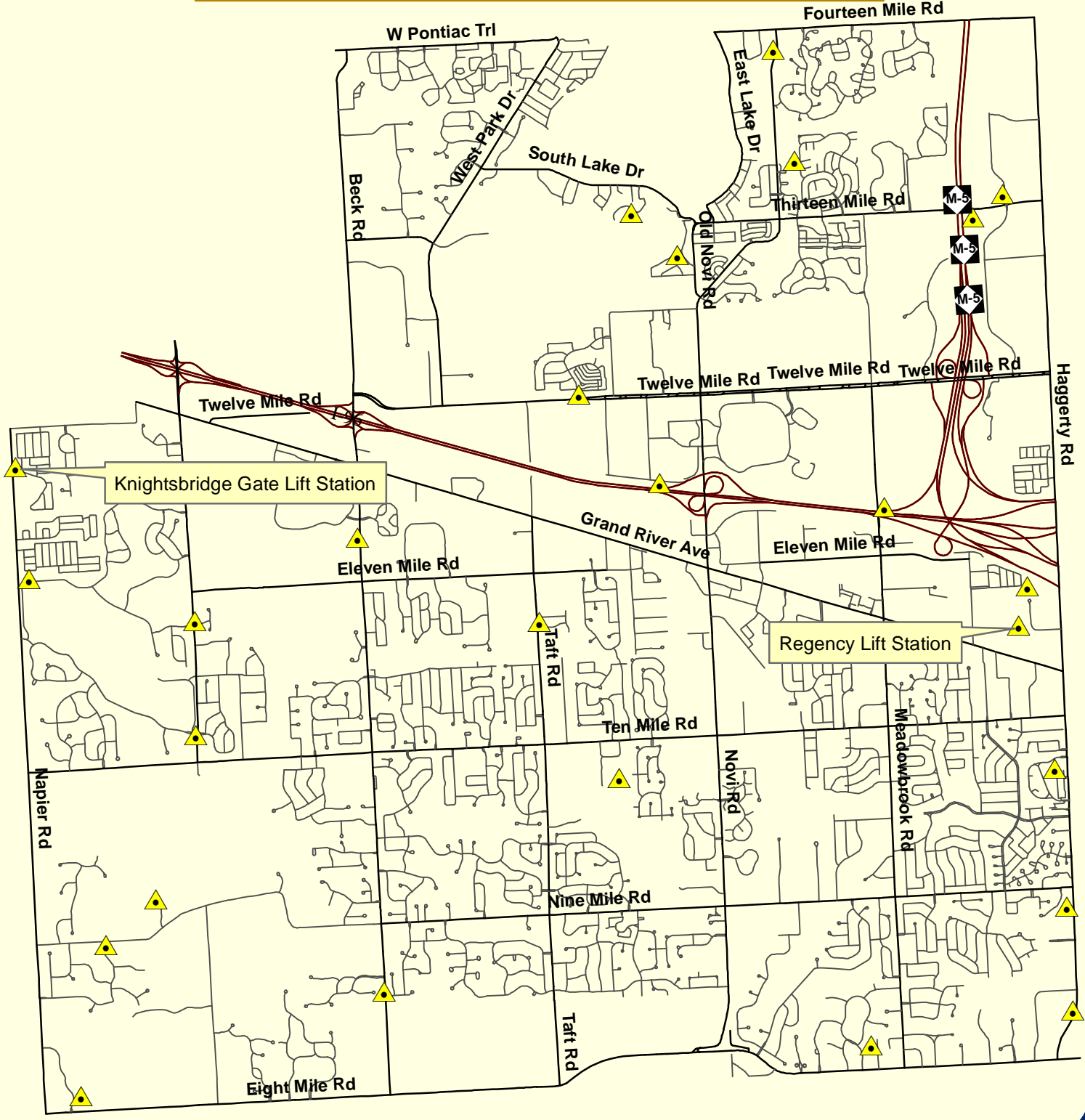
**RECOMMENDED ACTION:** Approval to award a construction contract for Regency Centre and Knightsbridge Gate Lift Station Upgrades to Great Lakes Power & Lighting, the low bidder, in the amount of \$121,980.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Markham				

	1	2	Y	N
Council Member Mutch				
Council Member Poupard				
Council Member Wrobel				

# Regency and Knightsbridge Gate Lift Stations

## Location Map



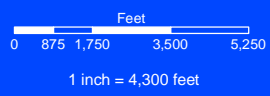
Map Author: Croy  
 Date: 11/13/14  
 Project: KBG Regency Lift Station Upgrades  
 Version #: v1.0

**MAP INTERPRETATION NOTICE**

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

**Legend**

Lift Stations



**City of Novi**  
 Engineering Division  
 Department of Public Services  
 26300 Lee BeGole Drive  
 Novi, MI 48375  
 cityofnovi.org