



**CITY OF NOVI CITY COUNCIL
FEBRUARY 22, 2021**

SUBJECT: Approval of a service contract to Hesco to provide solar power to five sanitary sewer meters in the amount of \$23,916.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 23,916
AMOUNT BUDGETED	\$ 55,325
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	592-592.00-986.001

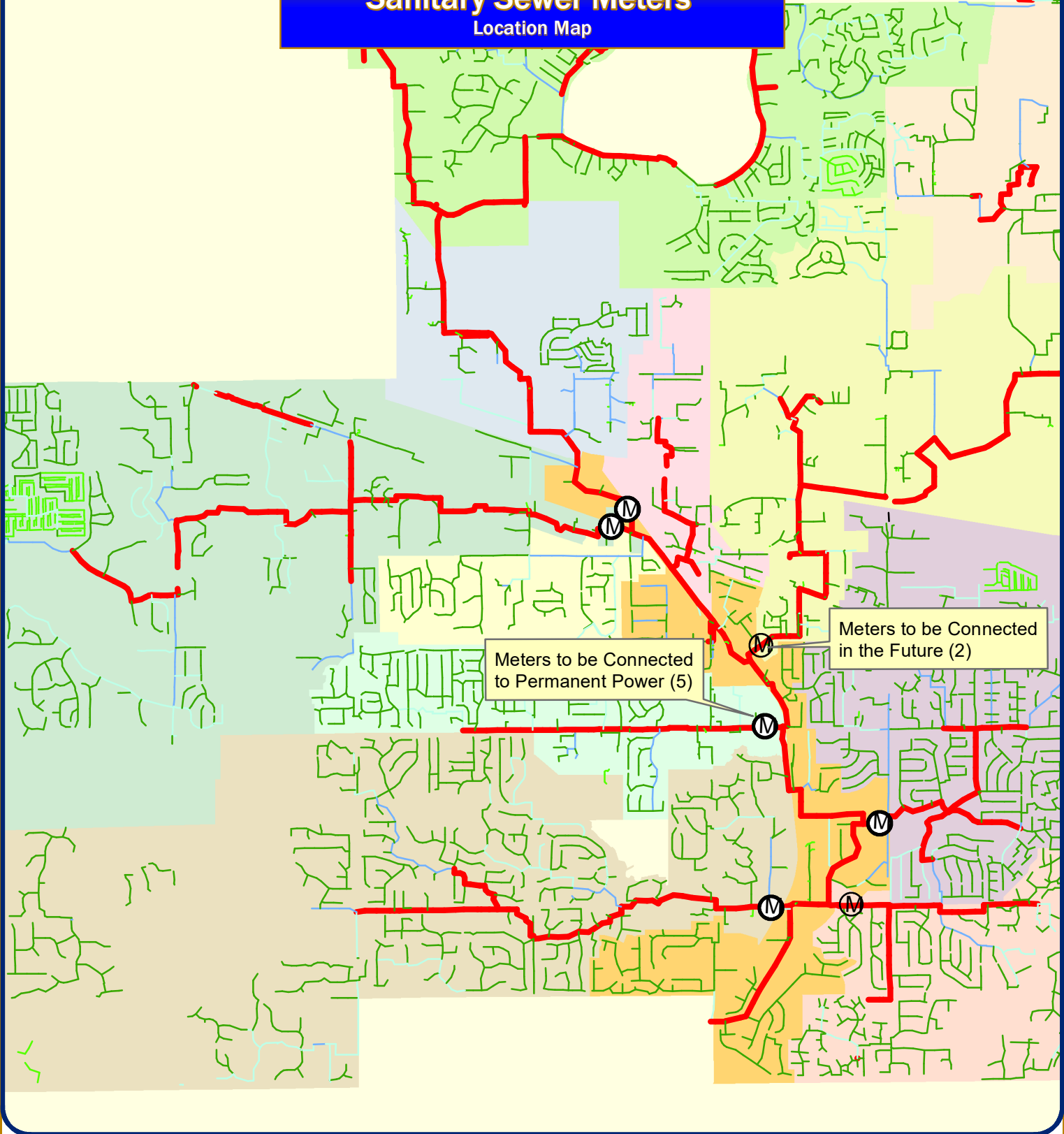
BACKGROUND INFORMATION: The City maintains seven sanitary sewer meters used to measure and monitor flow rates at strategic locations within the sanitary sewer system. These meters are currently powered by batteries, but the replacement and reliability of the batteries is problematic.

Therefore, staff recommends converting the primary power for the meters to solar power. Batteries will still be utilized as back-up power, but solar will provide a cost effective and more reliable energy source. At this time, five of the seven meters are in a location that can be easily converted. The remaining two are under road pavement, and will require a significant effort and alternative installation method. Staff will consider installing power to the remaining two after evaluating the new solar sites and performing a cost benefit analysis.

RECOMMENDED ACTION: Approval of a service contract to Hesco to provide solar power to five sanitary sewer meters in the amount of \$23,916.

Sanitary Sewer Meters

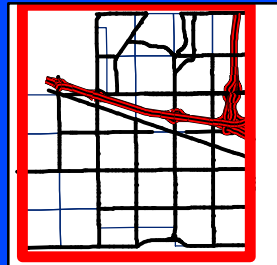
Location Map



Map Author: Croy
 Date: 2/9/2021
 Project: Permanent Power Connection
 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.



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



1 inch = 4,000 feet



QUOTE



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23905 Freeway Park • Farmington Hills, MI 48335
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

TO: Scott Roselle
City of Novi

Tuesday, January 26, 2021

QUOTE #: QT-349/2
SALESPERSON: Mitch Livingston

sroselle@cityofnovi.org

Auto : 5 meter install

LINE ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	LINE TOTAL
1.00	60-5314-347 Teledyne Isco 60-5314-347 SPA 1347 - Solar Panel with Bracket, 40 watts for use with customer supplied battery; 100 amp-hour or greater recommended. Includes pole mount bracket and an 8 ft cable with two 5/16-inch terminal lugs for connection to lead acid battery. Does not include a 12 VDC connect cable from the battery to an ISCO device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power ISCO devices excluding 2100 modules. For 2100 Series Module battery connect cables, see 60-5314-429 or 60-5314-456.	5		1,174.00	\$5,870.00
2.00	60-5314-429 Teledyne Isco 60-5314-429 60-5314-429 SPA 1429. 2100 non-Isco Battery Connect Cable. Built to length, per ft. Maximum length is 25 ft. For connection of 2100, via bottom connector, to customer supplied deep cycle battery. Not for use with 2108, see SPA 1456 if 2108 is part of the application. 2 ft length	5		270.20	\$1,351.00

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3.00	60-2004-262 Teledyne Isco 60-2004-262 2100 Series Module Mounting Plate ABS plastic plate for mounting 2100 system to wall or enclosure back panel.	5		187.00	\$935.00
4.00	60-5314-316 Teledyne Isco 60-5314-316 60-5314-316 Module Extension Cable, custom length. Connects two 2100 Series modules that are not stacked together. Specify custom length from 1 to 3,300 ft. (1,000 m). 100 ft	5		452.00	\$2,260.00
5.00	HESCO Flow Metering Equipment Flow Meter Panel NEMA 4X panel 24" x 24" x 8" Panel will be lockable and suitable to house the following components 12 VDC battery Isco 2103 modem	5		1,200.00	\$6,000.00
6.00	HESCO Field Service Field Service Technician HESCO Field Service Technician for site visit during normal business hours (8:00 AM to 4:30 PM) Field Service Technician will field install the solar panel and the modem inside of the cabinet and work with the Novi crew to mount the cabinet and install a pole to hold the solar panel.	5		1,500.00	\$7,500.00
				<i>SUBTOTAL:</i>	23,916.00
				<i>MI SALES TAX:</i>	0.00
				<i>TOTAL:</i>	

Ship Via:	Best Way FOB Factory	Shipping Terms:	
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Payment Terms:		Quote Valid Through:	02/02/2021
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Lead Time:	Shop Drawing Submittals: Weeks ARO Shipment: Weeks ARA
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If favored with a Purchase Order, please issue it to:

HESCO

23905 Freeway Park Drive

Farmington Hills, MI 48335

END QUOTE