



### AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Consider Resolution Authorizing the Mayor to accept the bids for Annual Purchase of Transformers & Switchgear		
Presenter & Title:	Hal Wright, Superintendent of Electrical Services		
Date:	June 25, 2018		
<b>Please Check Appropriate Box:</b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Estimated Cost: \$245,570.00		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
If "Other Funding," please explain how the item will be funded:			
<b>Executive Summary:</b>			
Bids were opened on Monday, June 11, 2018 for the annual purchase of transformers and switchgear.			
Transformer bids were evaluated based on lowest cost meeting the Department of Energy (DOE) 2016 efficiency standards. On the attached memo, pages 1-4 show the low bidder and cost of each successful bid, and pages 5-9 show the competitive bid comparisons.			
Purchases will be on an as-needed basis and expensed under FY 2018-19 and FY2019-20 line item 620.90.95.95-815.25.			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution 2018-61</li> <li>• Memo from Superintendent Wright dated 07/25/2018</li> </ul>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
Award the Transformer and Switchgear purchases to the lowest successful bidders as indicated in the tabulation.			

**RESOLUTION NO. 2018-61**  
**RESOLUTION AUTHORIZING EXECUTION OF**  
**Bids for the Annual Purchase of Transformers and Switchgear**

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**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** That the City Administrator is hereby authorized to accept, on behalf of the City of Geneva, the bids for the Annual Purchase of Transformers and Switchgear as recommended by Staff, relating to the construction and maintenance of the electric distribution system.

**SECTION 2:** This Resolution shall become effective from and after its passage as in accordance with law.

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this 9th day of July, 2018.

**AYES: \_\_ NAYS: \_\_ ABSENT: \_\_ ABSTAINING: \_\_ HOLDING OFFICE: \_\_**

Approved by me this 9th day of July, 2018.

\_\_\_\_\_  
City Administrator

ATTEST:

\_\_\_\_\_  
City Clerk



**PUBLIC WORKS DEPARTMENT  
MEMORANDUM**

June 25, 2018

**Memo To:** Mayor Burns and Committee of the Whole

**From:** Hal Wright, Superintendent of Electrical Services

**Re:** **Transformer and Switchgear Bid 18-1**

Bids were opened on Monday, June 11, 2018 for the annual purchase of Transformers and Switchgear. Successful bidders are indicated by an underline on the attached spreadsheet tabulation and also shown below. Transformers were evaluated based on lowest cost meeting DOE 2016 efficiencies and dimensional requirements. Pages 1-4 show the Actual Purchase Cost of each successful bid. Pages 5-9 show the competitive bid comparisons.

**3- Phase Padmount Transformers**

Type	Vendor	Cost	Vendor	Cost W/ Stainless Cabinet
45KVA 208/120	Resco	4493.00	Resco	5369.00
45KVA 480/277	Resco	4505.00	Resco	5382.00
45KVA 240/120 Delta	Resco	4589.00	Resco	5466.00
75KVA 208/120	Resco	4998.00	Resco	5866.00
75KVA 480/277	Resco	4989.00	Resco	5877.00
75KVA 240/120 Delta	Resco	5206.00	Resco	6096.00
112.5KVA 208/120	Resco	5484.00	Resco	6374.00
112.5KVA 480/277	Resco	5401.00	Resco	6290.00
112.5 KVA 240/120 Del	Resco	5507.00	Resco	6398.00
150KVA 208/120	Resco	6080.00	Resco	6990.00
150KVA 480/277	Resco	5844.00	Resco	6752.00

[Type here]

	Type	Vendor	Cost	Vendor	Cost W/ Stainless Cabinet
63	150KVA 240/120 Del	Resco	5921.00	Resco	6830.00
	225KVA 208/120	Resco	7016.00	Resco	7934.00
	225KVA 480/277	Resco	7057.00	Resco	8001.00
	225KVA 240/120 Del	Resco	7154.00	Resco	8067.00
	300KVA 208/120	Resco	8027.00	Resco	8969.00
	300KVA 480/277	Resco	8019.00	Resco	9002.00
	300KVA 240/120 Del	Resco	7842.00	Resco	8783.00
	500KVA 208/120	Resco	10322.00	Resco	11302.00
	500KVA 480/277	Resco	9948.00	Resco	10923.00
	500KVA 240/120 Del	Resco	10312.00	Resco	11290.00
	750KVA 208/120	Resco	14841.00	Resco	16283.00
	750KVA 480/277	Resco	12632.00	Resco	13933.00
	750KVA 240/120 Del	Resco	13461.00	Resco	14798.00
	1000KVA 208/120	Resco	17699.00	Resco	19116.00
	1000KVA 480/277	Resco	14660.00	Resco	16038.00
	1000KVA 240/120 Del	Resco	17390.00	Resco	18803.00
	1500KVA 480/277	Resco	19348.00	Resco	20863.00
	1500KVA 4160/2400	Resco	20021.00	Resco	21603.00
	1500KVA 240/120 Del	Resco	22992.00	Resco	24563.00
	2000KVA 480/277	Resco	25110.00	Resco	26865.00
	2000KVA 4160/2400	Resco	22803.00	Resco	25548.00
	2500KVA 480/277	Resco	30351.00	Resco	32137.00
	2500KVA 4160/2400	Resco	30681.00	Resco	32555.00

### Single Phase Padmount Transformers

	Type	Vendor	Cost	Vendor	Cost W/ Stainless Cabinet
	5KVA 120/240	Resco	1033.00	Resco	1208.00
	10KVA 120/240	Resco	1102.00	Resco	1277.00
	25KVA 120/240	Resco	1261.00	Resco	1437.00
	37.5KVA 120/240	Resco	1372.00	Resco	1550.00

	Type	Vendor	Cost	Vendor	Cost W/ Stainless Cabinet
64	50KVA 120/240	Resco	1530.00	Resco	1726.00
	75KVA120/240	Resco	1892.00	Resco	2084.00
	100KVA 120/240	Resco	2317.00	Resco	2586.00
	167KVA 120/240	Resco	3266.00	Resco	3556.00

### Single Phase Polemount Transformers

Type	Vendor	Cost
1KVA 120/240	Resco	563.00
5KVA 120/240	Resco	522.00
10KVA 120/240	Resco	601.00
10KVA 240/480	Resco	622.00
15KVA 120/240	Resco	664.00
15KVA 240/480	Resco	679.00
25KVA120/240	Wesco	764.00
25KVA 240/480	Resco	785.00
37.5KVA 120/240	Resco	972.00
37.5KVA 240/480	Wesco	920.00
50KVA 120/240	Resco	1107.00
50KVA 240/480	Resco	1064.00
75KVA 120/240	Wesco	1515.00
75KVA 240/480	Resco	1468.00
75KVA 277	Wesco	1450.00
100KVA 120/240	Resco	2208.00
100KVA 240/480	Resco	2001.00
100KVA 277	Resco	1948.00
167KVA 120/240	Resco	3165.00
167KVA 240/480	Resco	2662.00
167KVA 277	Resco	2749.00
250KVA 120/240	Resco	5017.00
250KVA 240/480	Resco	4090.00
250KVA 277	Resco	4063.00

## Switchgear

Type	Vendor	Cost
AIS-6 SM-20	Power One	12,862.00
AIS-9 SM-20	Power One	14,828.00
AIS-10	Power One	14,783.00
AIS-11 SM-20	Power One	15,024.00
Horizontal OH	Resco	3,644.00
Verticle OH	Resco	3,511.00
Trayer Switch	Resco	20,780.00
PVI-9	Resco	33,000.00
PVI-9 S.S. Cabinet	Resco	36,553.00
PVI-11	Resco	25,798.00
PVI-11 S.S. Cabinet	Resco	29,351.00

### **Staff Recommendations:**

After careful and thorough review of the bids for the annual purchase of transformers and switchgear, it is the staff's recommendation to COW, that COW approves and recommends to City Council to award the transformer and switchgear purchases to the successful bidders as indicated in the above tabulation. **All recommended bids were also the lowest bids.** Future purchases are on an as need basis will be expensed for FY2018-19 and FY2019-20 under line item #620.90.95.95-815.25 with a budget of \$4,842,290.00.

Cc: Stephanie Dawkins, City Administrator  
 Rich Babica, Director of Public Works  
 Jennifer Hilke, Manager of Distribution, Construction & Maintenance  
 Arron Holton, Manager of Electric Operations  
 Kirk Landberg, Purchasing & inventory Coordinator

TRANSFORMERS 3-PHASE PADMOUNTS:	QTY	COMPARISONS		RESCO	WESCO
		RESCO	WESCO	Stainless	Stainless
45KVA 208/120	1	<u>4,493.00</u>		<u>5,369.00</u>	NQ
45KVA 480/277	1	<u>4,505.00</u>		<u>5,382.00</u>	
45KVA 240/120 DELTA	1	<u>4,589.00</u>	6,085.00	<u>5,466.00</u>	
75KVA 208/120	1	<u>4,998.00</u>		<u>5,886.00</u>	
75KVA 480/277	1	<u>4,989.00</u>		<u>5,877.00</u>	
75KVA 240/120 DELTA	1	<u>5,206.00</u>	6,242.00	<u>6,096.00</u>	
112.5KVA 208/120	1	<u>5,484.00</u>		<u>6,374.00</u>	
112.5KVA 480/277	1	<u>5,401.00</u>		<u>6,290.00</u>	
112.5KVA 240/120 DEL	1	<u>5,507.00</u>	6,858.00	<u>6,398.00</u>	
150KVA 208/120	1	<u>6,080.00</u>		<u>6,990.00</u>	
150KVA 480/277	1	<u>5,844.00</u>		<u>6,752.00</u>	
150KVA 240/120 DELTA	1	<u>5,921.00</u>	7,392.00	<u>6,830.00</u>	
225KVA 208/120	1	<u>7,016.00</u>		<u>7,934.00</u>	
225KVA 480/277	1	<u>7,057.00</u>		<u>8,001.00</u>	
225KVA 240/120 DELTA	1	<u>7,154.00</u>	8,446.00	<u>8,067.00</u>	
300KVA 208/120	1	<u>8,027.00</u>		<u>8,969.00</u>	
300KVA 480/277	1	<u>8,019.00</u>		<u>9,002.00</u>	
300KVA 240/120 DELTA	1	<u>7,842.00</u>	9,683.00	<u>8,783.00</u>	
500KVA 208/120	1	<u>10,322.00</u>		<u>11,302.00</u>	
500KVA 480/277	1	<u>9,948.00</u>		<u>10,923.00</u>	
500KVA 240/120 DELTA	1	<u>10,312.00</u>	11,478.00	<u>11,290.00</u>	

NOTE: All Transformers Meet DOE 2016 Energy Efficiency Standards

TRANSFORMERS  
3-PHASE PADMOUNTS:

COMPARISONS

	QTY	RESCO	WESCO	RESCO Stainless	WESCO Stainless
750KVA 208/120	1	<u>14,841.00</u>		<u>16,283.00</u>	NQ
750KVA 480/277	1	<u>12,632.00</u>		<u>13,933.00</u>	
750KVA 240/120 DELTA	1	<u>13,461.00</u>	16,382.00	<u>14,798.00</u>	
1000KVA 208/120	1	<u>17,699.00</u>		<u>19,116.00</u>	
1000KVA 480/277	1	<u>14,660.00</u>		<u>16,038.00</u>	
1000KVA 240/120 Delta	1	<u>17,390.00</u>	19,618.00	<u>18,803.00</u>	
1500KVA 480/277	1	<u>19,348.00</u>		<u>20,863.00</u>	
1500KVA 4160/2400*	1	<u>20,021.00</u>		<u>21,603.00</u>	
1500KVA 240/120 Delta	1	<u>22,992.00</u>	32,042.00	<u>24,563.00</u>	
2000KVA 480/277	1	<u>25,110.00</u>		<u>26,865.00</u>	
2000KVA 4160/2400*	1	<u>22,803.00</u>		<u>25,548.00</u>	
2500KVA 480/277	1	<u>30,351.00</u>		<u>32,137.00</u>	
2500KVA 4160/2400	1	<u>30,681.00</u>		<u>32,555.00</u>	
3750KVA 480/277	1	NQ		NQ	
3750KVA 4160/2400	1	<u>NQ</u>		NQ	

NOTE: All Transformers Meet DOE 2016 Energy Efficiency Standards

\* Secondary Connection to be Deadfront bushing well & inserts.

TRANSFORMERS  
SINGLE PHASE PADMOUNT:

COMPARISONS

	QTY	RESCO	WESCO	RESCO Stainless	WESCO Stainless
1KVA 120/240	1	NQ		NQ	NQ
5KVA 120/240	1	<u>1033.00</u>		<u>1,208.00</u>	
10KVA 120/240	1	<u>1,102.00</u>	1,717.00	<u>1,277.00</u>	
25KVA 120/240	1	<u>1,261.00</u>	1,729.00	<u>1,437.00</u>	
37.5KVA 120/240	1	<u>1,372.00</u>	1,849.00	<u>1,550.00</u>	
50KVA 120/240	1	<u>1,530.00</u>	1,957.00	<u>1,726.00</u>	
75KVA 120/240	1	<u>1,892.00</u>		<u>2,084.00</u>	
100KVA 120/240	1	<u>2,317.00</u>		<u>2,586.00</u>	
167KVA 120/240	1	<u>3,266.00</u>		<u>3,556.00</u>	

NOTE: All Transformers Meet DOE 2016 Energy Efficiency Standards

TRANSFORMERS POLEMOUNTED	COMPARISONS		
	QTY	RESCO	WESCO
1KVA 120/240	1	<u>563.00</u>	NQ
5KVA 120/240	1	<u>522.00</u>	601.00
10KVA 120/240	1	<u>601.00</u>	669.00
10KVA 240/480	1	<u>622.00</u>	707.00
15KVA 120/240	1	<u>664.00</u>	703.00
15KVA 240/480	1	<u>679.00</u>	740.00
25KVA 120/240	1	786.00	<u>764.00</u>
25KVA 240/480	1	<u>785.00</u>	819.00
37.5KVA 120/240	1	<u>972.00</u>	988.00
37.5KVA 240/480	1	930.00	<u>920.00</u>
50KVA 120/240	1	<u>1,107.00</u>	1,260.00
50KVA 240/480	1	<u>1,064.00</u>	1,260.00
75KVA 120/240	1	1,682.00	<u>1,515.00</u>
75KVA 240/480	1	<u>1,468.00</u>	1,486.00
75KVA 277	1	1,454.00	<u>1,450.00</u>
100KVA 120/240	1	<u>2,208.00</u>	2,863.00
100KVA 240/480	1	<u>2,001.00</u>	2,466.00
100KVA 277	1	<u>1,948.00</u>	2,404.00
167KVA 120/240	1	<u>3,165.00</u>	3,930.00
167KVA 240/480	1	<u>2,662.00</u>	
167KVA 277	1	<u>2,749.00</u>	3,149.00
250KVA 120/240	1	<u>5,017.00</u>	5,428.00
250KVA 240/480	1	<u>4,090.00</u>	
250KVA 277	1	<u>4,063.00</u>	4,634.00

NOTE: All Transformers Meet DOE 2016 Energy Efficiency Standards

**SWITCHGEAR**

DESCRIPTION	QTY	ITEM	Power One	Resco	Wesco
			Federal	Hubbell	Hubbell
SM-20 W/ SS Cabinet	1	AIS-6	<u>12,862.00</u>	21,348.00	22,021.00
SM-20 W/ SS Cabinet	1	AIS-9	<u>14,828.00</u>	21,229.00	21,899.00
Air Switch W/ SS Cabinet	1	AIS-10	<u>14,783.00</u>	16,691.00	17,218.00
SM-20 W/ SS Cabinet	1	AIS-11	<u>15,024.00</u>	17,915.00	18,480.00
#1123 Horizontal	1	Horizontal	NQ	<u>3,644.00</u>	NQ
Upright Overhead		OH Switch			
#1125 Vertical	1	Verticle	NQ	<u>3,511.00</u>	NQ
Base Overhead		OH Switch			
Trayer Switch	1	Trayer	NQ	<u>20,780.00</u>	NQ
Vacuum Switch	1	PVI-9	NQ	<u>33,000.00</u>	NQ
Vacuum W/ Stainless	1		NQ	<u>36,553.00</u>	NQ
Vacuum Switch	1	PVI-11	NQ	<u>25,798.00</u>	NQ
Vacuum W/ Stainless	1		NQ	<u>29,351.00</u>	NQ

NQ = No Quote

Ship To

City of Geneva Public Works Department  
1800 South St.  
GENEVA, IL 60134

Bill To

City of Geneva Public Works Department  
1800 South St.  
GENEVA, IL 60134

**Purchase Order**  
No. 2019-00000124

DATE 11/15/2018

VENDOR 1044 - RESCO

Contact

RESCO  
PO BOX 684141  
CHICAGO, IL 60695-4141



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

DELIVER BY  
SHIP VIA  
FREIGHT TERMS  
PAGE 1 of 1  
ORIGINATOR: Kirk Landberg

REFERENCE #

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1.0000	Each	Misc - Transformer 150KVA 480/277  ORDERED 11-15-18 REC'D 12/17/18	5,913.0000	\$5,913.00
TOTAL DUE				\$5,913.00

Special Instructions

SHIPPER # 2019-00000130  
620.80 95.25 = 915.25 EL TRANS

Ship To

1800 South St.  
GENEVA, IL 60134

Bill To

City of Geneva Public Works Department  
1800 South St.  
GENEVA, IL 60134

Purchase Order  
No. 2019-00000103

DATE 10/25/2018

VENDOR 1044 - RESCO

Contact

RESCO  
PO BOX 684141  
CHICAGO, IL 60695-4141



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

DELIVER BY  
SHIP VIA  
FREIGHT TERMS  
PAGE 1 of 1  
ORIGINATOR: Kirk Landberg

REFERENCE #

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1.0000	Each	Inv EL Trans, 150KVA 3PH 120/208 SV Pad - 150KVA 120/208 Trans  ORDERED 10-25-18 Resco 10-29-18  FREIGHT ADDED  <b>COPY</b>  VINCE @ ST. CHARLES	7,960.0000	\$7,960.00
TOTAL DUE				\$7,960.00

*[Handwritten signature]*

Special Instructions

620. 90. 95. 95-815-25  
EL TRANS

SHIPPER \* 2019-0000096

PRICE REDUCTION BECAUSE OF FREIGHT COST

Ship To

1800 South St.  
GENEVA, IL 60134

Bill To

City of Geneva Public Works Department  
1800 South St.  
GENEVA, IL 60134

**Purchase Order**  
No. 2019-00000068

DATE 09/06/2018

VENDOR 1044 - RESCO



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

Contact

RESCO  
PO BOX 684141  
CHICAGO, IL 60695-4141

DELIVER BY  
SHIP VIA  
FREIGHT TERMS  
PAGE 1 of 1  
ORIGINATOR: Kirk Landberg

REFERENCE #

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1.0000	Each	Inv EL Trans, 300kva 3 PH 208/120 SV Pad - 300 KVA 120/208  ORDERED 9/6/2018 REC'D 10/7/18  <b>COPY</b>	8,969.0000	\$8,969.00
TOTAL DUE				\$8,969.00

*[Handwritten signature]*

Special Instructions

620.90.95.95-815.25  
EL UG CABLE

SHIPPER # 2019-0000101

To

1800 South St.  
GENEVA, IL 60134

Bill To

City of Geneva Public Works Department **Purchase Order**  
1800 South St.  
GENEVA, IL 60134  
No. 2019-00000044

DATE 08/08/2018

VENDOR 1044 - RESCO

Contact

RESCO  
PO BOX 684141  
CHICAGO, IL 60695-4141



PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, SHIPPERS, BILL OF LADING AND CORRESPONDENCE

DELIVER BY  
SHIP VIA  
FREIGHT TERMS  
PAGE 1 of 1  
ORIGINATOR: Kirk Landberg

REFERENCE #

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1.0000	Each	Inv EL Trans, 500KVA 3PH 120/208 SV Pad  ORDERED 8/8/18 REC'D 10/19/18  <b>COPY</b>	11,302.0000	\$11,302.00
TOTAL DUE				\$11,302.00

*[Signature]*

Special Instructions  
 FOR GENEVA LIBRARY  
 620.90.95.95-815.25 EL TRANS SHIPPER # 2019-00000090

# CITY OF GENEVA

1800 SOUTH STREET  
GENEVA, ILLINOIS 60134  
PHONE (630) 232-1503

No. E17019

DELIVER TO SAME AS ADDRESS ABOVE UNLESS NOTED BELOW.

ROOM V

Resco  
2250 Pinehurst Dr.  
Middleton, WI 53562-0000

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TO

GENEVA ELECTRIC UTILITY  
1800 SOUTH STREET  
GENEVA, IL 60134-2547

DATE	DEPT.	TERMS:
5/21/2018	For inquiry call @ (630) 232-1503	
QUANTITY	DESCRIPTION	AMOUNT
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-right: 5px;">1</div> <div style="margin-left: 5px;">EA</div> </div> <p style="margin-top: 10px;">Rec'd 11/15/18</p>	<p>GU S/N 001137 Switch, Vacuum PVI-9 PV142-376-12-9 @ 33,897.000000</p> <p style="text-align: right; margin-top: 10px;"><b>TOTAL COST:</b></p> <p style="margin-top: 20px;">SHIPPING ON 8-6-2018 ACTUAL SHIP DATE RECD 11/15/18</p> <p style="margin-top: 20px;">620.90.95.95-815.25 EL SWITCH</p> <p style="text-align: center; font-size: 2em; font-weight: bold; margin-top: 20px;">COPY</p>	<p>33,897.00</p> <p style="margin-top: 10px;"><b>33,897.00</b></p>

**PURCHASE SUBJECT TO: DO NOT ADD SALES TAX ----- CITY IS EXEMPT**

**ORIGINAL BILL OF LADING MUST ACCOMPANY INVOICE.**  
 Mark all invoices, packages, etc., with our order number.  
 Written acknowledgment of this order and date of shipment must be made by return mail.  
 This order is not to be filled at prices higher than those last charged or quoted without our written consent.  
 We reserve the right to cancel this order in whole or in part if not filled according to specifications.  
 Returned goods to be replaced without formal purchase order.  
 Material in excess of specifications will be accepted.  
 Your terms are other than stated in this order please advise.  
 By accepting this order you agree to defend, protect and save harmless the City of Geneva, Illinois, its successors, assigns, and customers and the users of its products against all suits in law, or in equity, and from all damage claims and demands for actual or alleged infringements of the United States, or foreign letters patent, by reason of the use of articles hereby ordered.

  
**REQUISITIONER**

ORIGINAL-VENDOR