



## CITY COUNCIL AGENDA ITEM

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May 25, 2011

To: John Szerlag, City Manager

From: John M. Lamerato, Assistant City Manager/Finance & Administration  
Mark F. Miller, Director of Economic and Community Development  
Susan A. Leirstein, Purchasing Director  
Timothy L. Richnak, Public Works Director

Subject: Contract Amendment – LED Lighting and Retrofits

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### **Background**

On February 7, 2011, Troy City Council awarded a contract to purchase and install LED lighting and retrofits on the main City Hall campus and the Police/Fire training facility to the low total bidder, Corby Energy Services Inc of Belleville, MI, for an estimated total cost of \$265,190.00. The resolution also allows for additional lighting purchases through June 30, 2011, for installation at the fire stations not-to-exceed \$66,290.00. Resolution # (2011-02-026).

Projects under the original Energy Efficiency and Conservation Block Grant (EECBG) Program have been modified, changed or eliminated due to the ongoing restructuring of the City and monies dedicated for those projects need to be reallocated. The City is required to use the EECBG funds in a cost-effective manner to maximize the benefit to the population and yield continuous benefits over time in terms of energy and emission reductions. It is in the City's best interest to amend the current contract and expand the scope of work to include replacement of Cobrahead fixtures with LED streetlights on Big Beaver between Dequindre and John R; on Coolidge, Cunningham and Lakeview; and seven (7) additional lighting fixtures to complete the DPW facility campus. These lamps were selected because of their age and low energy efficiency levels.

### **Recommendation**

City management recommends expanding the scope of work to purchase and install additional LED lighting and retrofits as detailed in Appendix I, from the low total bidder, Corby Energy Services for an amount not-to-exceed \$155,000.00, at unit prices as originally bid on January 24, 2011.

### **Fund Availability**

Funds for this project are available in the Buildings and Improvements capital accounts, then reimbursed through the Energy Efficiency and Conservation Block Grant (EECBG) Program.



## CITY COUNCIL AGENDA ITEM

### APPENDIX I

LOCATION	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE Including Installation	ESTIMATED TOTAL
DPW Facility	38 Watt/LWP1	3	\$375.00	\$1,125.00
Big Beaver – Dequindre to John R	245 Watt/Vue 400 – Type II or III	66	\$1350.00	\$89,100.00
Coolidge, Cunningham and Lakeview	245 Watt/Vue 400 – Type II or III	43	\$1350.00	\$58,050.00
DPW driveway	245 Watt/Vue 400 – Type II or III	4	\$1350.00	\$5,400.00
ESTIMATED GRAND TOTAL -				\$153,675.00

BE IT FURTHER RESOLVED, That Troy City Council hereby **INSTRUCTS** the Troy Fire Department to inspect the fireworks' display site and the fireworks to be used to assure compliance with applicable codes and standards for such a fireworks display.

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**J-1b Address of “J” Items Removed for Discussion by City Council**

a) **Standard Purchasing Resolution 1: Award to Low Bidder: LED Lighting and Retrofits**

Resolution #2011-02-026

Moved by Beltramini

Seconded by Fleming

RESOLVED, That Troy City Council hereby **AWARDS** a contract to purchase and install LED Lighting and Retrofits on the main City Hall Campus and Police/Fire Training Facility to the low total bidder, Corby Energy Services, Inc of Belleville, MI, for an estimated total cost of \$265,190.00.

BE IT FURTHER RESOLVED, That Troy City Council **ALLOWS** additional lighting purchases from Corby Energy Services through June 30, 2011 for installation at the fire stations not-to-exceed 25% of the total project cost or \$66,290.00 at unit prices contained on the schedule of values and bid tabulation opened 1/24/2011, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

BE IT FINALLY RESOLVED, That the award is **CONTINGENT** upon contractor submission of properly executed bid and contract documents, including insurance certificates and all other specified requirements.

Yes: Kerwin, McGinnis, Slater, Schilling, Beltramini, Fleming, Howrylak

No: None

**MOTION CARRIED**

**K. MEMORANDUMS AND FUTURE COUNCIL AGENDA ITEMS:**

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**K-1 Announcement of Public Hearings: None Submitted**

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**K-2 Memorandums (Items submitted to City Council that may require consideration at some future point in time): None Submitted**

**L. COUNCIL REFERRALS:**

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**L-1 Resolution Submitted by Council Member Howrylak, Perhaps for Discussion Purposes**

Resolution

Moved by Howrylak

Seconded by Fleming



## CITY COUNCIL AGENDA ITEM

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January 26, 2011

To: John Szerlag, City Manager

From: John M. Lamerato, Assistant City Manager/Finance and Administration  
Mark F. Miller, Acting Assistant City Manager/Economic Development Services  
Susan A. Leirstein, Purchasing Director  
Steven A. Pallotta, Director of Building Operations  
Zachary Branigan LEED AP, Consultant

Subject: Standard Purchasing Resolution 1 – Award To Low Bidder: LED Lighting and Retrofits

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### **Background**

On January 24, 2011, four (4) bid proposals were received to furnish and install LED Lighting on the City Hall municipal campus. A total of 256 vendors were notified via the MITN system.

Carlisle / Wortman Associates, Inc under the direction of Zachary Branigan, LEED AP, AICP Associate developed funding recommendations that were approved through the Energy Efficiency and Conservation Block Grant Program.

The Energy Efficiency and Conservation Block Grant required Rapid Energy Assessment Programs to identify a series of factors where the City could realize significant energy savings. The LED Lighting Retrofits upgrades were chosen to reduce energy consumption at the City Hall main campus buildings, and the Police/Fire Training facility.

This project will reduce the overall electrical usage and maintenance costs associated with old inefficient lighting fixtures.

The LED Lighting upgrades will use Michigan designed and manufactured products. Relume Technologies is based in Oxford, Michigan, established in 1994. Relume began LED research and design work seventeen (17) years ago as a contract firm for the United States Department of Defense, and was a pioneer in LED technologies back in the infancy of this new form of lighting. Many of the solutions for military applications manufactured by Relume were put into service in the Middle East during the beginning of the Gulf War and are still in active use today, including LED battlefield lights, check-point signals, and mobile surgical unit shelter lighting. Relume's LED Solutions use CREE LEDs manufactured in Durham, North Carolina, custom optics made in Indiana, aluminum extrusions, powder coating, and circuit boards made in Michigan, and all assembly operations are completed at Relume's Oxford, Michigan plant, giving Relume products the distinction of having the highest domestic and Michigan content of any LED manufacturer in the US .



## CITY COUNCIL AGENDA ITEM

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January 26, 2011

To: John Szerlag, City Manager  
Re: Award To Low Bidder – LED Lighting and Retrofits

### **Background** (continued)

All products carry a seven (7) year warranty to 70% lumen maintenance, setting an industry-leading new standard for LED performance-driven warranties. This project will allow the City to analyze the performance of Michigan –manufactured LED components, and provide energy conservation solutions. The LED Lighting Retrofits are one of the recommended implementation of Rapid Energy Assessment Project.

### **Recommendation**

City management recommends awarding a contract to furnish and install LED lighting to the low total bidder, Corby Energy Services, Inc of Belleville, Michigan at an estimated total cost of \$265,190.00. The award is contingent upon contractor's submission of proper insurance certificates and all other specified requirements.

In addition, staff requests additional lighting purchases be allowed through June 30, 2011 for installation at the fire stations not-to-exceed 25% of the total project cost or \$66,290.00 at unit prices contained on the bid tabulation and schedule of values.

### **Fund Availability**

Funds are available in the Building Operations capital fund for building and improvements which will be reimbursed through the Energy Efficiency and Conservation Block Grant (EECBG) Program.



Schedule of Values  
LED Lighting  
Page 1 of 1

**SCHEDULE OF VALUES**

Your company **MUST** complete this form.

A Schedule of Values of labor rates for personnel that will be involved in the project should be included below. These rates will be used to determine costs for any additional installation services required.

<b>RATE PER JOB CLASSIFICATION:</b>	<b>UNIT PRICE</b>
ELECTRICIAN	\$ 85. <sup>00</sup> /hour
GROUND MAN	\$ 75. <sup>00</sup> /hour
LABORER	\$ 70. <sup>00</sup> /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour
	\$ /hour

COMPANY NAME: CORBY ENERGY SERVICES, INC

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**VENDOR NAME:**

**	<b>Corby Energy Services, Inc.</b>	Electrex Company, Inc.
CHECK #:	000190989	5082539903
CHECK AMOUNT:	\$15,000.00	\$15,000.00

**PROPOSAL A: LED LIGHTING AND RETROFIT INCLUDING INSTALLATION - VARIOUS LOCATIONS**

ITEM	DESCRIPTION	EST QTY	UNIT PRICE MATERIAL	EXT COST MATERIAL	COMPLETE SUM INSTALLATION	UNIT PRICE MATERIAL	EXT COST MATERIAL	COMPLETE SUM INSTALLATION
1	12 Watt / LR6C	25	\$ 95.00	\$ 2,375.00	\$ 3,125.00	\$ 107.06	\$ 2,676.50	\$ 3,326.50
2	41 Watt / LWP2	28	\$ 325.00	\$ 9,100.00	\$ 11,750.00	\$ 358.28	\$ 10,031.84	\$ 11,214.84
3	64 Watt / LFL2	12	\$ 635.00	\$ 7,620.00	\$ 8,570.00	\$ 701.72	\$ 8,420.64	\$ 8,891.64
4	80 Watt / PS1	49	\$ 625.00	\$ 30,625.00	\$ 35,475.00	\$ 707.02	\$ 34,643.98	\$ 34,840.98
5	60 Watt / Custom	33	\$ 600.00	\$ 19,800.00	\$ 26,650.00	\$ 655.08	\$ 21,617.64	\$ 23,228.64
6	119 Watt / PS2	24	\$ 775.00	\$ 18,600.00	\$ 26,100.00	\$ 835.28	\$ 20,046.72	\$ 21,219.72
7	79 Watt / Custom	4	\$ 865.00	\$ 3,460.00	\$ 4,210.00	\$ 941.28	\$ 3,765.12	\$ 3,963.12
8	38 Watt / LWP1	20	\$ 325.00	\$ 6,500.00	\$ 7,500.00	\$ 357.22	\$ 7,144.40	\$ 7,999.40
9	121 Watt / Vue 250 - III	66	\$ 875.00	\$ 57,750.00	\$ 60,250.00	\$ 941.28	\$ 62,124.48	\$ 65,776.48
10	121 Watt / Vue 250 - II	33	\$ 890.00	\$ 29,370.00	\$ 30,645.00	\$ 941.28	\$ 31,062.24	\$ 32,888.24
11	8.39 Watt / LWP3	1	\$ 200.00	\$ 200.00	\$ 260.00	\$ 212.00	\$ 212.00	\$ 257.00
12	39 Watt / LFL1	1	\$ 325.00	\$ 325.00	\$ 410.00	\$ 357.22	\$ 357.22	\$ 400.22
13	245 Watt / Vue 400 - II	13	\$ 1,250.00	\$ 16,250.00	\$ 16,750.00	\$ 1,325.00	\$ 17,225.00	\$ 17,945.00
14	245 Watt / Vue 400 - III	8	\$ 1,250.00	\$ 10,000.00	\$ 10,300.00	\$ 1,325.00	\$ 10,600.00	\$ 11,045.00
15	84 Watt / Vue 150 - III	6	\$ 800.00	\$ 4,800.00	\$ 5,030.00	\$ 800.30	\$ 4,801.80	\$ 5,141.80
16	65 Watt / Vue 100 he - II	2	\$ 700.00	\$ 1,400.00	\$ 1,475.00	\$ 763.20	\$ 1,526.40	\$ 1,636.40
<b>Est. Material &amp; Install Total: Proposal A</b>			<b>\$ 248,500.00</b>			<b>\$ 249,774.98</b>		

**PROPOSAL B: LED LIGHTING - PARTS ONLY**

ITEM	DESCRIPTION	EST QTY	UNIT PRICE MATERIAL	Total Cost	UNIT PRICE MATERIAL	Total Cost
17	12 Watt / LR6C	102	\$ 95.00	\$ 9,690.00	\$ 101.00	\$ 10,302.00
18	12 Watt / LR6 / SC6	20	\$ 155.00	\$ 3,100.00	\$ 73.00	\$ 1,460.00
19	12 Watt / LRP38	30	\$ 130.00	\$ 3,900.00	\$ 134.00	\$ 4,020.00
<b>Est Total Material Cost: Proposal B</b>			<b>\$ 16,690.00</b>		<b>\$ 15,782.00</b>	
<b>EST. GRAND TOTAL PROPOSALS A &amp; B</b>			<b>\$ 265,190.00</b>		<b>\$ 265,556.98</b>	

<b>CONTACT INFORMATION:</b> Hours of Operation 24 Hr Phone #	7AM - 5PM (313) 350-2441	8:00AM - 5:00PM (586) 468-7571
	<b>COMPLETION SCHEDULE:</b> Can Meet Y or N	<b>May 31, 2011</b> Y
<b>SITE INSPECTION:</b> Y or N Date	Y 1/11/2011	Y 1/11/2011
<b>PROGRESS PAYMENT:</b> Identified as	Monthly Progress Payments Blank	Monthly Installment Billing Blank
<b>INSURANCE:</b> Can Meet Cannot Meet	XX	XX
<b>SCHEDULE OF VALUES</b> Attached: Y or N	Y	Y

**VENDOR NAME:**

<b>**</b>	<b>Corby Energy Services, Inc.</b>	Electrex Company, Inc.

**EXCEPTIONS:**

	No Exceptions	NA
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**WARRANTY:**

	As Specified	
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**VENDOR QUESTIONNAIRE:**

Attached	Y / N	Y	Y
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**TWO FORMS COMPLETED:**

Legal Status	Y / N	Y	Y
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Non-Collusion	Y / N	Y	Y
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**ACKNOWLEDGEMENT: Signed** Y / N

	Y	Y	Y
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**ADDENDUM #1: Attached:** Y / N

	Y	Y	Y
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**ATTEST:**  
Steven Pallotta  
Diane Fisher  
Julie Hamilton

**\*\* BOLDFACE TYPE DENOTES LOW TOTAL BIDDER**

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 Susan Leirstein CPPO CPPB  
 Purchasing Director

**VENDOR NAME:**

	Rauhorn Electric, Inc.	Allied Building Service
CHECK #:	9479203979	000250360
CHECK AMOUNT:	\$15,000.00	\$15,000.00

**PROPOSAL A: LED LIGHTING AND RETROFIT INCLUDING INSTALLATION - VARIOUS LOCATIONS**

ITEM	DESCRIPTION	EST QTY	UNIT PRICE MATERIAL	EXT COST MATERIAL	COMPLETE SUM INSTALLATION	UNIT PRICE MATERIAL	EXT COST MATERIAL	COMPLETE SUM INSTALLATION
1	12 Watt / LR6C	25	\$ 94.00	\$ 2,350.00	\$ 3,931.38	\$ 82.95	\$ 2,073.75	\$ 4,738.00
2	41 Watt / LWP2	28	\$ 338.78	\$ 9,485.84	\$ 11,983.16	\$ 306.60	\$ 8,584.80	\$ 16,761.80
3	64 Watt / LFL2	12	\$ 688.81	\$ 8,265.72	\$ 10,898.80	\$ 618.45	\$ 7,421.40	\$ 11,204.40
4	80 Watt / PS1	49	\$ 650.18	\$ 31,858.82	\$ 37,003.60	\$ 646.80	\$ 31,693.20	\$ 40,572.00
5	60 Watt / Custom	33	\$ 618.25	\$ 20,402.25	\$ 23,763.07	\$ 576.45	\$ 19,022.85	\$ 31,528.85
6	119 Watt / PS2	24	\$ 813.32	\$ 19,519.68	\$ 24,437.58	\$ 748.65	\$ 17,967.60	\$ 29,485.00
7	79 Watt / Custom	4	\$ 900.49	\$ 3,601.96	\$ 4,362.43	\$ 831.60	\$ 3,326.40	\$ 6,654.40
8	38 Watt / LWP1	20	\$ 333.77	\$ 6,675.40	\$ 8,687.80	\$ 309.52	\$ 6,190.40	\$ 14,250.00
9	121 Watt / Vue 250 – III	66	\$ 917.41	\$ 60,549.06	\$ 77,832.48	\$ 832.65	\$ 54,954.90	\$ 90,132.90
10	121 Watt / Vue 250 – II	33	\$ 917.41	\$ 30,274.53	\$ 38,916.24	\$ 832.65	\$ 27,477.45	\$ 42,977.45
11	8.39 Watt / LWP3	1	\$ 198.95	\$ 198.95	\$ 294.56	\$ 177.45	\$ 177.45	\$ 1,581.45
12	39 Watt / LFL1	1	\$ 345.60	\$ 345.60	\$ 480.59	\$ 306.60	\$ 306.60	\$ 1,710.60
13	245 Watt / Vue 400 – II	13	\$ 1,272.33	\$ 16,540.29	\$ 20,192.71	\$ 1,178.10	\$ 15,315.30	\$ 25,364.30
14	245 Watt / Vue 400 – III	8	\$ 1,272.33	\$ 10,178.64	\$ 12,426.28	\$ 1,178.10	\$ 9,424.80	\$ 14,468.80
15	84 Watt / Vue 150 – III	6	\$ 813.13	\$ 4,878.78	\$ 6,273.50	\$ 714.14	\$ 4,284.84	\$ 8,912.84
16	65 Watt / Vue 100 he – II	2	\$ 775.05	\$ 1,550.10	\$ 1,930.63	\$ 672.00	\$ 1,344.00	\$ 3,892.00
<b>Est. Material &amp; Install Total: Proposal A</b>			\$	283,414.81		\$	344,234.79	

**PROPOSAL B: LED LIGHTING - PARTS ONLY**

ITEM	DESCRIPTION	EST QTY	UNIT PRICE MATERIAL	Total Cost	UNIT PRICE MATERIAL	Total Cost
17	12 Watt / LR6C	102	\$ 90.39	\$ 9,219.78	\$ 82.95	\$ 8,460.90
18	12 Watt / LR6 / SC6	20	\$ 149.50	\$ 2,990.00	\$ 82.95	\$ 1,659.00
19	12 Watt / LRP38	30	\$ 123.33	\$ 3,699.90	\$ 114.48	\$ 3,434.40
<b>Est Total Material Cost: Proposal B</b>			\$	15,909.68	\$	13,554.30
<b>EST. GRAND TOTAL PROPOSALS A &amp; B</b>			\$	299,324.49	\$	357,789.09

<b>CONTACT INFORMATION:</b> Hours of Operation 24 Hr Phone #	7:00AM - 5:30PM (586) 405-7774	7:00AM - 5:00PM (248) 882-2152
	<b>COMPLETION SCHEDULE:</b> Can Meet Y or N	<b>May 31, 2011</b> 45 Days After Fixture Delivery
<b>SITE INSPECTION:</b> Y or N Date	Y 1/11/2011	Y 1/11/2011
<b>PROGRESS PAYMENT:</b> Identified as	Monthly Installments after fixture delivery Blank	Monthly Invoicing based on work completed Blank
<b>INSURANCE:</b> Can Meet Cannot Meet	XX	Y
<b>SCHEDULE OF VALUES</b> Attached: Y or N	Y	Y

**VENDOR NAME:**

Rauhorn Electric, Inc.

Allied Building Service

**EXCEPTIONS:**

Bid excludes sales tax - if required add  
 additional \$14,460.00 to bid

Blank

**WARRANTY:**

As Specified

**VENDOR QUESTIONNAIRE:**

Attached Y / N

Y

Y

**TWO FORMS COMPLETED:**

Legal Status Y / N

Y

Y

Non-Collusion Y / N

Y

Y

**ACKNOWLEDGEMENT: Signed** Y / N

Y

Y

**ADDENDUM #1: Attached:** Y / N

Y

Y