



### AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Consider Resolution Waiving Competitive Bidding and Award Purchase of Upgrade Parts for Geneva Generation Facility.		
Presenter & Title:	Aaron Holton, Superintendent of Electrical Services		
Date:	November 1, 2021		
<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 -
Associated Strategic Plan Goal/Objective: EMS-II			
Estimated Cost: \$ 218,158.98	Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<i>If "Other Funding," please explain how the item will be funded:</i>			
<b>Executive Summary:</b>			
<p>The Pre-Chamber Check Valves installed on the engines at Geneva Generation Facility have been superseded by a new design. The Check Valves of the older design are no longer manufactured and replacement parts are limited to a global stock of approximately 500. The new design Check-Valves will assure parts availability in the future.</p> <p>Altorfer Caterpillar has the exclusive rights to sell these parts in Illinois and as such competitive bidding was not possible.</p>			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution 2021-95</li> <li>• Memo from Superintendent Holton</li> <li>• Quote from Altorfer Caterpillar</li> </ul>			
<b>Voting Requirements:</b>			
<p><i>This motion requires 7 affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie votes; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
Recommend approval of Resolution waiving competitive bidding and award purchase of upgrade parts for Geneva Generation Facility to Altorfer Caterpillar in an amount of \$218,158.98.			

**RESOLUTION NO. 2021-95**

**RESOLUTION WAIVING COMPETITIVE BIDDING AND AWARDDING PURCHES OF UPGRADE PARTS FOR GENEVA GENERATION FACILITY TO ALTORFER CATPERPILLAR**

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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 execute, on behalf of the City of Geneva, the Purchase of Upgrade Parts for Geneva Generation Facility from Altorfer Caterpillar in the amount of \$218,158.98.

**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 15th day of November, 2021.

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

Approved by me this 15th day of November, 2021.

\_\_\_\_\_  
Mayor

ATTEST:

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



**PUBLIC WORKS DEPARTMENT  
MEMORANDUM**

Nov 15, 2021

**Memo To:** Mayor Burns and Members of the City Council

**From:** Aaron Holton, Superintendent of Electrical Services

**Re:** Recommendation to waive competitive bidding and award purchase of upgrade parts for Geneva Generation Facility.

Each cylinder on the engines at GGF has a device called a Pre-Chamber Check Valve. These valves are used to allow a small amount of natural gas to flow into the Pre-Chamber, which is then ignited and this flame is used to ignite the fuel mixture in the cylinder combustion chambers. The design of the Pre-Chamber Check Valve used at GGF is original to the engines, and is no longer in production. There is currently a global stock of approximately 500 of the old design, and most are located in Germany at the factory.

With the change of the Pre-Chamber Check Valve design, a new Gas Injector is needed as the flame propagation is changed with the new design Pre-Chamber Check Valve. A Gas Injector is also needed on each cylinder on the engines. The new Pre-Chamber Check Valve and Gas Injector design also has proven to provide more consistent operation than the old design, promising more reliable starting and operation of the engines.

Finally, the CAAPP (Clean Air Permit) requires that Geneva follow the manufacturer's recommended maintenance schedule. Caterpillar requires that all of the Pre-Chamber Check Valves be replaced on a regular interval. Review of the operation records at GGF show that the Pre-Chamber Check Valves will be due replacement in the near future.

The parts to perform this upgrade are only available through Caterpillar, there is no aftermarket parts support for these engines at this time. Altorfer Caterpillar, in Peoria Illinois, has the exclusive right to sell the parts in this region. In light of this, staff did not pursue competitive bidding for this material.

**Staff Recommendations;**

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After reviewing the material required staff recommends to waive competitive bidding and award purchase the required upgrade parts to **Altrofer Caterpillar in the amount of \$218,158.12.**

Cc: Stephanie Dawkins, City Administrator  
Rich Babica, Director of Public Works  
Jose Ruiz, Manager of Electric Operations

**CITY OF GENEVA**  
 1800 SOUTH ST  
 GENEVA 60134

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	WORK ORDER NO.
683605	AARON HOLTON	630-232-1503		
QUOTE NO.	OPP NO.	DATE	Email	
118108	133517	10/5/2020		
MAKE	MODEL	SERIAL NO.	UNIT NO.	
AA				
NOTES				
BUDGETARY ESTIMATE FOR PARTS ONLY TO UPDATE PRE-CHAMBERS ON FIVE GCM ENGINES. CURRENT ETA OF PARTS APPROX. 2 WEEKS FROM DATE OF ORDER.				

**SEGMENT: 01**      INSTALL PRECHAMBER/NOZZLE ADAPTER (1106 )  
 NOTES:

**Parts**

Qty	Description
20	SEAL-O-RING
80	GASKET
14	GASKET
66	GASKET
80	CHECK VALVE
80	O-RING
80	GAS INJECTOR
20	GRINDING DISC SET
10	HEXAGON SOCKET HEA
80	O-RING
80	O-RING
80	SEALING RING
80	O-RING
80	O-RING
240	O-RING

**Total Parts:**                      208,447.00

**Labor**

**Total Labor:**                                      0.00

**Misc**

**Description**

EST. FREIGHT

**Total Misc:**                                      1,000.00

**Segment 01 Total:**                      209,447.00

**SEGMENT: 02**      INSTALL SPARK PLUG (1555 )  
 NOTES:PARTS COST TO REPLACE PLUGS, IF CHANGED AT SAME  
 TIME AS PRE-CHAMBER WORK QUOTED ON SEGMENT 01.

**Parts**

Qty	Description
80	PLUG-SPARK

**Total Parts:**                      8,712.00

**Labor**

**Total Labor:**                      0.00

**Misc**

**Description**

**Total Misc:**                      0.00

**Segment 02 Total:**                      8,712.00

**Total Segments:**                      218,158.98

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**TOTAL ESTIMATE (BEFORE TAXES)**                      218,158.98

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**NOTES:**

- This estimate will expire 30 days from the estimate date.
- Price excludes Freight Charges, Operating Supplies/EPA Fees and Overtime.
- Sales Taxes where applicable are not included with the above prices.
- Ask about Cat Financial Payment options.
- Caterpillar REMAN parts will be utilized, where applicable.
- Above pricing assumes all REMAN cores will meet Caterpillar Full Core Credit criteria. If cores do not meet the Caterpillar Full Core Credit criteria, additional charges will apply.
- Any additional repairs found during disassembly or testing will be quoted at that time.
- If parts needed on emergency order basis, extra order processing fee and expedited shipping cost may apply.

**ESTIMATED REPAIR TIME:** \_\_\_\_\_ *from start date*

*"The Signature is an authorization to proceed with the required repair work as described within the quote".*

**Issued PO#** \_\_\_\_\_ , **Authorized Name** \_\_\_\_\_ *Please Print.*

**Date** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ .                      \_\_\_\_\_  
Signature

Any Questions? Please Call Robert Pierson at 319-365-6500 x2288  
(fax: 319-365-5493 - email: rpierson@altorfer.com).

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