



### AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Repairs to Centrisys Centrifuge at Wastewater Plant		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater. Rich Babica, Public Works Director		
Date:	3/08/17		
<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: Vision 5: Manage City resources and assets to effectively deliver core services, provide for capital investment, and meet community needs and desires. Goal G: Develop and provide funding for capital investments and projects that consider a variety of local capital needs and those mandated by State/Federal Agencies.			
Estimated Cost: \$52,275		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Executive Summary:</b>			
<p>There are two centrifuges at the Wastewater Treatment Plant that have been in operation since 2004. One is used to thicken and one is used to dewater sludge. Both centrifuges operate 25-30 hours per week. Vibrations and unusual noises were noticed on the thickening centrifuge which lead staff to send the centrifuge in for repairs in 2015 to the facility in Kenosha, Wisconsin which was approved by the Geneva City Council. Staff budgeted for repairs to the dewatering centrifuge for the current fiscal year due to the number of operating hours. The manufacturer is recommending that the centrifuge be evaluated for evaluation and repairs at their Kenosha, Wisconsin facility.</p>			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Quote</li> <li>• Resolution</li> </ul>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
<p>Staff requests that the City Council authorize the City Administrator to waive the bidding process for repairs and approve the resolution to enter into an agreement with Centrisys Centrifuge Systems, Kenosha, Wisconsin, for evaluation and repairs to the dewatering centrifuge in an amount not-to-exceed \$52,275.</p>			



Send to: Tom Price  
Date: 3-2-17  
E-mail: [tprice@geneva.il.us](mailto:tprice@geneva.il.us)

# **Preliminary Repair Estimate of CS21-4 Centrifuge and 1071D Rotodiff**

**For**

## **City of Geneva**

### **#05818-R1**

**Att: Tom Price  
City of Geneva  
602 Crissey Rd.  
Geneva, IL 60134**

**March 2, 2017**





**1. CENTRIFUGE REPAIR PRICING- MINOR REPAIR**

- 1. Dismantle, clean and inspect
- 2. Provide report with digital pictures
- 3. Check run-out on all components
- 4. Crack check headwalls
- 5. Replace damaged hardware
- 6. Replace bearings and seals
- 7. Hi-speed balance bowl
- 8. Hi-speed balance scroll
- 9. Reassemble

Repair of centrifuge: ..... \$ 15,250.00

**2. CENTRIFUGE REPAIR PRICING – MAJOR REPAIR**

- 1. Dismantle, clean and inspect
- 2. Replace bearings and seals
- 3. Provide report with digital pictures
- 4. Check run-out on all components
- 5. Crack check headwalls
- 6. Replace damaged hardware
- 7. Replace worn/missing tiles (up to 40 tiles)
- 8. Replace broken nozzles
- 9. Repair flights
- 10. Restore hardfacing
- 11. Repair feedchamber wear
- 12. Balance bowl
- 13. Balance scroll
- 14. Reassemble

Repair of centrifuge: ..... \$ 27,000.00



**3. BACKDRIVE REPAIR - MINOR**

- 1. Dismantle, clean and inspect
- 2. Replace bearings and seals
- 3. Reassemble
- 4. Test

Repair of Backdrive : ..... \$ 4,275.00

**4. BACKDRIVE REPAIR - MAJOR**

- 1. Dismantle, clean and inspect
- 2. Replace bearings and seals
- 3. Replace transfer seal
- 4. Replace cam
- 5. Replace rotor
- 6. Reassemble
- 7. Test

Repair of Backdrive: ..... \$ 19,500.00

**5. ESTIMATED SHIPPING**

Shipping to and from site: ..... \$ 1,500.00



## **6. TERMS:**

<b>Terms:</b>	<b>Net 30</b>
<b>Delivery:</b>	<b>2-4 (two to four) weeks from arrival in our shop (ARO)</b>
<b>FOB:</b>	<b>Kenosha, WI</b>
<b>Warranty:</b>	<b>6 (six) months on repaired/replaced parts</b>

Quote valid for 30 days.

Centrisys reserves the right to adjust this estimate.

If you have any questions please give me a call

George Kueppers

**RESOLUTION NO. 2017-27**  
**RESOLUTION AUTHORIZING EXECUTION OF**  
**Repairs to Centrisys Centrifuge**

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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, an agreement with Centrisys Centrifuge Systems, in the form attached hereto as Exhibit "A", relating to repairs of the dewatering centrifuge at the Wastewater Treatment Plant.

**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 \_\_\_\_ day of \_\_\_\_\_, 2017

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

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Mayor

ATTEST:

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