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Date: February 7, 2017

Alex:

Hudson Water Resources would like a quote from you for the rehab of our Well #1. Here are the specs on Well #1 taken from the last time rehabbed in 2010. I have funds appropriated to proceed with the project this year. Please provide individual pricing for each line item.

1. Test pump #1 well, pull and inspect the pump for wear and softening of metal. Please note this pump is located in a small building similar to the other well serviced by your company some years ago and the roof will need to be removed for this project. This item will include any mobilization/ demobilization/ travel needed for this project. Well pump inspection is to be performed at your facility and include inspection of the column pipe, bowl assembly, impellers, line shafts, couplers, bearings and any other associated components. List pricing on a per item basis for the following items:
  - A. Stainless steel top shaft
  - B. 1 3/16" x 10' stainless steel shaft
  - C. 8" x 10' column with coupling
  - D. 8" x 5' column with coupling
  - E. Deming 2 stage 12XLE bowl assembly
2. Provide a report on the well and pump condition with recommendations on well cleaning and pump repairs. Include well cleaning pricing for the following:
  - a. high intensity cleaning process along with details on methods of cleaning
  - b. low intensity cleaning process along with details on methods of cleaning.
3. Clean the well after determining the degree of cleaning needed and approval has been given by appropriate administrative personnel.
4. Repair the pump which will include overhauling the discharge head (including painting), cleaning and straightening line shafts, replacement of bowl bearings and line shaft bearings as authorized by appropriate administrative personnel.
5. Reinstall pump and perform performance testing with report.

<u>Pump rate:</u>	<u>Water level:</u>	<u>Discharge pressure:</u>
0 gpm	28.50 ft.	68psi
500 gpm	40.33 ft.	58 ½ psi
600 gpm	43.83 ft.	56psi
700 gpm	46.58 ft.	54 psi

These were the test results from last rehab in July of 2010

Please feel free to contact me with any questions regarding this matter,  
My new cell phone number is 330-802-0507

Thank you,

Scott P. Angel, Public Works Superintendent Water

cc: Kevin Powell, Assistant Public Works Director Utilities