



**Rochelle Municipal Utilities**  
Water/Water Reclamation  
Interoffice Memorandum

To: David Plyman

From: Adam Lanning

Date: January 20, 2015

Re: Council Approval for Well 11 Repairs

On January 5, 2015 production well 11 located on Flagg road experienced an unexpected equipment failure. Since another production well is already out of service for routine repairs, RMU decided to call in an emergency repair with the contractor Municipal Well & Pump. After inspection of the equipment, it has been determined the pump, motor, cable and sand separator either need to be replaced or rebuilt.

After careful review of the options, I recommend replacing the pump and motor along with all associated equipment totaling \$88,187.90 compared to \$81,768.40 to rebuild the equipment. The new equipment is in stock and can be installed in approximately 5 weeks compared to 10 weeks if we rebuild the equipment. A new motor and pump will allow us to downsize from a 300 HP motor to 200 HP with the same output. This should result in a significant power reduction due to the improved efficiency of the pump.