

Town of Century Miscellaneous Water System Improvements

Motion: Authorize the Mayor to execute Change Order No. 5 for the Miscellaneous Wastewater Improvements Phase II project at the Wastewater Treatment Plant.

Background: The Town is required to replace the existing automatic transfer switch at the wastewater treatment plant. This device is required by FDEP to operate the plant generator and is intended to automatically turn on the plant generator during a power outage.

During the installation of the automatic transfer switch (ATS), power to the plant will be down for a prolonged period of time while the ATS is being installed. The Contractor estimates it will take them 12-18 hours to complete the work. During that time period one of the blowers will need to operate on emergency power, via an emergency generator. In order to reduce the size of the generator required and bring the blower controls into code compliance, a new control panel will be installed adjacent to the blowers.

This Change Order request is intended to provide this panel and solve several additional concerns. First, it will move the electrical control of the blower outside of the motor control center and out of the way of the contractor while they are installing the new ATS. Second, it will allow for the contractor to install a reduced voltage (soft) starter which will lower the starting power demands for the blower, comply with current code, and allow for a smaller generator to be used to run the blower. Lastly, the new panel will allow for a generator receptacle to be installed which will make generator connection to the panel much easier and safer both now and in the future.