**MEMO**

To: Project File, Chesterfield New Wastewater Treatment Plant and New Main Pump Station SRF No. WW10 06 48 02

From: Jack Fisher

Date: August 11, 2011

Re: Green Project Reserve, Business Case

A Business Case was prepared by Commonwealth Engineers, Inc. for the Town of Chesterfield New Wastewater Treatment Plant and New Main Pump Station. The Business Case addressed (1) the new Supervisory Control and Data Acquisition (SCADA) System and (2) new variable frequency drives (VFDs) on the three new pumps for the main pump station**. Based on a review of the Business Case it was determined that the SCADA system and the VFDs qualify under the category for energy efficiency.**

The assessment that each of these components qualifies under the category of energy efficiency is based on the following:

1. The new SCADA system will allow the blowers at the treatment plant to use approximately 13 percent less energy.
2. The new VFDs will allow the three new pumps at the main pumping station to use less than approximately 3 percent less energy.

The capital cost for the green project components is $453,883 based on $431,888 for construction and $21,995 for planning and design.

The total State Revolving Fund Loan amount will be $3,759,000.