



State Revolving Fund Loan Program

an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275
Indianapolis, Indiana 46204
www.srf.in.gov

MEMORANDUM

TO: Official Loan File

FROM: Jack Fisher

DATE: December 1, 2015

RE: Green Project Reserve (GPR) Business Case
Switz City Water System Improvement – Connection to City of Linton
SRF Project DW 15 04 28 01

Summary:

- Switz City proposes the installation of approximately 16,000 feet of 6-inch water main and the construction of a new booster pump station equipped with high efficiency motors and variable frequency drives (VFDs).
- This water main and booster pump station will be constructed so that the town can purchase all of its water from the Linton. Therefore, Switz City will no longer use their existing well field and water treatment facility.
- The State Revolving Fund Loan Amount is \$846,000.
- The GPR cost is **\$18,822**, which includes **\$16,322** for the booster pump station with VFDs and **\$2,500** for planning and design costs.

Conclusion:

- The estimated annual energy savings with the abandonment of the well field and water treatment plant and the construction of a booster pump station will be approximately \$10,800.
- The estimated annual energy savings with the installation of VFDs and efficient motors on the pumps for the booster pump station will be approximately \$1,200.
- The total electrical savings will be \$12,000 for the entire project, which falls under the category of **energy efficiency**.

