



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: Project File, Town of Bremen,
Public Water Supply Facilities Project
SRF Project # DW 15025001

FROM: Ethel L. Morgan, PE

DATE: February 24, 2015(Final)

RE: Green Project Reserve, Business Case

Summary

1. The Town of Bremen is constructing a new water treatment facility including a new building, chemical feed system, water supply well, filtration system, backwash holding tank, and Supervisory Control and Data Acquisition (SCADA) system at the location of the existing ground storage reservoir. With the construction of the new facility, the Town will eliminate the need for double pumping the treated water.
2. The entire facility is constitutes the energy efficient component. A business case was developed identifying the energy savings associated with the construction of the new facility. The result of the business case shows that by constructing the new facility, pumping can be reduced by 50% for a total annual energy savings of \$7,731. Therefore, the energy usage reduction exceeds the 20% reduction GPR requirement.
3. The actual as-bid energy efficient GPR cost for this project is \$3,256,967. The GPR engineering cost for the Public Water Supply Facilities Project is \$302,707, for a **total GPR as-bid cost of \$3,559,674**. Bremen closed on a SRF loan on March 31, 2015 in the amount of \$2,659,000.

Conclusions

1. The business case and categorical exclusion was reviewed by internal staff and found to be in accordance with meeting the GPR requirements for the energy efficiency category.

