



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 Edgewood
Sewer Rehabilitation and Storm Water Pump Station
SRF Project # WW 14074801

FROM: Ethel L. Morgan, PE

DATE: December 1, 2015

RE: Green Project Reserve (GPR)

Summary:

- The proposed project will reduce the amount of clear water that enters into the Town's sanitary sewer system and has to be pumped to the City of Anderson for treatment by the use of Cured-in-Place Piping (CIPP) and manhole rehabilitation. Approximately 8,800 lineal feet of 8-inch to 24-inch diameter sanitary sewer will be lined and 33 manholes will be rehabilitated.
- The removal of the clear water sources will reduce the Town's bill from Anderson for treatment and will help to extend the life of the Town's pump station by reducing the flows through the station.
- The storm water pump station is needed to remove the storm water from the sanitary sewers in the Pershing Drive area and provide relief from surcharged sewers in the area.
- The estimated Total Project Cost is \$1,455,000, which is the same amount as the State Revolving Fund Loan.
- The cost of the GPR portion of the loan associated with the CIPP and manhole rehabilitation is **\$831,088**, including \$801,588 for construction costs and \$29,500 for planning and design costs. The total GPR portion represents approximately 45.5 % of the estimated loan amount and falls under the **energy savings** category.

Conclusions

- The proposed sewer and manhole rehabilitation project will result in an annual energy cost savings of \$1,908 associated with pumping at the lift station and \$66,536 in treatment costs associated with the five traditionally wet months for a total annual savings of \$68,444.
- The project will have a payback period of approximately 25 years. The life expectancy of the sewer and manhole improvements is 70+ years.

