



State Revolving Fund Loan Program an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275
Indianapolis, Indiana 46204
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MEMORANDUM

TO: Project File, Town of Reynolds, Collection System Improvements, SRF Project # WW12 91 15 01

FROM: Jack Fisher

DATE: April 4, 2013

RE: Green Project Reserve (GPR), Business Case

Summary:

- Reynolds collection system consists of a sanitary sewer system with three lift stations. The proposed project addresses the collection system needs by reducing excessive infiltration and inflow (I/I), which will also reduce treatment cost at their wastewater treatment plant (WWTP). These improvements consist of cured-in-place-pipe (CIPP) lining for approximately 5,280 feet of sewers or roughly 25% of the four miles in the entire collection system. In addition, the town will have approximately 105 manholes rehabilitated. Also, since the bids came in low the town will be able to rehabilitate approximately 4,000 more feet of sewers. This business case addresses improvements to the collection system by rehabilitating the sewers and manholes. Since I/I will be reduced at the collection system and impact treatment cost at the WWTP this project will qualify under the category of energy efficiency.
- Estimated State Revolving Fund Loan Amount is \$337,000 (Office of Community and Rural Affairs grant will pay \$500,000).
- Estimated GPR portion cost of loan associated with the collection system improvements is **\$337,000**. This represents 100 % of the estimated loan amount.

Conclusions

- The CIPP lining and manhole rehabilitation alternative is the cost-effective alternative. The energy savings is approximately 25% which makes this categorical under the energy efficiency category.

