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, City of Fort Wayne, Sewer Rehabilitation, SRF Project # WW14 31 02 07

FROM: Jack Fisher

DATE: December 15, 2014

RE: Green Project Reserve (GPR), Business Case

Summary:

- The proposed project includes the rehabilitation of approximately 213,784 feet of 8-inch through 36-inch diameter pipe in three packages. Area 1 includes: approximately 5,816 feet of 8-inch; approximately 623 feet of 10-inch; approximately 48,530 feet of 12-inch; approximately 23,982 feet of 15-inch; approximately 5,767 feet of 18-inch; approximately 6,072 feet of 24-inch; and approximately 156 feet of 27-inch diameter sewer. Area 2 includes: approximately 2,094 feet of 8-inch; approximately 15,100 feet of 10-inch; approximately 20,108 feet of 12-inch; approximately11,000 feet of 15-inch; approximately 2,101 feet of 18-inch; and approximately 812 feet of 24-inch diameter sewer. Area 3 includes: approximately 3,946 feet of 8-inch; approximately 6,903 feet of 10-inch; approximately 47,630 feet of 12-inch; approximately 6,904 feet of 15-inch; approximately 3,789 feet of 18-inch; approximately 281 feet of 20-inch; approximately 353 feet of 21-inch; approximately 1,400 feet of 24-inch and approximately 316 feet of 36-inch diameter sewer.

- Estimated State Revolving Fund Loan Amount is $11,200,000.

- Estimated GPR portion cost of loan associated with the sewer rehabilitation for energy savings and treatment cost is **$9,124,813**. This represents approximately 81 % of the estimated loan amount. No planning costs since it was done by the city.

Conclusions

- The proposed sewer rehabilitation project will result in an annual energy cost savings of $120,777 associated with wastewater treatment and $769,564 total treatment cost savings for a total annual savings of $890,341 for the proposed project.

- The project will have a payback period of 11 years. The life expectancy of the sewer improvements is 70+ years.