



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: Amanda Rickard

DATE: Feb. 8, 2017

RE: Green Project Reserve (GPR) Business Case
Crawfordsville POTW Improvements
SRF Project WW 16 28 54 02

Crawfordsville will improve operations and achieve discharge permit limits at their wastewater treatment plant after construction of one circular primary clarifier, three circular secondary clarifiers, a flow control structure, and a RAS/WAS pumping station. In addition, they will construct approximately 7,400 feet of storm sewers to eliminate combined sewer overflows from outfall CSO 002 which is required as part of their CSO Long Term Control Plan.

Reduction of infiltration/inflow into the combined sewer system will prevent unnecessary treatment of storm water, providing energy savings and qualifying the storm sewers as green components. Variable frequency drives will be included on the RAS/WAS pumps which will reduce energy use and are thus green components. The business case developed by Butler, Fairman and Seufert was reviewed and found to meet the GPR requirements for the energy efficiency category.

The clarifier tanks will use recycled steel reinforcement. The steel supplier certifies that their bar products contain 99.8 percent recycled content. Recycled steel along with ductile iron pipe material for the plant piping are considered to be green materials. The pipe supplier certifies that their ductile iron pipe contains as much as 95 percent recycled content. The business case developed by Butler, Fairman and Seufert was reviewed and found to meet the GPR requirements for the environmentally innovative category.

The total GPR cost is \$822,000. Of this, the construction cost based on bids is \$295,000 (energy efficiency components), and \$321,000 (environmentally innovative components); and engineering cost is estimated at \$206,000. Crawfordsville closed an SRF loan in the amount of \$12,725,000 on November 28, 2016.

