



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: July 15, 2014

RE: Green Project Reserve (GPR) Business Case
Elkhart WWTP Expansion and CSO 6&7 Storage and Pump Facility
SRF Project WW 14 16 20 03

Elkhart proposes improvements to its wastewater treatment plant (WWTP) at the North Interceptor pump station, headworks, final clarifiers, ultraviolet (UV) disinfection system, and SCADA system. In addition, a new CSO 6&7 storage and pump facility will be built.

The new UV disinfection system qualifies for GPR under the water efficiency category. The UV disinfection system will replace the existing chlorination/dechlorination disinfection system, which uses water to create the required vacuum for chemical injection. By converting to UV disinfection, nearly 34 million gallons of water will be saved per year. This corresponds to approximately \$30,000 of yearly savings in water purchases. Efficient water use has the added benefit of reducing the amount of energy required. In addition, eliminating chlorine gas and sulfur dioxide will reduce the amount of chemicals introduced to the environment and will save operation and maintenance costs.

The business case developed by DLZ Indiana, LLC was reviewed and found to meet the GPR requirements for the water efficiency category.

The total GPR cost is \$3,206,000. Of this, the construction cost based on bids is \$2,800,000 and engineering cost is estimated at \$406,000.

Elkhart closed an SRF loan in the amount of \$21,770,000 on June 26, 2014.