



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 Hebron, Wastewater Treatment Facility Upgrades
SRF Project # WW 18 19 64 02

FROM: Ethel L. Morgan

DATE: October 31, 2019 (Final)

RE: Green Project Reserve, Business Case

Summary

1. The Hebron Wastewater Treatment Facility Upgrades project includes the construction of a new screening building, a new conventional activated sludge treatment system, a new RAS/WAS pump station, a new excess flow lagoon, and conversion of the existing clarifiers to new aerobic digesters. Also included is the rehabilitation of equipment and processes that have outlived their useful lives. The proposed project will replace equipment that has outlived its useful life and improve hydraulics and efficiencies in the operation of the treatment facility.
2. The energy efficient component is the installation of variable frequency drives on the pumps and a dissolved oxygen monitoring system on the aeration tanks. It is estimated that the use of the VFDs and DO monitoring will save approximately \$62,700 in annual energy costs, a reduction of about 40%. Therefore, the energy usage reduction exceeds the 20% reduction GPR requirement for categorical projects. **The actual bid cost for these items is \$80,800.**
3. **The total as-bid GPR for the loan is \$80,800 with planning and design costs of \$8,600 for a total GPR component of \$89,400.** Hebron closed a loan with the SRF program in the amount of \$8,765,000 on October 31, 2019.

Conclusions

1. The business case was reviewed by internal staff and found to be in accordance with meeting the GPR requirements for energy efficiency.

