



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: Jack Fisher

DATE: December 15, 2014

RE: Green Project Reserve (GPR) Business Case
Washington TWP Water Corp. Water System Improvements
SRF Project DW 14 06 53 01

Summary:

- Washington Township Water Corporation proposes to relocate and upsize water mains within the proposed I-69 corridor being constructed by the Indiana Department of Transportation (INDOT). The proposed project includes: relocating and upsizing approximately 8,570 feet of 2-inch and 3-inch water main to new 6-inch high density polyethylene (HDPE) water main; relocating and upsizing approximately 20,030 feet of 3-inch and 6-inch water main to new 12-inch HDPE water main; relocating and upsizing the existing 200 gpm booster station to a new 500 gpm booster station; and constructing a new 200,000 gallon elevated water storage tank.
- The replacement of the existing water mains with HDPE pipe will help reduce water loss due to pipe having its joints fused joints to create a totally sealed main. Based on this premise, the replacement of the existing water main with HDPE pipe would fall under the category of water efficiency for Green Project Reserve (GPR) consideration.
- The State Revolving Fund Loan Amount is \$1,500,000.
- The GPR cost is **\$140,345** which includes only the construction costs for the new water mains for the new Freeway Construction on I-69, Wylie Road to North of Sample Road and East of I-69. All planning and design costs for the relocation of the water mains will be paid by the INDOT.

Conclusion:

- The proposed HDPE water main improvements will result in a water loss reduction of approximately 6.3 % per year and save approximately \$11,087 annually.

