



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: Tracey Trimpe

DATE: August 21, 2018

RE: Green Project Reserve (GPR) Categorical Exclusion and Business Case  
South Whitley- LTCP Compliance Plan Phase A Implementation Improvements  
SRF Project WW 17 13 92 02

The Town of South Whitley proposes improvements to its wastewater treatment plant (WWTP) consisting of two new final clarifiers, new flow splitter facility, new RAS/WAS scum pump station, repurpose existing final clarifiers as additional wet weather storage, new overflow channel from the existing CSO storage tank to the additional wet weather storage (repurposed clarifiers), new chlorine contact tank, two new effluent pumps in the existing chlorine contact tank, flood protection improvements to existing buildings, floodway mitigation with a flood flow bypass channel adjacent to the new clarifiers; and associated yard piping and site work, including impermeable pavement.

Components of this project are considered to be green under two GPR categories, as outlined below.

**The green infrastructure component is the impermeable pavement.** Permeable pavement will be installed where additional or replacement pavement is needed at the WWTP. The impermeable pavement is considered categorical under I, 1.

**The climate and extreme weather resiliency component are the flood protection improvements to existing buildings.** Previous improvements performed in 2012 included existing and new structures in conformance at least 2 feet above the flood elevation. In 2015 the flood elevation was raised 4.3 feet resulting in several structures being slightly below the new 100 year flood elevation.

This project does not require any structural modifications to existing structures in order to function in accordance with the design criteria. Therefore no codes require flood mitigation/protection on those structures since they would be "grandfathered". However, incorporating flood damage mitigation on those facilities will enable the treatment plant to remain in operation to what is estimate to be the 25 year flood and will prevent damage to the electrical and mechanical components needed for operation of the facility, up to the 100-year flood event. These actions will provide weather resiliency and meet the requirements of the green project reserve.

Flood protection will be incorporated at four existing buildings with a finished floor elevation below the recently revised 100-year flood elevation. The business case, developed by Donohue & Associates, Inc., was reviewed and found to meet the GPR requirements for the climate and extreme weather resiliency category.

The total GPR cost is \$132,188. The construction cost based on bids is \$3,650,000 and engineering cost is estimated at \$572,960.

South Whitley plans on closing an SRF loan in the approximate amount of \$4,494,000 in August, 2018.