



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: Mar. 8, 2017

RE: Green Project Reserve (GPR) Business Case  
LaGrange County Regional Utility District  
Travel Plaza #7 Drinking Water Connection  
SRF Project DW 17 03 44 01

Travel Plaza #7 of the Indiana Toll Road I-80/90 has an existing water filtration plant that is beyond its useful service life, and does not have the capacity to serve the area's needs. The proposed project will connect the Travel Plaza #7 to the existing LaGrange County Regional Utility District (District) drinking water treatment and distribution system located at State Road 9.

The project includes approximately 30,000 feet of new water main that will be constructed by trenchless technology. Using trenchless construction will avoid dewatering as compared to open cut construction, and thus energy use in groundwater pumping will be reduced. The project includes high efficiency booster station pumps with VFDs, a hydropneumatic system, and telemetry/automated controls. Based on reduced pump run times as compared to a system without these components, energy use will be reduced. These components, along with LED lighting fixtures for the booster station and hydropneumatic buildings, will save energy for the District. The business case developed by Jones Petrie Rafinski was reviewed and found to meet the GPR requirements for the **energy efficiency category**.

The project includes an automated chlorine analyzer to monitor chlorine residual, allowing for continuously available information on dosing and appropriate reduced use of chemical. The reduction of chemicals in water treatment qualifies this system under the environmentally innovative category.

The total GPR cost is **\$2,036,212**. Of this, the construction cost based on bids is \$1,960,500 and engineering cost is estimated at \$75,712. The District plans to close an SRF loan in the amount of \$4,196,000 on March 24, 2017.

