



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, City of West Lafayette  
Sheraton and Fairway Knolls Lift Station Improvements  
SRF Project # WW 14107907

FROM: Ethel L. Morgan, PE

DATE: December 30, 2014

RE: Green Project Reserve (GPR), Business Case

**Summary:**

- The proposed project is the replacement of the Sheraton and the Fairway Knolls Lift Stations and installing new force main piping from each lift station.
- The estimated Total Project Cost is \$2,115,000, which is the same amount as the State Revolving Fund Loan.
- Estimated GPR portion cost of loan associated with the installation of variable frequency drives on both lift stations is **\$13,200**. This represents approximately 0.6 % of the estimated loan amount.

**Conclusions**

- The annual power savings for the Sheraton Lift Station is estimated to be \$1,649 and the estimated energy savings is 42.6%. The annual power savings for the Fairway Knolls Lift Station is estimated to be \$1,104 and the estimated energy savings is 42.8%.
- The variable frequency drives on the lift stations are considered categorical since they will achieve an energy savings greater than 20%.

