



1574 Highway 98 East
P.O. Box 150
Columbia, Mississippi 39429
Phone (601) 731-2600
Fax (601) 736-6501
www.dunganeng.com

Tuesday, October 12, 2010

Mr. Matthew S. Patterson, E.I.
DWSIRLF Project Manager
Mississippi Department of Health – Bureau of Water Supply
P. O. Box 1700
Jackson, MS 39215-1700

Re: Case for "Green" Project Consideration
Water System Improvements
Lexie Water Association
Walthall County, MS

Dear Mr. Patterson:

On behalf of Lexie Water Association, we request that this project be considered "Green" and eligible for the Green Project Reserve (GPR). Below I will attempt to identify the major scopes of work proposed and the portion of which should be considered "Green":

1. The rehabilitation of the 100,000 gallon elevated storage tank located on Ginn Town Road will include sandblasting, painting, and minor repairs including the installation of an OSHA approved fall arrest system.
2. As part of the project it is proposed to replace approximately 250 existing water meters with new meters. Currently, it has been determined that these meters are not recording usage and are being charged the minimum rate. The new meters will be capable of registering the water usage more efficiently and will be able to detect low flows or leaks. Based on the comparison between the average charge and the minimum rate (currently being charged to these customers), it is estimated that the water association will realize approximately \$24,000.00 in additional revenue from water usage annually. The cost associated with the installation of new water meters is estimated to be \$30,000.00. The repayment period of this improvement is approximately fifteen (15) months.
3. The proposed project also includes the installation of a Supervisory Control and Data Acquisition (SCADA) system to operate and monitor the water system's facilities. This process includes radio communication between the tanks (elevated and booster), the wells, and the treatment

plant and will reduce some of the current dependencies on manual operations. The proposed treatment plant improvements and control system upgrade will allow remote monitoring and alarm signals for each component of the water distribution system to include water well source pumping capabilities, elevated storage tanks, water treatment facilities, booster tanks, etc. The cost associated with the installation of the SCADA is estimated at \$80,000.

Thank you for your continued support on this project. If you have any questions or need additional information, please contact me.

Sincerely,



Sean Burns, P.E., P.L.S.
Project Engineer

SB/mdb

c: Lexie Water Association