

COST-EFFECTIVE CERTIFICATION

Franklin (Williamson County), Tennessee

System-Wide SCADA Improvements, CG2 2016-367

Pursuant to the Federal Water Pollution Control Act as adopted on September 18, 2014, Section 602(b)(13), the City of Franklin, Tennessee, does certify that the City of Franklin has evaluated the cost and effectiveness of the process purposed in the **System-wide SCADA Improvements** project.

The City of Franklin has retained the services of CDM Smith Inc., to prepare the following evaluations:

1. The study and evaluation of the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title.

The project included competitive selection of standardized hardware and software platforms for the SCADA system that also minimize life cycle cost. The options were evaluated for ability to reduce maintenance personnel time, spare parts inventory costs, and operating personnel time to obtain a minimum lifecycle cost option. A radio survey was also performed to select a configuration of radio towers that would minimize the net capital cost of new towers.

2. Energy efficiency of the proposed project was also considered.
3. Water efficiency was not considered as the project is limited to upgrading of electronic components and these particular components do not have the ability to effect water efficiency.
4. Inflow/infiltration (I/I) reduction is not applicable to the scope of work for this project.

Based on the above responses, the City of Franklin certifies that we have evaluated the cost effectiveness and the energy efficiency of the System-wide SCADA Improvements project, SRF Project Number CG2 2016-367.

Dr. Ken Moore
Mayor, City of Franklin

Date

Eric Stuckey
City Administrator,
City of Franklin

Date