

Administration Air Cooled Chiller

Requesting Department/Division: Facilities Maintenance
 Project Manager/Contact: Winston M. Anderson

Estimated Start Date: July 2009
 Est. Completion Date: June 2010

Project Category: Capital Materials & Equipment

Project Status: Planned/Programmed Project
 Project Number: CB0011

Project Description, Justification and Location

The Spartanburg County Administration Building is located at 366 North Church Street. This project will replace the existing Spartanburg County Administration Building 250-ton water cooled chiller installed in 1987 with a 250-ton dual circuited air cooled chiller.

Benefits to Residents, Visitors, Businesses, or County Employees

Installation of a dual circuited chiller will allow the Administration building to have 50% capacity if a compressor fails, preventing the building from having to be closed or bringing in a rental chiller. In addition, water cooled chillers use a large amount of water that is evaporated in the cooling tower. By eliminating the cooling tower, Spartanburg County will be saving an estimated 800,000 gallons of water per year.

Impact on Annual Operating Budget

Annual operating costs associated with operating the air cooled chiller are already captured in the operating budget. A decrease in utility expenditures could result from the installation of a more energy-efficient air cooled chiller requiring less water to operating.

Project Status (as of July 1, 2009)

Planned/Programmed project, with funding beginning July 1, 2009.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2010-14 Totals
Administration Building Air Cooled Chiller								
<u>Expenditures</u>								
Planning/Design/Engineering	10,000	0	10,000	0	0	0	0	10,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	0	0	0	0	0	0	0	0
Capital Materials/Equipment	240,000	0	240,000	0	0	0	0	240,000
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total Expenditures	250,000	0	250,000	0	0	0	0	250,000
<u>Revenues</u>								
General Obligation Bond FY 2009/10	250,000	0	250,000	0	0	0	0	250,000
Total Revenues	250,000	0	250,000	0	0	0	0	250,000