

E Environment Committee
For the Metropolitan Council meeting of June 24, 2009

ADVISORY INFORMATION

Date Prepared: June 10, 2009

Subject: Authorization for Sole Source Procurement to Border States Electric for Programmable Logic Controllers at the Metropolitan Wastewater Treatment Plant

Proposed Action:

That the Metropolitan Council authorize its Regional Administrator to procure Programmable Logic Controllers (PLC) for the Metropolitan Wastewater Treatment Plant (WWTP) from Border States Electric, Inc., at a cost not to exceed \$960,000.

Summary of Committee Discussion / Questions:

In response to questions from committee members, staff clarified that Allen Bradley PLC's are used at the Stillwater Plant, and one is used at the Hastings Plant. Staff reported estimated life expectancy of the PLCs is generally considered to be 15-20 years.

Motion to accept the proposed action was made, seconded, and passed unanimously.

E Environment Committee
Meeting date: June 9, 2009

For the Metropolitan Council Meeting of June 24, 2009

ADVISORY INFORMATION	
Date:	June 1, 2009
Subject:	Authorization for Sole Source Procurement to Border States Electric for Programmable Logic Computers at the Metropolitan Wastewater Treatment Plant
District(s), Member(s):	All except District 4 and District 16
Policy/Legal Reference:	Council Policy 3-3, Expenditures-
Staff Prepared/Presented:	Bryce Pickart 651-602-1091; Bill Cook 651-602-1811
Division/Department:	MCES c/o William G. Moore 651-602-1162

Proposed Action

That the Metropolitan Council authorize its Regional Administrator to procure Programmable Logic Controllers (PLC) for the Metropolitan Wastewater Treatment Plant (WWTP) from Border States Electric, Inc., at a cost not to exceed \$960,000.

Background

The existing process computer system consists of Bailey Controls distributed control systems (DCS) which were made obsolete by the manufacturer (business consolidation decision) soon after they were installed. Spare parts were procured with the original construction and have been recycled from recent process abandonment. Our spare parts inventory has declined and is expected to be consumed within the next two years. Spare parts are not available which results in a need to replace our DCS with a newer version consisting of Programmable Logic Controllers (PLC's). Recent competitive bidding has resulted in obtaining Modicom PLC's for the Empire, Seneca and Blue Lake WWTPs. The Eagles Point WWTP operates a Allen Bradley version, which is not suitable for the Metropolitan WWTP. Hastings and Stillwater operate DCS or older systems.

The potential to obtain a different PLC system would cause an increase in spare parts inventory, programming systems management activities, programming training and software maintenance activities. These increases have a life cycle estimate of \$500,000. Competitive pricing has been obtained on previous projects and the vendor has agreed to use those competitive-based costs to provide the PLCs for the Metropolitan WWTP.

Rationale

Sole source procurements exceeding \$250,000 require authorization by the Metropolitan Council.

Funding

BUDGET INFORMATION					
Annual or Capital	Project No.	Estimated Project Cost	Current Auth.	Unencumbered Funds	Requested Amount
Capital	805900	\$960,000	\$38,000,000	\$34,660,000	\$960,000

Known Support / Opposition

None