

LRB – FISCAL REVIEW SECTION ANALYSIS

**JULY 20, 2005 AGENDA
PUBLIC IMPROVEMENTS COMMITTEE**

**ITEM 31, FILE 050441
Emma J. Stamps**

File No. 050441 is a resolution authorizing the Commissioner of Public Works to issue a Request for Proposals and award a contract for the replacement of the Water Works' present Supervisory Control and Data Acquisition System and control rooms at the Linnwood and Howard Avenue Water Purification Plants.

Background

1. Lake Michigan water is pumped into two water purification plants located on the city's north and side sides, for treatment and distribution to customers in the entire Milwaukee Water Works service area. The infrastructure and its maintenance is supported by user fees.
2. The Water Works monitors and controls the water pumping stations and throughout the distribution system from the Linnwood and Howard Avenue plants and its downtown Control Center – providing operators with real-time pressure, power and flow information using a Supervisory Control and Data Acquisition (SCADA) System.
3. The original SCADA system was replaced in 1998. The Water Works plans to replace the current SCADA system and the control rooms at the Linnwood and Howard Avenue.

Discussions

1. File 050441 authorizes the Water Works to initiate the replacement of its SCADA system through a RFP issuance and awarding of a contract to the winner bid.
2. The 2005 Capital Improvements budget appropriated \$2,800,000 for Water Works' plant buildings and treatment infrastructure improvements, of which \$2,000,000 funds SCADA related projects accordingly:

Description of Authorized Treatment Plant Projects	Project Acct No.	Budgeted Appropriation	File 050441 Requested Expenditure
Linnwood Plant Bldg Improvements	WT450051000		
Control Center – SCADA		\$500,000	\$500,000
Security Upgrades		\$200,000	\$-0-
Linnwood Plant Treat. Improvements	WT450052000		
Control Center – SCADA		\$600,000	\$600,000
Flocculator replacements		\$400,000	\$-0-
Howard Plant Bldg Improvements	WT450053000		
Control Center – SCADA		\$500,000	\$500,000
Howard Plant Treat. Improvements	WT450054000		
Control Center – SCADA		\$400,000	\$400,000
Chemical Mixing Upgrades		\$200,000	\$-0-

Fiscal Impact

Adopting File 050441 authorizes the Water Works to issue a RFP, award a contract for replacement of its SCADA system and control rooms using 2005 Capital Improvement appropriations.

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LRB – Fiscal Review Section
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