



# Environment Committee

Meeting date: December 11, 2007

For the Metropolitan Council meeting of December 12, 2007

**Business Item**  
SW Item: 2007 – 408

## ADVISORY INFORMATION

<b>Date:</b>	December 4, 2007
<b>Subject:</b>	Authorization to Negotiate and Execute Contract No. 07P053 for Arc Flash and Short Circuit Coordination Study
<b>District(s), Member(s):</b>	All
<b>Policy/Legal Reference:</b>	Council Policy 3-3, Expenditures
<b>Staff Prepared/Presented:</b>	Leisa Thompson 651-602-8101; Jim Schmidt 651-602-8335
<b>Division/Department:</b>	MCES c/o William G. Moore 651-602-1162

### Proposed Action

That the Metropolitan Council authorize its Regional Administrator to negotiate and execute MCES Contract No. 07P053 with Square D Services for Arc Flash and Short Circuit Coordination Study.

### Background

Recent changes to the National Fire Protection Act (NFPA 70E) codes and standards require that an arc flash hazard analysis be conducted on electrical equipment. In order to comply with this requirement an electrical short circuit and protective device coordination study, arc flash hazard analysis, and arc flash training will be needed.

A formal request for proposals (RFP) was publicly advertised. Seven proposals were received and ranked by a panel comprised of electrical maintenance personnel and financial staff. The proposals were evaluated on experience, qualifications, quality of the proposal and price. Proposals ranged from \$515,366 - \$3,000,000. Two proposals, those from Camp Dresser McKee (CDM) and Square D Services, were ranked the highest. Square D Services, with a proposed cost of \$644,344, was recommended by the committee.

After ranking the proposals, the selection committee recommended including in the contract an additional task enabling the contractor to complete minor arc flash mitigation measures, such as adjusting settings and replacement of small electrical equipment when it is cost effective. This is intended to accelerate and simplify the overall arc flash effort. Therefore it is recommended that a contract be negotiated with Square D Services for an amount not to exceed \$729,000, which includes \$64,656 for implementing minor mitigation measures.

### Rationale

Professional service contracts with an amount exceeding \$250,000 require Metropolitan Council authorization.

### Funding

Funding is available in MCES 2008 Annual Budget.

### Known Opposition / Support

None