Business Item 2016-9:

Authorization to Award and Execute Contract 15P115 for Electrical Maintenance Services at Metropolitan Council Environmental Services Facilities

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Preventive Maintenance (PM) of electrical systems is critical to the successful and safe operation of Metropolitan Council treatment processes.

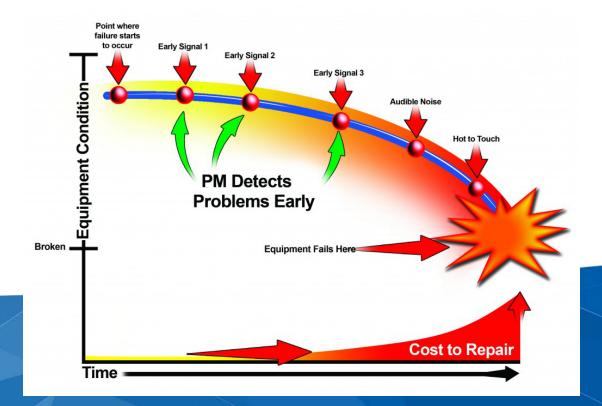
Preventive Maintenance is:

- Inspection
- Cleaning
- Testing
- Adjustment to specification
- Repair as needed



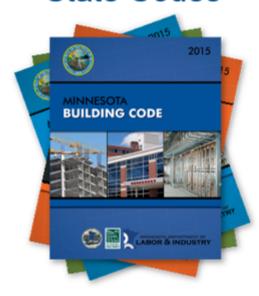
Preventive Maintenance detects potential failures before they become catastrophic and will decrease down time and cost to repair.

\$1 spent preventing failure = \$10 spent repairing after failure

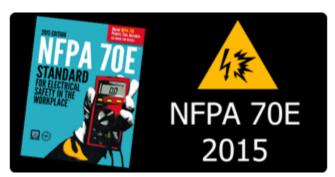




Minnesota
State Codes



National Electrical Code



International Standards



Maintenance, inspection and testing of electrical equipment is governed by multiple codes and standards



Electrical Equipment covered under contract includes:

13,800V Main Switches & Substations



480V Motor Control Centers



13,800V, 4,160V and 480V Transformers



15P115 Electrical Maintenance Services

- If approved this will be the third Electrical Maintenance Services contract for electrical systems since 2006
- These contracts have successfully inspected, cleaned and tested 98% of the electrical systems at the treatment facilities
- They have greatly increased the reliability of the electrical systems
- Service outages due to internal electrical equipment failure have dropped to near zero at the treatment facilities
- This contract expands services to the Interceptor Services facilities (Lift stations, Metering sites, Regional Maintenance)
- Addresses newly expanded code requirements for testing and documentation



Why contract inspection, cleaning and testing?

- Flexibility to adjust staffing levels based on:
 - The specialization, qualification and certifications required
 - Scope of work scheduled
 - Availability of equipment
- The typical electrical PM
 - Requires 8 to 12 qualified and certified personnel
 - Can take between 5 to 30 days based on the scope of the work.
- Contractors own and maintain
 - The specialized equipment for high voltage testing
 - Training, certification and qualification of technicians
 - Accreditation by NETA for electrical testing standards and protocols



Electrical Maintenance Services

Contractors were Pre-Qualified based on:

- Qualifications of the Contractor
 - Successful performance of electrical maintenance contracts in similar industrial setting
- Qualifications of the Contractor's Employees
 - High voltage experience and certification
 - Electrical Maintenance experience
- Qualifications for electrical testing
 - Current NETA accreditation of firm
 - Current NETA certification of Technicians
 - Testing experience in similar industries and equipment on similar sized contracts



Electrical Maintenance Services

The Pre-Qualified contractors then provided a bid which included:

- Cost of Services
 - Equipment servicing unit pricing
 - Cost reimbursable rates for miscellaneous work
- MCUB plan for meeting a 10% goal
- Premier Electric submitted the lowest priced bid
- MCUB plan approved by OEO



Electrical Maintenance Services

Proposed Action

 That the Metropolitan Council authorize the Regional Administrator to execute a contract for Electrical Maintenance Services at MCES Facilities to Premier Electric Corporation for an amount not to exceed \$12,000,000 and a term not to exceed five years.

Background

- Premier Electric submitted the lowest responsive, responsible bid.
- The contract has a term of five years. The award will fund the contract for the term of five years.



Questions

