



CITY OF RAPID CITY

Engineering Services

300 Sixth Street

Rapid City, SD 57701-2724

Telephone: (605) 394-4154 FAX: (605) 394-6636

May 13, 2008

To: Public Works Committee/City Council

Ref: Request for Authorization to Seek Proposals
Water Reclamation Facility Motor Control Center
Project No. WRF08-1732

The Water Reclamation Division requests authorization to seek proposals for professional services for replacement of a Motor Control Center. The Motor Control Center is located in the Water Reclamation Facility's old Operations Building. This Motor Control Center provides electrical service for the Water Reclamation Facility Pretreatment Building, Digester Building, Maintenance Shop, Primary and Secondary Clarifiers, and the Trickling Filter Lift Pumps.

The existing Motor Control Center was installed in the early 1990s. In 2003 a Purafil filtration system was installed on the side of the Motor Control Center in an effort to slow corrosion. This Motor Control Center is subject to high humidity and low levels of hydrogen sulfide which create a corrosive environment. After an in depth inspection the Water Reclamation Facility staff has determined the Motor Control Center must be repaired or most probably replaced. The City will seek engineering consulting services to determine the best course of action for repair or replacement and possible relocation of this Motor Control Center.

A consultant will be selected for this project in accordance with the City of Rapid City's current Consultant Selection Policy. Consultants will be evaluated on their ability to provide all phases of the project. The selected consultant will initially be contracted for the Preliminary Design Phase services. Upon successful completion of the Preliminary Design Phase by the consultant the City will contract with the consultant for subsequent phases of the project.

The estimated cost for professional services for this project is \$50,000.00. The estimated cost of construction for this project is \$500,000.00. The design phase of the project will occur in 2008 and construction will occur in 2009. The project will be funded by the Water Reclamation Enterprise (833) fund.



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