



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

Public Works Department Engineering Services Division

300 Sixth Street

Telephone: (605) 394-4154 Fax: (605) 355-3083

Web: www.rcgov.org

April 15, 2014

To: Mayor, Public Works Committee, Common Council

From: Dan Coon – Operations Management Engineer

RE: Request Authorization to Seek Proposals for Purchase of Ultraviolet (UV) Disinfection Equipment for the WRF UV Disinfection System and Post Aeration System Improvements Project; Project No. 14-2157/CIP No. 51017

The Public Works Department, Water Reclamation Division, is requesting authorization to seek proposals for purchase of Ultraviolet (UV) Disinfection Equipment for Rapid City's Water Reclamation Facility (WRF). The selection will not just be based on the equipment purchase price put on an overall evaluation of offered equipment and the equipment supplier.

In 2001 the City of Rapid City (City) purchased the existing UV Disinfection Equipment using the traditional equipment procurement method which bases the purchase of equipment solely on the lowest capital cost. The equipment purchased has since been determined to be undersized and does not contain the features or performance characteristics necessary to meet the required disinfection standards. As a result the City's WRF has received multiple effluent discharge violations.

To minimize the chance of this happening again, City staff proposes to procure a new UV Disinfection System through the proposal process. This process will allow the project team to evaluate the equipment based not only on the initial capital cost but also on other items such as operation and maintenance costs, cost of replacement parts, system features, installation costs, delivery schedule, and quality of customer service and satisfaction of others who have purchased the equipment. The selection process will be as objective as possible.

Although this type of selection process may not result in the lowest initial cost to the City, it does offer the best opportunity for the City to obtain the best long term value for this equipment. Therefore, City staff is requesting authorization to procure this equipment using the proposal process.

The estimated purchase price for UV Disinfection Equipment is \$1,400,000.00. Funding for the project is from the 833 Sewer Enterprise Fund.

Cc: Terry Wolterstorff, Public Works Director



EQUAL OPPORTUNITY EMPLOYER