

## Meeting Agendas/Info

**CITY COUNCIL  
COMMUNICATION:**

**ITEM \_\_\_\_\_**

**01-626**

**OFFICE OF THE CITY MANAGER  
CITY OF DES MOINES, IOWA**

**AGENDA:**

DECEMBER 17, 2001

**SUBJECT:**

WRA FACILITY  
PLAN UPDATE-  
PHASE II,  
PROFESSIONAL  
SERVICES  
AGREEMENT  
SUPPLEMENTAL  
NO. 1

**SYNOPSIS -**

A Supplement Agreement No. 1 has been negotiated with the engineering firm of Veenstra & Kimm, Inc. (H.R. Veenstra, Jr., President, 3000 Westown Parkway, West Des Moines, IA 50266) to provide engineering services for the Des Moines Metropolitan Wastewater Reclamation Authority (WRA) Facility Plan Update-Phase II, Activity ID No. 01-2001-009. The proposed project is on an hourly basis not to exceed \$525,900. A motion was unanimously passed by the WRA management agency at their June 12, 2001, meeting to retain Veenstra & Kimm, Inc. for Phase II services on the Facility Plan Update.

Benefits the City of Des Moines (both individually and as the operating agency of the WRA) will receive from the Facility Plan Update include:

**TYPE:**

**RESOLUTION**  
ORDINANCE  
RECEIVE/FILE

- Development of a document that will guide the WRA management agency and the City as the operating agency in planning for WRA facilities over the next 20 years to improve system efficiency, satisfy regulatory requirements, and provide capacity for growth.

**SUBMITTED BY:**

FLOYD BENTZ, P.E.  
CITY ENGINEER

WILLIAM STOWE  
PUBLIC WORKS  
DIRECTOR

- A system analysis of the City's major sewer systems for flow determinations and flow management analysis. This portion of the study would identify and target systems with high infiltration and inflow, and recommend alternatives to reduce extraneous flows.

- An evaluation of the combined sewer systems and development of a recommended strategy for their operation to maximize treatment and satisfy requirements of the Iowa Department of Natural Resources and the Environmental Protection Agency.

The City's cost share of the Facility Plan Update is \$206,751 or approximately 39 percent of the total cost of the plan. The cost allocations to the participating communities are based on an estimate of the benefit each community receives, and is not based on existing capacity or flows. The City's share of the total flow treated at the WRA Facility is approximately 72 percent of the total flow.

### **FISCAL IMPACT -**

Funding for this project is provided for on page WRA-14 of the 2000-01 Capital Improvement Program (CIP) (Index Code 396960, Account 542010, Fund EN267, Project WRA069, Organization ENG990000). The City's share is \$206,751. Other participating communities to provide \$319,149 in accordance with a 28E Agreement.

### **RECOMMENDATION -**

**Approval of the proposed Supplemental Agreement No. 1 to the Professional Services Agreement with Veenstra & Kimm, Inc.**

### **BACKGROUND -**

The existing Facility Plan for the WRA communities was completed in 1982. The Western Area Facility Plan focused on the needs of the western suburbs and was approved by the Integrated Community Area (ICA) in 1992. This update will be more comprehensive and will assess growth and wastewater collection and treatment needs throughout the metropolitan area.

The first phase of the Facility Plan Update was designed as a preliminary review and evaluation. The first phase of the plan completed an overview of analysis of the current WRA service area, and a review and evaluation of potential additional participants in the WRA system. The results of the first phase lead to a determination of the scope of work for the second and final phase of the WRA Facility Plan.

---