



**CITY COUNCIL
COMMUNICATION:**

ITEM _____

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

00-319

SYNOPSIS -

AGENDA:

JULY 10, 2000

An agreement has been negotiated with the engineering firm of Black & Veatch, a Limited Liability Partnership (P.J. Adam, C.E.O.; 8400 Ward Parkway, P.O. Box 8405, Kansas City, MO 64114), to provide engineering services for the Sludge and Power Generation Study, Activity ID No. 01-2000-029.

SUBJECT:

WRA POWER
GENERATION AND
SLUDGE STUDY-
PROFESSIONAL
SERVICES
AGREEMENT

FISCAL IMPACT -

The proposed project is on a lump sum arrangement in an amount not to exceed \$150,000. Funding for this project is provided for on page WRA16 of the 2000-01 Capital Improvement Program (CIP), Index Code 396267 - WRA Regional Waste Water Plant General Replacement and Facility Modifications -- Account 542010 - Fund EN267 - Organization ENG990000 - Project/Grant WRA062 - Activity ID 01-2000-029. Funding for this project will be from the Renewal and Replacement fund.

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

RECOMMENDATION -

Approval.

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

BACKGROUND -

The Wastewater Reclamation Facility (WRF) requests to perform a study on the solids dewatering and power generation facilities. These elements in the treatment process require an in-depth analysis because they encompass an important area that is fundamental to containing costs. Solids dewatering is important, as it impacts transportation and chemical costs. The process must be optimized with the proper equipment and chemicals to keep operations and maintenance costs at a minimum. The power generation phase of the study will analyze, in detail, the use and production of electric power, rate analysis, and the cost effectiveness of purchasing additional

electric generation capacity.

Requests for Proposals (RFPs) for the Sludge Study were sent out to engineering firms on March 8, 2000. These firms were:

Black & Veatch
Burns & McDonnell
CH2Mhill
Consoer Townsend Envirodyne
Greeley & Hansen
HDR Engineering
Howard R. Green
Olsson Associates

Two proposals were received from CH2Mhill and Black & Veatch, a Limited Liability Partnership.

On April 13, 2000, the Consultant Selection Committee met. The committee was comprised of City staff from the Engineering Department and the WRF. The staff members were: Floyd Bentz (ENG), David Miller (ENG), Warren Riekenberg (ENG), Brian Bennett (WRF), Phil Koundakjian (WRF), and Mike Hall (ENG). The committee unanimously selected Black & Veatch, a Limited Liability Partnership.

RFPs for the Power Generation Study were sent out on March 15, 2000. The following engineering firms received RFPs.

Greeley & Hansen
Howard R. Green
Black & Veatch
Metcalf & Eddy
Olsson Associates
Stanley Consultants

Proposals were received from all of the consultants that were invited except Greeley & Hansen.

On April 20, 2000, a second Consultant Selection Committee met to select the consultant for the Power Generation Study. The committee was comprised of staff from the Engineering Department and the WRF. The staff members were: Floyd Bentz (ENG), Roger Schletzbaum (ENG), Warren Riekenberg (ENG), Jay Bennett (WRF), Phil Koundakjian (WRF), and Mike Hall (ENG). The committee unanimously selected Black & Veatch, a Limited Liability Partnership.

After the consultant selection was made, it was decided to combine the two studies. A single combined study will require less staff time to administer. This study will provide staff with needed information in solids dewatering and power generation for future capital improvements and operations decisions at the WRF.

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