



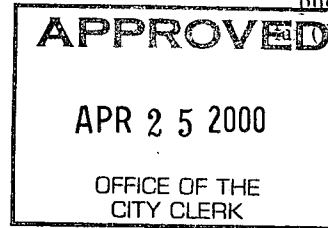
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Department of Utilities
Engineering Services Division

CITY OF SACRAMENTO
CALIFORNIA

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March 30, 2000



AG2000-049

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: AUTHORIZATION TO INCREASE AND AMEND THE 1999/2000 CAPITAL GRANTS PROGRAM AND EXECUTE A MEMORANDUM OF UNDERSTANDING FOR A SANITARY SURVEY UPDATE OF THE SACRAMENTO RIVER WATERSHED AREA AND DRINKING WATER SOURCE ASSESSMENTS FOR THE SACRAMENTO RIVER AND BRYTE BEND WATER TREATMENT PLANTS (PN: ZE31)

LOCATION AND COUNCIL DISTRICT: City-wide

RECOMMENDATION:

Staff recommends that the City Council: 1) approve the attached resolution to increase the 1999/2000 Capital Grants Program for the Sacramento River Watershed Sanitary Survey Update Project, 2) amend the Capital Grants Program to recognize revenue for this project, and 3) adopt a Memorandum of Understanding with the City of West Sacramento for a sanitary survey update of the Sacramento River watershed area and for preparation of Drinking Water Source Assessments for the Sacramento River and Brute Bend Water Treatment Plants.

CONTACT PERSON: Larry Nash, Senior Engineer, 264-1434
Gary Reents, Engineering Services Manager, 264-1433

FOR COUNCIL MEETING OF: April 25, 2000

SUMMARY

The California Surface Water Treatment Rule requires communities such as Sacramento that divert and treat surface waters for domestic water supplies to perform sanitary surveys within their respective watersheds every five years. The purpose of the sanitary surveys is to evaluate the sources of waterborne contaminants and to determine the level of treatment required to assure the supply of safe drinking water. The Federal 1996 Safe Drinking Water Act Amendments require completion of Drinking Water Source Assessments for all water supply sources by 2003. In response to these requirements, this report requests that the City Council approve a resolution that adopts a Memorandum of



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Understanding (MOU) with the City of West Sacramento (West Sacramento) for completing the Sacramento River Sanitary Survey Update and the Drinking Water Source Assessments for an amount not to exceed \$179,421. Under the terms of the MOU, the City of Sacramento's (City) share will be \$112,395, comprised of \$87,713 which is 64% of the shared consultant services based on apportionment by 1998/99 Sacramento River Diversion and \$24,682 for consultant services specific to the City of Sacramento.

COMMITTEE/COMMISSION ACTION

None.

BACKGROUND INFORMATION

The California Code of Regulations, Title 22, Chapter 17 establishes the California Surface Water Treatment Rule (SWTR) which requires that all surface water suppliers conduct a sanitary survey of their watershed(s) at least once every five years. The initial Sacramento River Watershed Sanitary Survey was completed in December 1995 by the City and West Sacramento under an MOU (Resolution No. 94-625).

The main purpose of the sanitary survey requirement is to determine the degree of treatment required to assure to the greatest degree possible that water supplies are free of microbial and other types of contamination. To comply with this requirement and obtain the necessary information to determine required levels of treatment, sanitary surveys must provide a description of the source waters' watershed, identify potential sources of contamination within the watershed, describe watershed management practices, and assess the microbial contaminant load at the point where the raw water is diverted to the treatment plant.

The Federal 1996 Safe Drinking Water Act Amendments requires states to develop comprehensive Source Water Assessment Programs that identify areas that supply public tap water, inventory contaminants and assess water system susceptibility, and inform the public of the results. City and West Sacramento staff recommend conducting the Drinking Water Source Assessments for the Sacramento River Water Treatment Plant and Brute Bend Water Treatment Plant to satisfy state and federal programs.

City and West Sacramento staff believe that the SWTR sanitary survey requirements and the DWSAP Program requirements for the SRWTP and the Brute Bend Water Treatment Plant can best be met through a jointly administered and financed project; a joint effort will provide significant cost savings and efficiencies for staff time. The attached Memorandum of Understanding (MOU) Regarding Conducting a Sanitary Survey Update of the Sacramento River Watershed Area and Drinking Water Source Assessments for the Sacramento River and Brute Bend Water Treatment Plants (see Exhibit A) allows for this joint effort. West Sacramento is considering approval of the MOU on April 19, 2000.

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The key provisions of the MOU are as follows:

- provides for the formation of a Technical Task Force to direct the work of the consultant.
- provides for a cost sharing arrangement wherein there is a shared portion apportioned by fiscal year 1998/1999 water diversions from the Sacramento River by the City and West Sacramento, and a nonshared portion for which West Sacramento will reimburse the City for work that is specific to West Sacramento.
- provides for the City to be the lead agency in administration of the Consultant Services Agreements.

The scope of work for the Sacramento River Watershed Sanitary Survey Update and DWSAPs includes the following tasks:

- identify and evaluate selected watershed contaminant sources.
- describe and evaluate selected watershed management practices.
- evaluate the raw water supply and treatment systems at the SRWTP and the Bryte Bend Water Treatment Plant, and provide recommendations for monitoring program modifications.
- assess the level of treatment required for *Giardia* and virus removal at the SRWTP and the Bryte Bend Water Treatment Plant to meet the requirements of the SWTR and potential future regulations.
- evaluate and rank potential contaminant sources.

The study area for the Sacramento River Watershed Sanitary Survey Update will be the Sacramento River Watershed below the Redding Water Treatment Plant, below Oroville Dam on the Feather River, and below the Fairbairn Water Treatment Plant on the American River. The downstream boundary of the study area is the Sacramento River Water Treatment Plant (SRWTP).

The sanitary survey update and Drinking Water Source Assessments will be prepared by Montgomery Watson, with Archibald and Wallberg Consultants as subconsultant, under an existing Consultant Services Agreement with the City (Resolution No. 99-037). Sharing of costs of scoping this project is included in the MOU; this portion of the work was conducted under an existing Consultant Services Agreement with Archibald and Wallberg Consultants (Agreement No. 99-339).

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ENVIRONMENTAL DETERMINATION

The Environmental Services Division has determined that the Sacramento River Watershed Sanitary Survey Update and Drinking Water Source Assessments are planning studies, which do not require CEQA review.

FINANCIAL CONSIDERATIONS

The estimated cost of this agreement is not to exceed \$179,421. The City's negotiated share is \$112,395 and is funded in the Sacramento River Watershed Sanitary Project (413-500-ZE31-4802). West Sacramento's negotiated share is \$67,027 which will be reimbursed to the City. Staff recommends that the 1999/2000 Capital Grants Program be increased for the Sacramento River Watershed Sanitary Survey (248-500-ZE31-4802) in the amount of \$67,027. Staff also recommends that the 1999/2000 Capital Grants Program be amended to recognize revenue for this project (248-500-ZE31-3599) of \$67,027.

POLICY CONSIDERATIONS

State and federal regulations require preparation of a sanitary survey update of the Sacramento River Watershed area and Drinking Water Source Assessments for the Sacramento River and Brute Bend Water Treatment Plants. Adoption of the proposed MOU provides the opportunity for the City and West Sacramento to work together in a cooperative manner and share the costs of this study, which otherwise would need to be performed by both cities individually.

ESBD CONSIDERATIONS

Archibald and Wallberg Consultants is an emerging business enterprise. Their portion of the project will represent 42% of the consultant services required by the MOU, which exceeds the Department of Utilities' goal of 20% ESBD participation.

Respectfully submitted,



Gary A. Reents
Engineering Services Manager

RECOMMENDATION APPROVED:



Robert P. Thomas
City Manager

APPROVED:



James G. Sequeira
Director of Utilities

RESOLUTION NO. 2000-175

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____



RESOLUTION INCREASING AND AMENDING THE CAPITAL GRANT PROGRAM AND ADOPTING A MEMORANDUM OF UNDERSTANDING REGARDING CONDUCTING A SANITARY SURVEY UPDATE OF THE SACRAMENTO RIVER WATERSHED AREA AND DRINKING WATER SOURCE ASSESSMENTS FOR THE SACRAMENTO RIVER AND BRYTE BEND WATER TREATMENT PLANTS (PN: ZE31)

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

1. The FY99/00 Capital Improvement Program is amended to add \$67,027 to Capital Grants (248-500-ZE31-4802).
2. The FY99/00 Revenue Budget is amended to add \$67,027 to Capital Grants (248-500-ZE31-3599).
3. The Mayor and the City Clerk are hereby authorized to execute a Memorandum of Understanding with the City of West Sacramento for the purpose of sharing costs related to the completion of the Sacramento River Watershed Survey.

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____