



**APPROVED**  
JUL 31 2001  
OFFICE OF THE  
CITY CLERK

1.15

DEPARTMENT  
OF UTILITIES

CITY OF SACRAMENTO  
CALIFORNIA

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ENGINEERING  
SERVICES DIVISION

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July 23, 2001

AG 2001-131  
AG 2001-132

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: CONSTRUCTION MANAGEMENT SUPPORT AND INSPECTION OF INTAKE FISH SCREEN REPLACEMENT PROJECTS (ZF57 AND ZF47); APPROPRIATION OF FUNDS AND APPROVAL OF A CONSULTANT SERVICES AGREEMENTS WITH MWH AMERICAS, INC FOR AN AMOUNT NOT TO EXCEED \$2,580,360 AND CH2M HILL FOR AN AMOUNT NOT TO EXCEED \$2,515,000**

**LOCATION AND COUNCIL DISTRICT**

Citywide: Sacramento River Water Treatment Plant and E A Fairbairn Water Treatment Plant

**RECOMMENDATION**

- \* Appropriate \$14,360,070 to the Sacramento River Water Treatment Plant Replacement Intake and the E A Fairbairn Water Treatment Plant Intake Modification Projects.
- \* Staff recommends that the City Council adopt the attached resolution authorizing the City Manager and City Clerk to execute Consultant Services Agreements with MWH Americas, Inc., for an amount not to exceed \$2,580,360 and CH2M Hill for an amount not to exceed \$2,515,000.

**CONTACT PERSON** Gary A. Reents, Engineering Services Manager, 264-1433  
Gary E Gosse, Supervising Engineer, 264-1426

**FOR COUNCIL MEETING OF** July 31, 2001



CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES

## **SUMMARY**

Staff has negotiated Consultant Services Agreements with MWH Americas, Inc (formerly Montgomery Watson Americas, Inc) and CH2M Hill to perform construction management support and inspection of construction of two intake fish screen replacement projects, namely:

- \* Sacramento River Water Treatment Plant Replacement Intake
- \* E A Fairbairn Water Treatment Plant Intake Modification

Authorization for the City Manager and City Clerk to appropriate funds and execute the Agreements is requested.

## **COMMITTEE / COMMISSION ACTION**

None

## **BACKGROUND INFORMATION**

In 1998, through an open request for qualifications process, the project team of Montgomery Watson (now MWH Americas, Inc) in combination with Carollo Engineers and CH2M Hill was selected for the design of four City water facility expansion projects. In addition, the firm of Montgomery Watson was selected to provide overall project and contract management for the design and construction of the four projects, which are:

- \* Sacramento River Water Treatment Plant Replacement Intake
- \* Sacramento River Water Treatment Plant Expansion
- \* E A Fairbairn Water Treatment Plant Intake Modification
- \* E A Fairbairn Water Treatment Plant Expansion

Construction is underway for the intake fish screen replacement projects, consisting of (1) Sacramento River Water Treatment Plant (WTP) Replacement Intake and (2) E A Fairbairn Water Treatment Plant (WTP) Intake Modification.

The overall project and contract management work performed by Montgomery Watson for the design of the two intake projects is nearly complete (City Agreement No. 99-019). Staff has negotiated the scope of services and fee amount for separate consultant agreements with Montgomery Watson and CH2M Hill for construction management support and construction inspection of both intake fish screen replacement projects.

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## **FINANCIAL CONSIDERATIONS**

The total estimated cost for the Sacramento River WTP Replacement Intake Construction Project and the E A Fairbairn WTP Intake Modification Construction Project is \$54,400,000. A Federal grant of \$7 million has been obtained under the Central Valley Project Improvement Act to assist the City with financing the Project.

An appropriation increase of \$14,360,070 is currently required for the two intake fish screen replacement projects in order to equate the project budgets with the estimated application of proceeds from the 2001 Capital Improvement Revenue Bonds, Series A debt issue as reflected in the official statement of the Sacramento City Financing Authority and authorized by the City Council on April 10, 2001.

The estimated cost of the Consultant Services Agreement with MWH Americas, Inc (formerly Montgomery Watson Americas, Inc) is \$2,580,360 with \$1,102,240 for the Sacramento River WTP Replacement Intake Construction (ZF57) and \$1,478,120 for the E A Fairbairn WTP Intake Modification Construction Project (ZF47). The estimated cost of the Consultant Services Agreement with CH2M Hill for inspection of the Sacramento River WTP Replacement Intake Construction (ZF57) is \$2,515,000.

## **ENVIRONMENTAL CONSIDERATIONS**

An environmental assessment/initial study for the Intake Fish Screen Replacement Project was prepared and circulated for public review consistent with the California Environmental Quality Act and the National Environmental Policy Act. On June 27, 2000, the City Council adopted the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the Intake Fish Screen Replacement Projects at the Sacramento River and E A Fairbairn Water Treatment Plants.

## **POLICY CONSIDERATIONS**

The Intake Fish Screen Replacement Projects will bring the City into compliance with current standards of the California Department of Fish and Game and the National Marine Fisheries Service. The intake projects when finished, will protect juvenile fish within the American and Sacramento Rivers by greatly reducing the chance for the fish to be drawn into the intakes.

## **ESBD CONSIDERATIONS**

In their scope of services MWH Americas, Inc has identified the tasks of architecture, fish survey/protection, control system programming, geotech, ventilation, and materials testing that is to be subcontracted to ESB firms. The identified ESB subconsultant work has a value of \$475,000 (43.1 percent) for the Sacramento River WTP Replacement Intake project and \$462,000 (31.3 percent) for the E A Fairbairn WTP Intake Modification project. In the scope of services of CH2M Hill for construction inspection for the Sacramento River

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WTP Replacement Intake, a value of \$150,000 (6.0 percent) has been subcontracted to an ESB firm. Collectively, the identified ESB subconsultant work of MWH Americas and CH2M Hill has a value of \$1,087,000 and constitutes 21.3 percent of the construction management and inspection work for both intake projects.

Respectfully submitted,



Gary A. Reents  
Engineering Services Manager

RECOMMENDATION APPROVED



Robert P. Thomas  
City Manager

APPROVED

for 

James G. Sequeira  
Director of Utilities

**SRWTP  
Intake Replacement  
(PN: ZF56)**

**EAFWTP  
Intake Modification  
(PN: ZF47)**

FISH SCREEN REPLACEMENT PROJECT  
E.A. FAIRBAIRN AND SACRAMENTO RIVER  
WATER TREATMENT PLANTS

September 2000

**APPROVED**

JUL 31 2001

OFFICE OF THE  
CITY CLERK

**RESOLUTION NO. 2001-534**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

**RESOLUTION AUTHORIZING APPROPRIATION OF FUNDS AND FOR THE CITY MANAGER AND CITY CLERK TO EXECUTE CONSULTANT SERVICES AGREEMENTS BETWEEN THE CITY OF SACRAMENTO AND MWH AMERICAS, INC FOR CONSTRUCTION MANAGEMENT SUPPORT OF TWO INTAKE FISH SCREEN REPLACEMENT PROJECTS (ZF57 AND ZF47) FOR AN AMOUNT NOT TO EXCEED \$2,580,360 AND BETWEEN THE CITY OF SACRAMENTO AND CH2M HILL FOR CONSTRUCTION INSPECTION OF THE SACRAMENTO RIVER WATER TREATMENT PLANT REPLACEMENT INTAKE PROJECT FOR AN AMOUNT NOT TO EXCEED \$2,515,000**

**BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:**

1. The City Manager is hereby authorized to appropriate funds as follows:

| FUND            | AGENCY | ORGN | OBJECT | CURRENT BUDGET       | REVISED BUDGET       | INCREASE (DECREASE)  | ACCT REF |
|-----------------|--------|------|--------|----------------------|----------------------|----------------------|----------|
| 413             | 500    | ZF57 | 4820   | 23,520,000.00        | 34,582,360.00        | 11,062,360.00        | B        |
| 413             | 500    | ZF47 | 4820   | 9,520,000.00         | 12,817,710.00        | 3,297,710.00         | B        |
| <b>EB TOTAL</b> |        |      |        | <b>33,040,000.00</b> | <b>47,400,070.00</b> | <b>14,360,070.00</b> |          |

2. The City Manager and City Clerk are hereby authorized to sign and execute a Consultant Services Agreement with MWH Americas, Inc for an amount not to exceed \$2,580,360 for Construction Management Support during construction of the following Intake Fish Screen Replacement Projects:

- \* Sacramento River Water Treatment Plant Replacement Intake Construction Project (ZF57) - \$1,102,240
- \* E A Fairbairn Water Treatment Plant Intake Modification Construction Project (ZF47) - \$1,478,120

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RESOLUTION NO.: \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_

3. The City Manager and City Clerk are hereby authorized to sign and execute a Consultant Services Agreement with CH2M Hill for an amount not to exceed \$2,515,000 for inspection of the Sacramento River Water Treatment Plant Replacement Intake Construction Project (ZF57)

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

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DATE ADOPTED: \_\_\_\_\_