



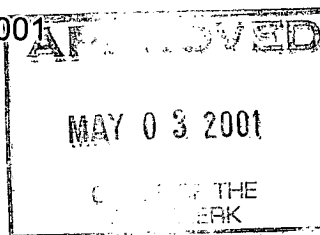
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DEPARTMENT OF  
UTILITIES  
ENGINEERING SERVICES

CITY OF SACRAMENTO  
CALIFORNIA

1395 - 35TH AVENUE  
SACRAMENTO, CA  
95822-2911

April 19, 2001



PH 916-264-1400  
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City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: OVERALL PROJECT AND CONTRACT MANAGEMENT OF CITY WATER FACILITIES EXPANSION PROJECTS (ZF56, ZF51, ZF46, AND ZF41) - APPROVAL OF SUPPLEMENTAL AGREEMENT NO.1 WITH MONTGOMERY WATSON AMERICAS, INC. FOR AN AMOUNT NOT-TO-EXCEED \$187,308**

**LOCATION AND COUNCIL DISTRICT:** City Wide

**STAFF RECOMMENDATION:**

Staff recommends the City Council approve Supplemental Agreement No. 1 (City Manager Agreement No. 99-019) with Montgomery Watson Americas, Inc. for an amount not to exceed \$187,308.

**CONTACT PERSONS:**

Gary A Reents, Engineering Services Manager (264-1433)  
Gary E Gosse, Supervising Engineer (264-1426)

**FOR CITY COUNCIL MEETING OF:** May 3, 2001

**SUMMARY:**

On September 26, 2000, City Council approved a Consultant Services Agreement with Montgomery Watson in the amount of \$1,546,017. The scope of services of the consultant agreement was to perform overall project and contract management of four City water facility projects, namely:

- \* Replacement Intake for Sacramento River Water Treatment Plant (ZF56)
- \* Expansion of Sacramento River Water Treatment Plant (ZF51)

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- \* Modification of E A Fairbairn Water Treatment Intake (ZF46)
- \* Expansion of E A Fairbairn Water Treatment (ZF41)

Authorization for the City Manager and City Clerk to execute Supplemental Agreement No. 1 to the original consultant agreement for an amount not to exceed \$187,308 is requested.

**COMMITTEE/COMMISSION ACTION:** None

**BACKGROUND:**

In 1998, through an open request for qualifications process, the project team of Montgomery Watson in combination with Carollo Engineers and CH2M Hill was selected for the design of the 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 of the four projects.

The oversight and management of design for three of the four water facility expansion projects required extra effort and additional expense by Montgomery Watson and their subconsultants. The additional cost was not and could not have been fully anticipated at the inception of the overall project management work.

The three projects and the major additional work each required are:

- \* Sacramento River WTP Replacement Intake Project (ZF56)
  - Feasibility investigation of a restaurant on the new intake option included extra work by Montgomery Watson and their subconsultant, Lionakis Beaumont Design Group for preparation of floor plans, partial elevations sections, architectural renderings, and cost estimates.
  - Preparation of a second set of architectural renderings by Montgomery Watson and subconsultant, Lionakis Beaumont, for project presentation to the City's Design Review and Preservation Board.
  - Preparation of a tree removal and revegetation plan and contract documents to allow for the removal of 12 trees at the intake site in advance of project construction involved considerable permitting and coordination work by Montgomery Watson and their subconsultant, Surface Water Resources, Inc.
  - Development of a PowerPoint presentation and handouts by Montgomery Watson for bond rating presentations and project site visits to representatives from Standard and Poors and from Moody's.
  - Procurement of an encroachment permit from the State Reclamation Board required extensive engineering analysis and coordination with Reclamation Board permitting staff by Montgomery Watson.

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- \* Sacramento River WTP Expansion Project (ZF51)
  - Preparation by Montgomery Watson of architectural renderings and colored drawings showing building elevation views for project presentation to City Design Review and Preservation Board.
  - Montgomery Watson staff performed engineering analysis and technical research on (1) reroofing of 9.5 million gallon reservoir, (2) replacement of old onsite riveted steel water transmission mains, and (3) design of a new sewer line leading out the east entrance of the plant to Richards Boulevard.
  - Surface Water Resources, Inc worked as subconsultant to Montgomery Watson to finish additional hydrologic river modeling needed to complete the Final Environmental Impact Report for the Water Facilities Expansion Project.
  - Coordinated elderberry bush surveys and provided bush location mapping on the Sacramento River WTP site for consultation with U S Fish and Wildlife Service.
  
- \* E A Fairbairn Water Treatment Plant Intake Modification Project (ZF46)
  - Developed design drawings and coordinated with staff of Corps of Engineers and the City staff for fabrication and installation of steel pipe "grout tubes" through access bridge transition structure to facilitate future jet grouting by the Corps of Engineers within the American River levee at the water intake access bridge.

Montgomery Watson anticipates additional project and contract management work is needed to complete related project design work. Tasks remaining for the four water facility expansion projects include:

- \* Sacramento River WTP Replacement Intake Project (ZF56)
  - Continue permitting coordination with the State Reclamation Board and the American River Flood Control District on bridge abutment support piles, temporary trestle design, and sheetpile cofferdam design.
  - Continue coordination with U S Fish and Wildlife Service, National Marine Fisheries Service, and California Department of Fish and Game on project construction constraints.
  - Continue public outreach program during project construction.
  
- \* Sacramento River WTP Expansion Project (ZF51)
  - Readvertise prequalification request for general contractors.
  - Finalize general conditions and requirements division of the contract specifications.

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- Prepare for final presentation with City Design Review and Preservation Board on Filter Building, Chemical Building, and Operations Building architecture.
  - Continue coordination with U S Fish and Wildlife Service for removal and mitigation of existing elderberry bushes.
  - Obtain final tree removal permit.
  - Obtain stormwater management permit for construction contractor.
- \* E A Fairbairn WTP Intake Modification Project (ZF46)
- Continue permitting coordination with the State Reclamation Board and the American River Flood Control District on temporary trestle design and sheetpile cofferdam design.
  - Continue coordination with U S Fish and Wildlife Service, National Marine Fisheries Service, and California Department of Fish and Game on project construction constraints.
  - Continue public outreach program during project construction.
- \* E A Fairbairn WTP Expansion Project (ZF46)
- Readvertise prequalification request for general contractors.
  - Finalize the general conditions and requirements division of the contract specifications.
  - Obtain State Reclamation Board encroachment permit for construction of raw water pipes in the American River levee.
  - Obtain stormwater management permit for construction contractor.

**FINANCIAL CONSIDERATIONS:**

The estimated cost of Supplemental Agreement No. 1 with Montgomery Watson is \$187,308. There are sufficient funds in the four water supply expansion projects to administer this Supplemental Agreement No. 1.

**ENVIRONMENTAL CONSIDERATIONS:**

For the Intake Fish Screen Replacement Projects an environmental assessment in the form of a mitigated negative declaration was prepared 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 Fairbairn WTPs.

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For the Water Facilities Expansion Projects a draft environmental impact report was prepared and circulated consistent with the California Environmental Quality Act. On November 28, 2000 the City Council adopted the Final Environmental Impact Report, Findings of Fact, and Mitigation Monitoring and Reporting Plan for treatment plant expansion projects at the Sacramento River and E A Fairbairn WTPs.

**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. This will provide protection to juvenile fish within the American and Sacramento Rivers.

The Water Facilities Expansion Projects are key components in upgrading the City's water production facilities and implements applicable provisions of the City's agreement with the Sacramento Area Water Forum.

**ESBD CONSIDERATIONS:**

In their scope of services for the original consultant agreement (CMA No. 99-019), Montgomery Watson had identified the tasks of public relations, sanitary survey, fishery resources, surveying, and permitting that could be subcontracted. The identified subconsultant work has a value of \$330,000 and constituted approximately 21.3 percent of the original project and contact management work. A description of Montgomery Watson use of City certified ESBD subconsultants is covered in a copy of the January 5, 1999 letter attached to the City Council staff report for approval of the original consultant agreement included herein (Attachment 1).

Respectfully submitted,



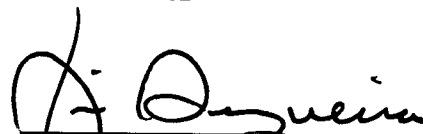
Gary A. Reents  
Engineering Services Manager

RECOMMENDATION APPROVED



Robert P. Thomas  
City Manager

APPROVED



Jim Sequeira  
Director of Utilities

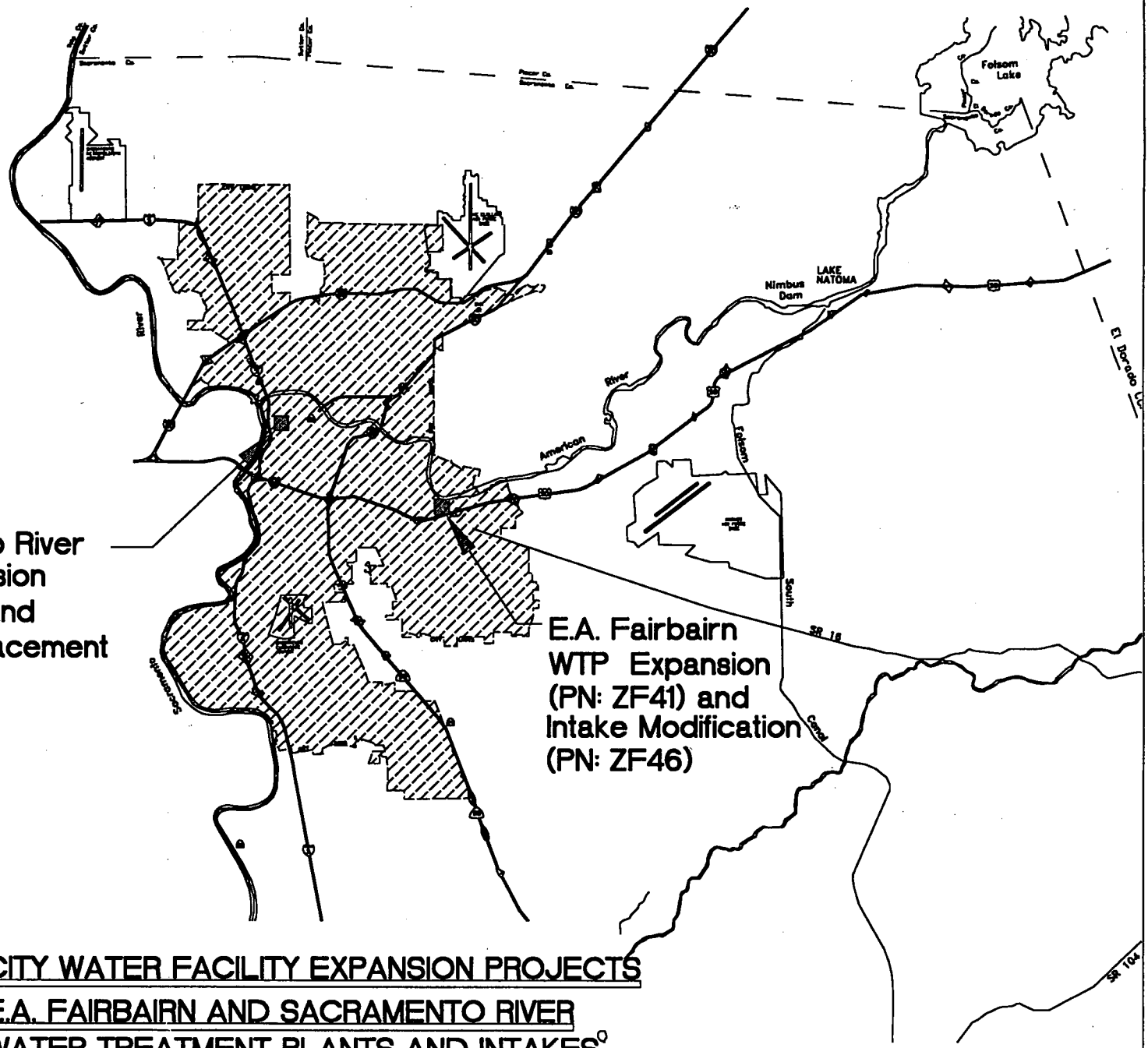


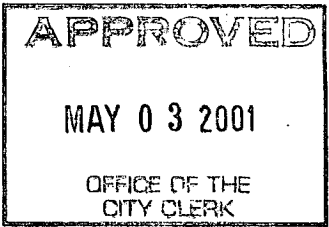
**Sacramento River  
WTP Expansion  
(PN: ZF51) and  
Intake Replacement  
(PN: ZF56)**

**E.A. Fairbairn  
WTP Expansion  
(PN: ZF41) and  
Intake Modification  
(PN: ZF46)**

**CITY WATER FACILITY EXPANSION PROJECTS**  
**E.A. FAIRBAIRN AND SACRAMENTO RIVER**  
**WATER TREATMENT PLANTS AND INTAKES**

December 1998





**RESOLUTION NO. 2001-255**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

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

**RESOLUTION AUTHORIZING THE CITY MANAGER AND CITY CLERK TO EXECUTE SUPPLEMENTAL AGREEMENT NO. 1 WITH MONTGOMERY WATSON AMERICAS, INC. FOR OVERALL PROJECT AND CONTRACT MANAGEMENT WORK FOR THE WATER FACILITY EXPANSION PROJECTS FOR AN AMOUNT NOT TO EXCEED \$187,308**

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

- 1. The City Manager and City Clerk are hereby authorized to sign and execute Supplemental Agreement No. 1 with Montgomery Watson Americas, Inc. for project management and contract management for Water Facility Expansion Projects.

\_\_\_\_\_  
MAYOR

ATTEST:

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

**FOR CITY CLERK USE ONLY**

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

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