



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

APPROVED  
By the Board of Directors of  
The Metropolitan Water District  
of Southern California  
at its meeting held

41838

APR - 9 1996

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*Dwan Chin*  
for EXECUTIVE SECRETARY March 19, 1996

**To:** Board of Directors (Engineering and Operations Committee Action)

**From:** General Manager

**Submitted by:** Gary M. Snyder  
Chief Engineer

*[Signature]*  
*[Signature]*

**Subject:** Request to Authorize the General Manager to Enter into a Contract with Intergraph Corporation for Computer-Aided-Drafting/Computer-Aided-Engineering (CAD/CAE) System Maintenance Services

**RECOMMENDATION**

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It is recommended that the General Manager be authorized to enter into a computer equipment maintenance contract with Intergraph Corporation for a period of three years, renewable at the start of each fiscal year, in form approved by the General Counsel. The total estimated annual maintenance cost for all services provided under the contract for Fiscal Year 1996/97 is \$475,000.

**DETAILED REPORT**

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In January 1990, your Board authorized the General Manager to purchase a Computer-Aided-Drafting/Computer-Aided-Engineering (CAD/CAE) system from Intergraph Corporation consisting of computer software and hardware.

Intergraph hardware and software is currently being used in Engineering, Operations, and Environmental Compliance Divisions. Within the Engineering Division, the Intergraph products are used primarily for the design of Capital Improvement Projects. All drawings for new Capital Projects are prepared with the CAD/CAE system, and significant cost savings are realized as a result of using that system. The CAD/CAE system allows designers and engineers to make revisions to existing or in-progress drawings in less time than it would take using a manual system. The system allows engineers to visualize construction projects and to catch errors well before construction begins, therefore minimizing change requests during construction. It enhances the communication process among project personnel. Also, it makes the process of retrieving drawings much faster and prevents the deterioration of the data over a long period of time.

In September 1993, your Board authorized the General Manager to enter into a contract with Intergraph Corporation to purchase annual maintenance for a period of three years, renewable at the start of each fiscal year, in form approved by the General Counsel. The current contract expires at the end of Fiscal Year 1995/96.

It is proposed to enter into a new contract with Intergraph Corporation for continuing the maintenance services for the next three years, renewable at the start of each fiscal year. The total estimated annual maintenance cost of \$475,000 for all Intergraph products maintained under the contract will be included in the budget for Fiscal Year 1996/97. Funds for Fiscal Years 1997/98 and 1998/99 will be included in annual budgets for those years.

Since comprehensive service for the Intergraph CAD/CAE system is generally not available from vendors other than Intergraph and its subsidiaries, and Metropolitan receives substantial discounts from Intergraph Corporation due to its previous contracts, this contract is exempt from competitive bidding under Administrative Code Sections 8103(d) and 8103(e).

Intergraph Corporation is an equal opportunity employer and a copy of its current Affirmative Action Plan is on file with Metropolitan.

The action is exempt from the provisions of the California Environmental Quality Act because it can be seen with certainty that there is no possibility that the proposed action could have a significant effect on the environment.

#### **ALTERNATIVES TO PROPOSED ACTION**

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The alternative would be not to renew the CAD/CAE system contract. However, this is a more expensive alternative because when equipment breaks down, Metropolitan would have to pay an hourly fee at a much higher rate for the equipment to be fixed. This would result in significant down time to equipment such as workstations, plotters and servers and would cause major delays to project schedules. It would also eliminate technical support and critical upgrades for all software which would make the design process inefficient and would impact both the quality of the drawings and project schedules .