

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

March 1, 1993

To: Board of Directors (Engineering and Operations Committee--Information)
From: General Manager
Subject: Implementation of Integrated Computerized Maintenance Management System

Report

The Operations Division is in the process of developing and implementing an Integrated, Computerized Maintenance Management System (ICMMS). When fully implemented, the system will cover all Operations Division equipment in its facilities and distribution system. Full implementation of this system will modernize Metropolitan's maintenance management organization, decrease equipment downtime and provide opportunities for productivity increases.

For example, it is expected that the development and use of standard maintenance procedures and preventive maintenance schedules will ensure equipment reliability and reduce the inventory of parts and tools. The integration of all maintenance work, preventive, corrective, as well as system shut-downs for repairs, will provide coordination of labor, materials and task to minimize system downtime.

The development and implementation of the ICMMS has been a team effort. At each facility, teams of craftspersons and supervisors oversee the development to ensure that all equipment is properly identified, maintenance tasks are properly defined, task frequencies are correctly determined, labor hours estimated, and recordkeeping needs are met.

The project is being done in phases. So far, about 30,000 equipment components at the treatment plants and pumping plants are in the maintenance management system. The system is being used on a daily basis to schedule, monitor and report on work at these facilities. Later phases of the program will involve the aqueduct, distribution system and hydroelectric plants. The system is scheduled to be completed by 1995.

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Of particular immediate concern is the maintenance system involving the vehicle fleet and mobile equipment. The current system, FleetTracker, is overburdened and will be replaced as soon as possible.

The full implementation of the ICMMS will provide the District with potential cost savings from reduced lost opportunities, reduced inventories and increased efficiencies of the over 700 staff involved in maintenance activities.

Board Committee Assignments

This letter is an information item to the Engineering and Operations Committee because of its authority with regard to facilities for the production, exchange, sale, storage, and treatment of water, pursuant to Administrative Code, Section 2431(c).

Recommendation

For information only.


for Carl Boronkay

SKW:jp