

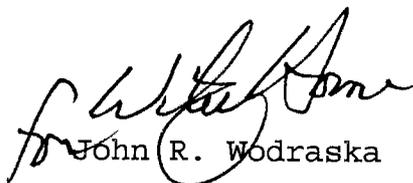
**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

January 31, 1994

To: Board of Directors*From:* General Manager*Subject:* General Manager's Report for January 1994

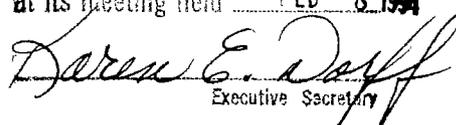
Transmitted as an attachment is the General Manager's Monthly Report for January 1994. This report is intended to convey information on timely matters from the thirteen divisions within the Office of the General Manager. Matters which have been the subject of recent Board action are not necessarily included, nor are the routine or ongoing operations of work in progress.


John R. Wodraska

NM/j

Attachment

FILED by order
of the Board of Directors of
The Metropolitan Water District
of Southern California
at its meeting held FEB 8 1994


Executive Secretary

ACTIVITIES OF THE GENERAL MANAGER AND HIS ASSISTANTS FOR DECEMBER 1993			
Metropolitan Attendees	Date	Agency/Organization	Purpose/Topic
Richard Balcerzak	12/10	Metropolitan Water District of Orange County (MWDOC)	Allen McCulloch Pipeline
Duane Georgeson	12/15	Steve Walker	Bay/Delta conflict resolution
John Wodraska Duane Georgeson	12/15	Department of Water Resources (OWR)	1994 State Water Project allocation
Duane Georgeson	12/17	Member Agency Mgr's Meeting	Meeting participant
John Wodraska	12/21	Nelson Rising, John Foley	Blue Ribbon Task Force Study
Duane Georgeson	12/21	Urban Water Contractors	1994 State Water Project allocation
John Wodraska	12/22	Director Brandt	MWD water issues
Richard Balcerzak Richard Atwater	12/22	Central and West Basin Water District	Water rate structure
Duane Georgeson	12/23	California Secretary of Resources and Representatives of Colorado River Board of California	Colorado River issues
Duane Georgeson	12/23	DWR Director and Deputy Director and State Water Contractors Board of Directors	1994 State Water Project allocation
Richard Balcerzak	12/28	DWR and East Bay MUD	Sacramento trip re: Peer Review Committee work
Richard Balcerzak	1/3	MWDOC	Allen McCulloch Pipeline negotiations
John Wodraska and staff	1/5	Blue Ribbon Task Force	Review of final report
John Wodraska Jay Malinowski	1/6	Urban Water Institute	Agricultural and urban water issues
John Wodraska Duane Georgeson	1/6	Calleguas Municipal Water District and City of Pasadena Water and Power Department	Groundwater Conjunctive-Use Program
John Wodraska	1/6	Water Replenishment District's Board	Guest speaker

ACTIVITIES OF THE GENERAL MANAGER AND HIS ASSISTANTS FOR DECEMBER 1993			
Metropolitan Attendees	Date	Agency/Organization	Purpose/Topic
Richard Balcerzak	1/6-7	U. S. National Committee on Tunneling Technology	Update on organizational changes and review of current and future activities
John Wodraska Duane Georgeson Ed Means	1/7	Representatives of Central and West Basin Municipal Water Districts	USBR funding of San Gabriel Conjunctive-Use Program
Duane Georgeson	1/12	KABC (Channel 7) and KCAL (Channel 9) Television	Interview re: water supply for 1994
N. Gregory Taylor Duane Georgeson	1/12	Urban Water Contractors Legal Counsel	1994 SWP allocation issue
F. Wiley Horne	1/13	E. W. Moon, Inc.	Minority Affairs
John Wodraska	1/14	Water Management Seminar	Guest speaker
Duane Georgeson F. Wiley Horne	1/14	Member Agency Mgr's Meeting	Guest speaker Participant
John Wodraska Duane Georgeson N. Gregory Taylor	1/19	Urban Water Contractors	Sacramento re: 1994 SWP allocation issue
John Wodraska Duane Georgeson N. Gregory Taylor	1/19	DWR Director and State Water Contractors	SWP entitlement water allocations

EQUAL EMPLOYMENT OPPORTUNITY OFFICE	
Issue/Project	Activity During the Reporting Period
Re-Organization	The Equal Employment Opportunity (EEO) Office will now report to the Executive Assistant to the General Manager, Liz Rojas. The Business Outreach Program for minority and women-owned businesses will also report to the Executive Assistant. Together, these programs will form the Office of Diversity.

EQUAL EMPLOYMENT OPPORTUNITY OFFICE	
Issue/Project	Activity During the Reporting Period
Americans with Disabilities Act (ADA)	The transition plan for the Americans with Disabilities Act has been completed by La Canada Design Group (consultant). The transition plan identifies the architectural barriers that exist, or may exist, within the District's facilities. Structural changes necessary to comply with requirements for disability access to District facilities must be completed by January 26, 1995. EEO staff will work with the Operations Division to facilitate this process.
Affirmative Action Statistical Analysis	The contract with Psychological Services Incorporated (PSI) has been amended to allow the completion of the labor market and utilization statistical analyses.
In-Service Training	EEO staff held a half-day of in-service training on the Americans with Disabilities Act and other EEO related issues.
NAACP Job Fair	On Monday, January 17, EEO staff and members of the Personnel Division represented the Metropolitan Water District at the National Association for the Advancement of Colored People (NAACP) sponsored job fair, held at the Los Angeles Airport Marriott Hotel.

FINANCE ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
1994-95 Water Rates	The General Manager has recommended the water rates for the 1994-95 fiscal year. A public hearing is set for February 7, 1994 where members of the public may express their views regarding the General Manager's recommendation. The water rates for 1994-95 are consistent with the two year rate and charges program that resulted from the Financial Structure Study.
1994-95 Annual Budget	Meetings with divisional budget coordinators have been held to clarify how the strategic plan is to be incorporated into the budget and provide guidance on developing three year budget estimates.
Water Standby Charges	The charge will again consist of two elements, a \$5 charge per acre, or per parcel if less than an acre, and a variable charge that is determined by member agency based on historical water deliveries. The maximum standby charge cannot exceed \$15. Staff estimates that the standby charge will produce revenues of approximately \$50 million during 1994-95.

FINANCE ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Forward Interest Rate Commitment	AIG Financial Products was selected as swap counterparty through the RFP process. Metropolitan is now able to lock in a low fixed interest rate for 1996 and thereafter until the 1986 Refunding Bonds mature. Projected savings based on current market conditions range from \$13 to \$18 million.
Phase 1 Automation	Oracle Consulting has been selected to perform implementation consulting for Oracle Financials, and to provide consulting services for Chart of Account design. Contract negotiations are in progress. Chart of Account activity is expected to commence at the end of January.
Accounts Payable in December	Overall average payment from invoice date: 24 days Average payment for utilities : 33 days Expense Claims: 10 days
Annual Financial Report	The final report for fiscal year 1992-93 was completed and copies were distributed to the Board, member agencies, staff, the financial community, investors, and other interested parties. The 1991-92 report received two awards for communication excellence from the Los Angeles chapter of the International Association of Business Communicators.
Water Standby Charge Exemptions for 1993-94	To date, 443 requests for exemptions have been denied, 542 agreements have been sent out, 183 agreements signed, and approximately 1,150 requests are currently being processed.

INFORMATION SYSTEMS ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
ISSP Phase One	RFPs for Material Management and Support Services have been received and are currently being reviewed.
Jensen CBX (Telephone System) Upgrade	The Jensen facility CBX reconfiguration was completed. The upgrade allows for additional capacity due to projected plant expansion, and brings the District into compliance with the federal North American Numbering Plan, which allows "0" and "1" as middle digits in prefixes. Telecommunications staff also met with ROLM representatives to begin the reconfiguration process for the Gene, Eagle, Iron and Hinds voice communications systems.
Long Distance Carrier	After reviewing several bids for the new contract, MCI has been selected as the carrier of choice.

INFORMATION SYSTEMS ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Etiwanda Facility	The Etiwanda Control facility was expanded to include two residences and additional office space. To serve the facility, a communications system was installed to provide station features and multiple appearances of one business line and two off-premise stations from Weymouth.
Lake Skinner Paging System	A contract has been awarded for installation of a paging system at Lake Skinner. The system provides the ability to give emergency notification and/or evacuation instructions to all employees, within minutes. Work has commenced and is scheduled for completion in September.
Microwave System	Annual maintenance on the District's microwave system was completed and all sites were found to be within the standards prescribed by the Federal Communications Commission (FCC).
Public Affairs Label Processing	An enhancement to the Public Affairs Label Processing System will provide greater flexibility and remote printing capabilities. Additional benefits include reduced time for receiving labels; the mailroom can order labels directly; reduced work load in the Computer Operations Center and Text Processing Center; and a decrease in mailing costs.

OPERATIONS ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Water Supply and Delivery: Colorado River Water (CRW)	December: CRW pumped was 110,474 AF, an eight-pump average flow. Electrical energy used during December 1993 was 219,974,478 kWh. January: projected pumping is 110,000 AF. Projected energy use is 219 million kWh.
Water Supply and Delivery: State Project Water (SPW)	SPW delivered during December 1993 was 42,000 AF. Projected delivery for January 1994 is 44,000 AF. Department of Water Resources (DWR) share of San Luis Reservoir storage on January 10, 1994 was 100 percent of capacity, or 1,062,000 AF.
Local Project Program: Reclaimed Water Delivery	Total reclaimed water delivered for December 1993 was 1,087 AF. Total reclaimed water delivered for December 1992 was 800 AF.

OPERATIONS ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Water Sales	Total water sales for December 1993 were 130,223 AF. Total water sales for December 1992 were 166,110 AF. December sales record (1990) is 238,427.
Hydroelectric Operations/Sales	Hydroelectric generation for December 1993 ranged from 20 to 27 megawatts. Power production for December 1993 was 17,794,000 kWh. Gross revenues for December 1993 were \$750,515. Projected power production for January 1994 is 18 million kWh. Projected revenues for January 1994 are \$800,000.
System Operations	Staff recently presented a paper at the American Water Work Association Residuals Management Conference on marketing the Henry J. Mills Filtration Plant sludge. Subsequently, the District saved approximately \$40,000 by marketing 1,600 tons of sludge to a soil amendment company, in lieu of hauling the sludge to a landfill.
Shutdowns	The Orange County Feeder was shut down for 24 hours on January 7, 1994, from the F. E. Weymouth Filtration Plant to the Orange County Reservoir. This shutdown enabled District staff to repair leaky joints.
Construction and Maintenance	As part of the implementation of the Maintenance Management System, Phase V, the Automatic Fuel Dispensing System (AFDS) was completed and put into operation. The system transfers data daily from the AFDS to the Fleet Equipment Maintenance System. The data is used for scheduling preventive maintenance work, tracking fuel usage, and Cost Accounting reports. The Districts' Hydroelectric Group inspected, serviced, and/or made repairs at the Etiwanda, San Dimas, Corona, Yorba Linda, and Red Mountain Power Plants. A Federal Energy Regulatory Commission inspector visited the Lake Mathews, Temescal, Corona, Yorba Linda, San Dimas, and Foothill Power Plants. All plants were certified as being in above-average condition.

WATER STORAGE INFORMATION FOR MWD & SWP					
Reservoir	December 1 Storage (AF)	December 1 Storage % Of Capacity	Projected Storage By December 31 (AF)	Projected Storage By January 31 (AF)	Reservoir Capacity (AF)
MWD Terminal Reservoirs:					
Lake Mathews	124,700	69 %	130,000	151,000	182,000
Lake Skinner	34,000	77 %	36,000	36,000	44,000
SWP Southern California Reservoirs:					
Pyramid Lake	156,100	94 %	153,000	154,000	166,000
Lake Castaic	184,700	61 %	200,000	225,000	305,000
Silverwood Lake	68,000	97 %	50,000	55,000	70,000
Lake Perris	116,900	94 %	116,000	117,000	124,000

PERSONNEL ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Daily Activity Statistics	<p>Medical Evaluations:</p> <p>First Responders-27, Respirator Wearers-26, Commercial Drivers-18, Van Pool Drivers-5, Pre-placement-22, Job Transfers-6, Return-to-work-15, Executive Wellness Reimbursement-2, Executive Medical Examinations-11, Walk-Ins-56, Special Medical Evaluations-2,</p> <p>Total Services: 190</p>
Professional Development	Nurse Practitioners attended professional seminars required for re-licensure.
Regular Positions filled during December (from period 11/21/93 to 12/18/93)	<p>Executive Offices 1</p> <p>Engineering 4</p> <p>Environmental Compliance 2</p> <p>Operations 5</p> <p>State Water Project & Conservation 1</p>

PERSONNEL ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Phase One	Completed the HR Systems Implementation Vendor RFP evaluation. The contract will be awarded to Sierra Systems.
Medical Tracking System	Staff has completed the development and installation of the new medical appointment and periodic evaluation tracking system.
"Change of Rate and/or Status"	Merits---127 Promotions---18 Evaluations---144 Transfers---3 Reorganization---12

PLANNING ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Integrated Resources Planning (IRP)	Based on meetings with the member agency managers, two new resource mixes are being examined: (1) a revised Bond Statement mix which includes an intermediate solution to the Delta fix (south of Delta improvements and an acoustic fish barrier); and (2) a revised maximum local with full CRA mix, which relies on improved State Water Project/water transfer supplies and reduces the need for regional ocean desalination.
DWR Bulletin 160-93	The Department of Water Resources (DWR) released draft Bulletin 160-93 for public review on December 1. The State Water Commission will be conducting 10 public hearings in January and February 1994. The first hearing is scheduled for January 6, 1994 in Santa Ana. Staff prepared an initial analysis on the draft Bulletin to assist member agencies to comment and testify at the January 6 hearing.
Diemer Land Acquisition	Staff and Shell Western E&P held a joint meeting with Fish and Game and State Parks to discuss agency obligations pursuant to the Habitat Conservation Plan (HCP). A draft of the HCP for the mitigation of sensitive habitat at the Diemer plant and Shell's proposed development was submitted for agency review.
West Valley Project Study	Staff gave an oral presentation to the Northern Caucus.
All American Canal Lining Project	Staff incorporated comments from various agencies and prepared a second iteration of the Mitigation Agreement for this project.

PLANNING ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Colorado River Critical Habitat Designation	Staff attended an Upper Division States meeting to discuss responses to the proposed Critical Habitat Designation for the four endangered Colorado River fish species.
South Riverside/San Diego County Area Study-San Diego Pipeline No. 6	Preliminary meetings were held with affected property owners of Mt. Olympus portal sites. Staff has scheduled presentations on IRP progress with the San Diego County Water Authority for this joint project.
Desalination System Integration Study	<p>Staff is developing alternatives for each of 13 potential desalination plant locations in conjunction with existing electric generating stations. The alternatives are being developed in coordination with affected member agencies and local water purveyors in the coastal communities near these generating stations. A minimum of two alternatives have been developed for each alternative site for this study. Additional alternatives may be required depending on consultation with member agencies affected by potential facilities construction.</p> <p>Staff met with seven member agencies to coordinate water production at the identified coastal sites with local and regional distribution system tie in points. Preliminary alternatives were discussed with the member agencies and details of coastal distribution systems were analyzed.</p>
Domenigoni Valley Reservoir	<p>Data recovery for a significant prehistoric village site in one of the hard rock borrow areas (Borrow Area 5) was completed, with significance testing also completed at a major village site in the reservoir inundation zone. Metropolitan's cultural resources consultant began comprehensive archaeological surveys (prehistoric and historic) in the Shipley Reserve and portions of the Lake Skinner Reserve area.</p> <p>Native American involvement in the project continued, with a Metropolitan-sponsored tour of a major prehistoric site for members of the Soboba and Pechanga reservations.</p> <p>The Research Committee of the Reserve Management Committee (RMC) met to discuss potential research and restoration opportunities for the Reserve following the October fire. As part of this comprehensive study plan, the committee is establishing criteria for GIS basemapping of the biological resources of the Reserve.</p>
Distribution System and Supply Modeling	Model runs have been made to evaluate various resource-mix scenarios (i.e., different quantities of imported and local supplies) from the stand point of the distribution system's capacity in storing the incoming water and conveying the required amounts to meet demands and implement the proposed conjunctive-use program.

PLANNING ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Endangered Species Activities CEQA Documents	<u>Flat-tailed Horned Lizard</u> : The Service has proposed a rule to list the lizard, which occurs in the Western Sonora Desert in Coachella Valley and the Imperial Valley. Staff is reviewing this proposed rule for potential conflicts with Metropolitan projects, facilities, and operations.
Skinner Filtration Plant Ozone Retrofit	The consultant is working on including three sedimentation basins to the Negative Declaration.
South Riverside/San Diego County Area Study-San Diego Pipeline No. 6	Preliminary meetings were held with affected property owners of Mt. Olympus portal sites. Staff has scheduled presentations on IRP progress with the San Diego County Water Authority for this joint project.

PUBLIC AFFAIRS ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Media	The discovery of Ice Age fossils during excavation work at the Domenigoni Valley reservoir site caused widespread interest from the media. To date, reports have aired on KCBS (Channel 2) and KCOP (Channel 13) and on radio stations KPFK and KFI.
Government Relations	In order to promote the Business Outreach program, staff assisted State Assemblywoman Grace Napolitano with a one-day certification workshop. Invitations to attend this workshop were sent to 2,000 minority- and women-owned businesses. Staff worked closely with the San Diego County Water Authority to organize a Community Leaders Forum on water reclamation for U.S. Congressman Bob Filner (D-Chula Vista). More than 200 participants, including city council members, planning commissioners, and business and local opinion leaders were included among the participants.
Community Relations	Ninety children from local Native American reservations attended an archaeological field trip to Domenigoni Valley reservoir.
Education Programs	Staff met with representatives of Riverside Regional Park and Open Space District to discuss co-sponsorship of a Santa Rosa Plateau environmental education experience for third-grade students in the Menifee, Temecula and Murrietta Valley Unified School Districts. Planning for a pilot program has begun and classes will participate in March, April and May of the 1994 school year.

RESOURCES ACTIVITIES/PROJECTS IN PROGRESS	
Program or Project	Activity During the Reporting Period
Water Conservation Agreement With Imperial Irrigation District	During December 1993, three miles of lateral canals were concrete lined under the Water Conservation Agreement with Imperial Irrigation District (Imperial). In addition, a tailwater recovery system was completed and a non-leak gate was installed. On January 11, Imperial issued an 1994 initial funding call of approximately \$2.9 million for capital and annual costs associated with ongoing projects of the Water Conservation Program.
All American Canal Lining Project	By letter of December 7, 1993, Coachella Valley Water District (Coachella) requested a commitment that Metropolitan repay nearly \$38 million of the cost spent to replace the first 49 miles of the unlined Coachella Canal in 1980. Coachella requested this commitment as part of the consideration for entering into the proposed "Agreement Relating to the Construction of a Concrete-Lined Canal Parallel to the Existing All American Canal." Coachella was informed in a January 5, 1994 letter that Metropolitan will not make such payment. It was not the intent of the parties that drafted and concurred with the final language of Public Law 100-675 to infer inclusion of this debt obligation and a literal reading of the statute could not be so interpreted.
Coachella Canal Lining Project	By lining 33 miles of the canal, Reclamation estimates that seepage would be reduced by 30,860 acre-feet per year. According to the Draft EIS/EIR, the construction cost is estimated to be \$55.6 million (1991 dollars), including the cost of mitigation.
Test Land Following Program with Palo Verde Irrigation District	A progress report on the first year of the Palo Verde Test Land Following Program was completed and distributed to the members of the Measurement Committee (Reclamation, Palo Verde, Metropolitan, Imperial and Coachella) on December 29, 1993. The report contains details of events, data, and accomplishments during the first year of the Program.
Designation of Critical Habitat for Colorado River Endangered Species	Comments on behalf of 12 California entities were submitted to the Service on January 10, 1994 by the Secretary of the Six Agency Committee. The comments discussed problems in the economic analysis that include the data and assumptions used, the modelling conducted, and the resultant conclusions. Metropolitan also submitted a letter to the Service regarding the proposed critical habitat designation, informing the Service that California is already experiencing low levels of reliability in water supply. Metropolitan indicated that if future Endangered Species Act Section 7, consultations regarding adverse modification of critical habitat, cause or contribute to a reduction in California's Colorado River supply, the economic impacts would be significant and must be given full consideration and disclosure by the Service in its designation of critical habitat.

RESOURCES ACTIVITIES/PROJECTS IN PROGRESS				
Program or Project	Activity During the Reporting Period			
CRA System	For December, the CRA averaged a 8.0-pump flow operation with 110,474 acre-feet of Colorado River Water pumped. The total December electrical energy consumption by the CRA pumping operation was 219,997,479 kilowatt hours (kWh). For the month of January, CRA operation is expected to divert approximately 109,500 AF of Colorado River Water, averaging an eight-pump flow operation. Total energy use for January is estimated at about 219 million kWh.			
Energy Operations	The District purchased a total of 92,964,570 kWh of supplemental energy at a total cost of \$1,961,259.60 in the month of December. Edison's incremental energy rate, which is dependant on the fuel costs of oil and gas, averaged 23.62 mills/kWh during December. Due to the large amount of Edison purchases and the relatively higher averaged supplemental purchase rate of 21.10 mills/kWh, the power cost savings for December was approximately \$234,000. For the month of January, supplemental energy requirements are estimated at 120 million kWh with a total cost of about \$2.5 million.			
Groundwater Recovery Program		No. Projects	Yield AFY	MWD Contribution (\$1000/Yr.)
	Agreements Executed	6	17,974	\$3,233
	Pjts./Agreements under negotiation	2	3,875	\$ 969
	Applications under Review	4	<u>23,260</u>	<u>\$3,056</u>
	Total	12	45,109	\$7,258
Cooperative Storage Program	A Cooperative Storage agreement with Calleguas MWD for Storage in the North Las Posas Basin was executed and storage operations were initiated. Under the Cooperative Storage Program, Metropolitan would store imported water in local groundwater basins and reservoirs through agreements for subsequent sale of the stored water at the then prevailing seasonal storage service rates.			

RESOURCES ACTIVITIES/PROJECTS IN PROGRESS			
Program or Project	Activity During the Reporting Period		
San Gabriel Basin Groundwater Conjunctive-Use Project	<p>The Director of Resources met with representatives of the San Gabriel Valley Industry Coalition, Three Valleys Municipal Water District, Upper San Gabriel Valley Municipal Water District, Main San Gabriel Water Quality Authority (Authority), and the Main San Gabriel Basin Watermaster (Watermaster) to discuss preparation of the Coalition's Water Quality Technical Plan. This plan focuses on the technical design of a remedial plan in the Baldwin Park operable unit and will be submitted to the U.S. Environmental Protection Agency (EPA).</p>		
State Water Resources Control Board External Program Review	<p>Governor Wilson has requested an external review of the mandates and programs of the SWRCB and the nine Regional Water Quality Control Boards. Four programs are being reviewed: Groundwater Protection; Permit Reform; Water Resources; and Regional Board Consistency. Dr. Lisa Anderson was appointed by the Governor to participate in the Groundwater Protection Task Force.</p>		
Reclaimed Water Production and Distribution	<p>Since the inception of the Local Projects Program (LPP), Metropolitan has provided incentives for the production of approximately 103,300 AFY of reclaimed water for landscape and golf course irrigation, nurseries, and industrial uses. To date, 25 water reclamation projects have received LPP contributions totaling approximately \$9.6 million. Additionally, the LPP has provided \$5.4 million in capital financing for the Las Virgenes and South Laguna Reclamation Projects.</p>		
Local Projects Program Status	<u>Status</u>	<u>Number of Projects</u>	<u>Ultimate Yield (AFY)</u>
	Agreements Executed	34	166,900
	Agreements Under Negotiation	3	23,500
	Applications Under Review	2	3,100

RIGHT OF WAY AND LAND ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Domenigoni Valley Reservoir Project	<p>Of approximately 160 parcels certified for acquisition for the reservoir, 89 have reached settlement. The District has control of an additional 61 parcels under orders of possession issued by the court under the eminent domain process; hence, the parcels under the control of Metropolitan amount to 94 percent of parcels required for the project.</p> <p>Of the 24 parcels needed for the relocation and realignment of Newport Road, 2 have been acquired, and 2 are subject to eminent domain actions. Offers to purchase were made on 8 parcels.</p> <p>Two additional cases eligible for relocation assistance were identified, increasing the total case load to approximately 107. An estimated 29 cases are still open.</p>
Eagle Valley West	The acquisition of the Shea Homes property was finalized and escrow has closed.
Eastside Pipeline	Thirty-seven appraisal reports were completed by independent appraisers and reviewed by staff.
Pasadena Facility	An additional 10,000 square feet was subleased at the Pasadena Arroyo Parkway offices, further reducing the District's rent liability at this site.
Zone Changes and Development Projects	Eighteen public hearing notices for proposed zone changes of private and/or commercial projects were processed. Six could affect Metropolitan's facilities.

WATER QUALITY ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Metropolitan/LADWP Water Exchange	Metropolitan met with LADWP staff to discuss the proposed water exchange between Metropolitan and LADWP, which would involve treatment of 100 percent State Project water (SPW) at LADWP's Aqueduct Filtration Plant and treatment of a blend of SPW and L.A. Aqueduct water at the Jensen Plant. This exchange has the potential to permit LADWP and Metropolitan to meet future disinfection by-product and arsenic regulations while deferring capital expenditures associated with the ozone/PEROXONE retrofit at the Jensen plant.

WATER QUALITY ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Arsenic Removal Studies	Full-scale testing for arsenic removal at the Mills plant began on January 10. The evaluation will determine whether application of elevated doses of ferric chloride (6.5/10/14 mg/L) or alum (10/20/40 mg/L) would enable Metropolitan to comply with future arsenic regulations, which are expected to set maximum contaminant levels of 0.5-20 µg/L. The study is expected to last until mid-May.
Copper Concentrations in Weymouth Plant Sludge	An examination of historical data to determine the source of copper in the Weymouth plant sludge was initiated following issuance of a citation by the L.A. Sanitation District for exceeding the wastewater ordinance limit. The data analysis indicated that Lake Mathews was the source of the copper occurrence, which was related to copper sulfate treatments applied to control taste-and-odor-producing algae.

ADMINISTRATIVE SERVICES ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Emergency Employee Relocation	Following the January 17, 1994 Northridge earthquake, on recommendation of the Chief engineer, employees in the south, east, and west wings of the Sunset facility, including Operations, Medical Office and Executive Secretary staffs were relocated to temporary locations in Two California Plaza.
Security	Staff met with MS Management and Illig Construction to discuss security measures given to upcoming projects on the 18, 20, and 21st floors, as well as the ground floor at Two California Plaza. Additional security personnel will be assigned to the ground floor during business hours.

ENGINEERING ACTIVITIES IN PROGRESS		
PROGRAM	PROJECT SCOPE/PURPOSE	STATUS
	Note: Status codes for activities in progress are as follows: S = Study P = Preliminary Design F = Final Design A = Advertised for Bids B = Bids Opened; Pending Contract Award C = Contract Awarded	
Reimbursables	San Joaquin Reservoir service water system modifications for achieving compatibility with an increased chlorinator capacity	P
Distribution System--Type "M" Flowmeter Replacement	Distribution System--replace obsolete mercury-type flowmeters with state-of-the-art flowmeters	F
Skinner Plant--Water Quality Improvement Study	Skinner plant--minimize sediment accumulation for bacteria reduction and improved aesthetic quality.	S
All Filtration Plants--Chlorine and Ammonia Monitoring	All filtration plants--add ammonia and chlorine residual analyzers for Surface Water Treatment Rule (SWTR) compliance	C
Diemer--Modify Chlorination System	Diemer filtration plant--modify chlorination system to meet future chlorination demands of reclamation and filtration plants	P
Conjunctive Use Study/ Chino Basin	Chino Basin Groundwater Storage Program	F
Diemer Filtration Plant Modifications and Washwater Reclamation Plant Enlargement	Diemer washwater reclamation plant No. 1 modifications to improve reliability and water quality	F
Garvey Reservoir--Construct Operations and Maintenance Center	Garvey Reservoir--Construct Operations and Maintenance Center for Los Angeles Section personnel of the Operations Division	P
Garvey Reservoir--Replace Domestic Water System	Garvey Reservoir--Replace deteriorated domestic and irrigation water system	P

ENGINEERING ACTIVITIES IN PROGRESS		
PROGRAM	PROJECT SCOPE/PURPOSE	STATUS
Mills Area Project	Mills plant finished water reservoir No. 1--replace existing deteriorated cover with floating Hypalon cover in compliance with SCAQMD and EPA requirements	F
Mills Area Project	Mills plant finished water reservoir No. 2--install Hypalon lining and floating cover in compliance with SCAQMD and EPA requirements	F
San Diego Pipeline No. 6	San Diego Pipeline No. 6--Contract No. 1 to construct pipeline from the interconnection at San Diego Canal to the north portal of Mt. Olympus Tunnel. San Diego Pipeline No. 6 is being constructed for meeting supplemental water needs of southern Riverside and San Diego counties.	P
	San Diego Pipeline No. 6--Contract No. 2 to construct Mt. Olympus Tunnel and portals.	P
Jensen--Expansion of Filtration Plant	Reservoir No. 2--groundwater dewatering system to improve soil stability and prevent infiltration and excessive uplift pressures	F
	Reservoir No. 1--modifications to hydraulically split flows and improve contact time	F
	Chemical feed and storage facilities--expansion for corresponding with expanded plant capacity under Jensen Expansion No. 1 project	F
	Chlorine feed system construction	F
	Standby emergency power generation system installation	P
	Reservoir No. 2--install Hypalon cover for water quality protection	F
Inland Feeder Program	Contract No. 1--Devil Canyon to Waterman	P
	Contract No. 2--East San Bernardino tunnel and portal	P
	Contract No. 3--pipeline parallel to Highway 330, City Creek Levee and Boulder Avenue	P
	Contract No. 4--soft ground tunnel under Santa Ana wash	P
	Contract No. 5--Opal Avenue portal and tunnel through Riverside Badlands	P
	Contract No. 6--Gilman Springs portal and tunnel through Riverside Badlands	P
	Contract No. 7--pipeline through San Jacinto Valley	P
	Contract No. 8--pipeline parallel to Davis Road	P
	Contract No. 9--pipeline parallel to Casa Loma Canal	P
San Joaquin Reservoir Improvement Project	San Joaquin Reservoir Improvement Project Hypalon floating cover installation	F

ENGINEERING ACTIVITIES IN PROGRESS		
PROGRAM	PROJECT SCOPE/PURPOSE	STATUS
Seawater Desalination Demonstration Project and Testing Program	5-MGD desalination demonstration plant for evaluating seawater desalination processes and costs	F
Chlorine Release Containment and Neutralization	All facilities--chlorine release containment and neutralization measures	F
Chemical Containment Program	All Metropolitan facilities--chemical containment studies for reducing risk of process and non-process chemicals escaping into the environment from Metropolitan facilities	S
	Diemer plant--relocate ammonia facilities	F
	Weymouth plant--relocate ammonia facilities	F
	Jensen plant--relocate ammonia facilities	F
	Jensen plant--long-term chemical containment facilities	F
	Weymouth plant--long-term chemical containment facilities	F
	Diemer plant--long-term chemical containment facilities	F
	Mills plant--long-term chemical containment facilities	F
	Skinner plant--long-term chemical containment facilities	F
	All pumping plants--long-term chemical containment facilities	F
Hydroelectric power plants--long-term chemical containment facilities		P
	Distribution reservoirs--long-term chemical containment facilities	F
Seismic Modifications at CRA Pumping Plants and Pipelines	All pumping plants--seismic modifications of the discharge pipelines for meeting stability requirements	F
	All pumping plants--seismic modifications of all five pumping plant buildings for meeting stability requirements	F
Filtration Plants--Backflow Prevention Assemblies	Weymouth plant--install backflow prevention assembly for controlling water quality in pipeline cross connections	F
Ozonation Retrofit Program	Perform engineering, environmental, and cost investigations relative to ozonation retrofitting for Metropolitan's filtration plants--ozonation retrofitting will be done to meet proposed disinfection/disinfection by-products regulations	S
	Jensen Plant--ozonation retrofitting	P

ENGINEERING ACTIVITIES IN PROGRESS		
PROGRAM	PROJECT SCOPE/PURPOSE	STATUS
(Former) LA Headquarters Building (Sunset Blvd.)--Fire Sprinkler System	Former LA Headquarters building--install fire sprinkler system in compliance with fire codes	F
CRA and Orange County and Garvey Reservoirs	Garvey Reservoir--replace chlorination system with hypochlorination liquid bleach system in order to eliminate the use of gaseous chlorine	F
	All pumping plants--replace chlorination systems with hypochlorination systems	F
Water Quality Lab Expansion	Water Quality Laboratory building expansion to accommodate staffing and water quality activity increases	P
Garvey Reservoir Restoration	Garvey Reservoir--crack repair work	A
Lake Skinner Bypass Pipeline	Lake Skinner bypass pipeline No. 2 screen installations for removing algae, weeds, and other debris	F
Cathodic Protection Systems	Middle Feeder--install cathodic protection system	F
	Lower Feeder--install cathodic protection system	F
	West Coast Feeder--install cathodic protection system	F
Skinner--Landfill Expansion	Skinner plant landfill expansion for meeting sludge disposal requirements	P
All Filtration Plants--Ferric Chloride	Filtration plants--study on use of ferric chloride as an alternative primary coagulant in treatment processes	S
Diemer Slope Remediation	Remedy conditions causing accelerated movement in Diemer mixing and settling basin No. 8	F
Skinner--Standby Emergency Power Generation System	Lake Skinner--install standby emergency power generation system	A
Lake Mathews--Service Water System Tie-in and Modifications	Lake Mathews--modify service water system to meet fire protection and SWTR requirements and tie in to Western Municipal Water District for meeting service requirements	F

ENGINEERING ACTIVITIES IN PROGRESS		
PROGRAM	PROJECT SCOPE/PURPOSE	STATUS
Lake Mathews-- Replace Outlet Tower Gate Valves	Lake Mathews--Replace gate valves and develop valve refurbishing program for outlet tower to reduce valve outages	F
Skinner Plant--Filter Tests and Replacement of Filter Media	Skinner Plant--Replace malfunctioning filter media in various modules	Design Completed

STATE WATER PROJECT AND CONSERVATION DIVISION ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
Proposed Interruptible Entitlement Program	Department of Water Resources (DWR) is considering implementing a new program to pump additional water from the Sacramento-San Joaquin Delta (Delta), should the water become available at times when DWR could not utilize the water, to increase the approved 1994 water deliveries to all SWP Contractors.
Conserv93	Staff participated in Conserv93, an international water conservation conference. Several staff members presented papers on the success of Metropolitan's conservation initiatives over the past several years. Staff also moderated or participated in a variety of panels, and led affinity groups designed to provide a forum for open discussions on a number of topics. One of the highlights of the conference was Metropolitan's panel discussion of its innovative ultra-low flush toilet program. Representatives of two of the community-based organizations discussed the many positive community benefits of the program.
SWRCB Mono Lake Hearing	On December 16, Dr. Quinn presented testimony at the State Water Resources Control Board's (SWRCB) Mono Basin Hearing. The subject of the hearing was to receive evidence that will assist SWRCB in developing amendments to water right licenses held by the City of Los Angeles. In his testimony, Dr. Quinn stated that should SWRCB limit Los Angeles' Mono Basin diversions, Metropolitan would provide alternate supplies. However, availability of replacement supplies would be contingent upon the commitment from SWRCB and other agencies to maintaining a flexible water management system, particularly in the Bay-Delta.

STATE WATER PROJECT AND CONSERVATION DIVISION ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
<p>EPA Grant Project - WAVE - December 1993</p>	<p>Metropolitan has been awarded a contract by the U.S. Environmental Protection Agency (EPA) to develop analysis software to permit hotel and motel plant engineers and operators to conduct water efficiency analyses of their facilities. Software features will include: performance tracking, water system analyses, allocation of water use evaluation of common alternative technologies, management reports, and a stand-alone tutorial to promote ease of use and widespread distribution.</p> <p>Metropolitan has contracted with Pequod Associates, Inc. to develop the software and conduct the seminars. An initial version of the software is expected by April 1994.</p>
<p>Water Hunt Program</p>	<p>The Water Hunt Program conducted in Southern California high schools has recently been extended and will continue through July 1994. This program which leads high school students through an indoor home water survey and provides water conservation devices and information, offers a cost-effective distribution method for retrofit kits, while educating students and their parents.</p>
<p>Central Valley Project (CVP) Improvement Act (CVPIA) (Title XXXIV of P.L. 102-575)</p>	<p>Revised Interim Guidelines for the Restoration Fund (Revised Guidelines) were issued by USBR in November. The Restoration Fund guidelines will be used by USBR to determine how funds will be collected for the Restoration Fund. Staff identified substantive concerns regarding USBR's intent to subject CVR water to fees which do not appear to be authorized and outlined those concerns in a letter to USBR on December 17. Staff is preparing a second letter, to the Regional Director of USBR's Mid-Pacific Region, detailing Metropolitan's opposition to the imposition of the M & I rate on CVP Exchanger Water as proposed in the revised interim guidelines.</p>
<p>CVP Option-Water Transfer, Areias Dairy Farms (ADF)</p>	<p>Metropolitan is responsible for engineering, legal and other developmental costs necessary to implement the transfer. Staff has currently paid \$37,969 in legal and technical developmental costs. It is estimated that the total developmental costs, including consultants employed by Metropolitan for technical and environmental documentation, will be approximately \$150,000. This amount excludes Metropolitan staff costs.</p> <p>Staff is continuing work on State and federal environmental documentation which must be completed before the final agreement can be executed and any water transferred.</p>

STATE WATER PROJECT AND CONSERVATION DIVISION ACTIVITIES IN PROGRESS	
Issue/Project	Activity During the Reporting Period
<p>Proposed Transfer with Sacramento River Water Contractors Association (SRWCA)</p>	<p>A group of urban water agencies located both north-and south-of the Delta including Metropolitan, have held joint discussions regarding a potential water transfer program with the SRWCA. Metropolitan's participation in the program would nurture a cooperative interest between diverse parties to resolve issues which presently encumber water transfers through the Delta. This would benefit Metropolitan by securing additional water supplies, opening up the water market in the upper Sacramento Valley, and realizing the benefits of "economies of scale" in developing water transfer programs with a coalition of willing urban buyers in association with many willing potential sellers.</p>