



WATER LINE



A PUBLIC INFORMATION SERVICE OF THE WALNUT VALLEY WATER DISTRICT

Volume XXVII

WINTER 2004

Number 1

COMMITMENT TO HIGH QUALITY SERVICE

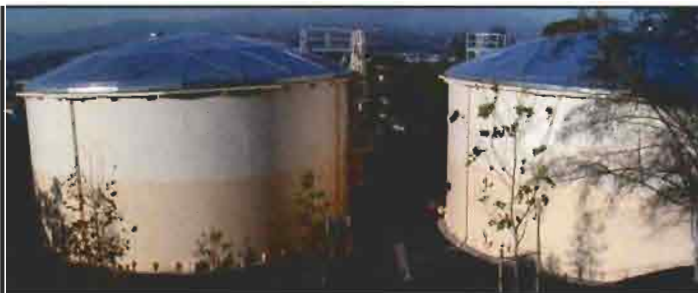
Since its inception 51 years ago, the District has remained firmly committed to its mission of providing a high quality water supply at the lowest possible price and to ensuring that it meets the water supply needs of the nearly 100,000 people it proudly serves.

In keeping with its firm commitment to provide high quality service, the District continuously strives to develop and implement programs that will best serve the needs of its consumers. This edition of Water Line will present an overview of some of the District's accomplishments and a few of the new and on-going water system improvement projects performed during 2003.

MEETING REGULATORY REQUIREMENTS

It goes without saying that the District's primary responsibility is to provide a high quality, reliable water supply to its consumers. In meeting this challenge this past year, the District was faced with complying with many new federal and state regulatory requirements. The District met these requirements when delivering nearly 7.3 billion gallons of potable water to the residents and businesses within its service area and 538 million gallons of recycled water for landscape irrigation purposes.

Since the events of September 11, 2001, the District has continued to work diligently to ensure the quality of its water supply. During the calendar year 2003, the District collected over 17,000 water samples. These samples were in addition to over 300,000 water samples collected and tested for the purpose of analyzing over 120 chemical parameters by the Metropolitan Water District, the District's regional water importer, before the water even entered the District's storage and distribution system. By the end of 2003, the District completed a comprehensive security vulnerability assessment that recommended security improvements to protect the District's water supply, distribution system, and employees. Based on the recommendations contained in the vulnerability assessment, the District will be developing a plan for capital improvements and day-to-day



security operations to be implemented over the next several years.

ENGINEERING/CAPITAL PROJECTS

In addition to the daily operational tasks required to provide a reliable, high quality water supply, the District also focuses a significant amount of its efforts and resources on capital facilities planning for current and future projects. The following is a brief summary of some of the major projects undertaken by the District during 2003.

Reservoir WR-5 Improvements - The District completed the addition of a new one million-gallon steel reservoir and improvements to an adjacent tank that provides reliable service to the District's 770 pressure zone. The new steel tank adds much needed storage to the existing site, providing redundancy that allowed the District to upgrade one of its oldest tanks to current seismic standards and to rehabilitate this tank originally constructed in 1967.

Geographic Information System (GIS)

- During 2001, the District awarded a \$250,000 contract for its multi-year GIS project, which is now complete. This system allows District staff to readily identify geographically potable and recycled water system infrastructure components by type and age, as well as provide linkages to the District's various system databases. The use of this tool significantly streamlines many District functions involving research on the ages of facility components and their relative locations within the District's service area. One of the enhancements made to the GIS last year was the addition of a valve maintenance program allowing the District to automatically update database records as valves are operated and track progress as work is performed by District crews. There were 1,462 valves operated and 5 valves repaired during 2003. The District currently maintains 2,843 fire hydrants, 9,621 valves, and 409 miles of pipe.

Industry Well - The District completed the construction of site improvements and the installation of the pump assembly for the Industry Well located adjacent to the Koll plantation industrial center.

Conserve to the last drop...

This well is now producing water from the Spadra Basin for use in the District's recycled water system at a current savings of approximately \$350 per acre foot over the cost of potable make-up water now purchased and added to the recycled distribution system during recycled water shortages. The addition of this District facility provides a regional benefit, as each gallon of water produced from this well will reduce a corresponding amount of import water now transported from distances up to 444 miles away.

Sacrificial Anode Program - The District initiated this program in 2002 in order to reduce the number of service lateral failures throughout the District and provide reliable water service to consumers for years to come. The anticipated cost to install sacrificial anodes on all metered services is \$820,000. The installation of these anodes will stabilize the system and potentially eliminate the corrosion of service lateral components that have been known to fail from pin-hole leaks that have resulted in service interruptions to District consumers. District staff installed 1,160 zinc anodes last year to provide cathodic protection and extend the life of existing service lateral components.

Recycled Well #3 Main Extension - The District completed the installation of 1,285 feet of 8-inch recycled water main to serve a future well site located on Lycoming Street near Lemon Avenue that will provide an additional source of water for the District's recycled water system and reduce the District's dependence on potable make-up water imported from distant sources.

Ridgecrest Reservoir - The District awarded a contract for professional engineering services for design, bid support, and construction oversight of the Ridgecrest Reservoir. The District's consultant is currently working on the initial construction plans and preliminary design report.

Development Projects - During the year 2003, the District completed seven development projects and awarded two additional projects.

(1) *The Grand Crossing* project involved the installation of the second phase of water system improvements for a four-phase industrial development located in the city of Industry. Phase 2 of this project included the installation of 15 fire hydrants, 7 10-inch fire services, 7 potable metered services, 13 recycled metered services, 7,642 feet of 16-inch potable water main, and 7,646 feet of 8-inch recycled water main at a cost of \$660,016 for seven buildings on 204.4 acres of the approximately 425 acre site.

(2) In conjunction with the Alameda Corridor East (ACE) project, at a cost of \$123,991, the District completed the relocation of 594 feet of 12-inch potable water main at Nogales Street for the grade separation that will eliminate commuter delays at this location caused by increased train traffic along the Corridor.

(3) The Imperial Business Park located in the city of Industry required the installation of 9 fire hydrants, 8 10-inch fire services, 7 potable metered services, 7 recycled water irrigation metered services, 4,093 feet of 16-inch and 10-inch potable water mains, and 3,308 feet of 8-inch recycled water main at

a cost of \$394,932 to serve the needs of seven warehouse type buildings on the 21.3 acre site.

(4) The Diamond Bar Community Center involved the installation of 2 8-inch fire services, 2 potable irrigation metered services, 2,088 feet of 12-inch potable water main, and 121 feet of 6-inch main at a cost of \$119,959 to serve this 17.1 acre site.

(5) The Snow Creek Retail Center - Village West commercial development project required the installation of 230 feet of 12-inch and 6-inch laterals, 5 fire hydrants, 2 8-inch fire services, 18 potable metered services, and 1 recycled water irrigation metered service at a cost of \$112,233 to serve this 10.9 acre site.

(6) The "E" Street Electrical Substation located in the city of Industry involved the installation of 855 feet of 12-inch water main, 4 fire hydrants, 1 recycled water metered service, and 1 potable metered service at a cost of \$69,965.

(7) The Pacific Commerce Center located in the city of Industry required the installation of 4 fire hydrants, 2 8-inch fire services, 2 potable metered services, and 2 recycled water metered services at a cost of \$53,525 to serve this 12 acre site.

Contracts awarded in 2003 for projects that are scheduled to be completed later this year include:

(1) The Community Day School involving the installation of 410 feet of 6-inch recycled water main in Nogales Street, 2 recycled water metered services, 1 potable metered service, and 1 6-inch fire service at a cost of \$39,339.

(2) The La Puente Road Recycled Water Main Extension consisting of the installation of 1,122 feet of 6-inch recycled water main in the city of Walnut, the removal of 2 recycled water metered services, and the conversion of 2 existing irrigation metered services to recycled water use at a cost of \$104,977.

These are just a few of many projects the District has been hard at work on for the past year as it continues to strive to improve the level and reliability of service to its consumers while meeting the need of growth and development within its service area. The District takes pride in its accomplishments and will continue its ongoing efforts to provide quality service to all of its consumers.

BOARD REORGANIZATION

The District held its annual reorganization meeting on December 16, 2003, at which time the Board elected the following officers:

Edward N. Layton, President

Division III, South Diamond Bar

Edwin M. Hilden, Vice President

Division II, North Diamond Bar

Donald L. Nettles, Vice President

Division IV, portions of Rowland Heights and Diamond Bar

Keith K. Gunn, Assistant Treasurer

Division V, portions of City of Industry, Pomona, Diamond Bar, and West Covina

Allen L. Wu, Director

Election Division I, portions of Walnut and West Covina

District Board meetings are regularly held at 2:00 p.m. at the District offices on the third Tuesday of the month, unless noticed otherwise.

Please visit us at www.wvwd.com