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IMPORTANCE OF PRESSURE REGULATORS

A water agency's distribution system is rated by the California Department of Public Health based on the complexity of the system. The most complex system is considered a Distribution V; the least complex system is a Distribution I. Trabuco Canyon Water District's (TCWD) is rated as a Distribution IV system. This is due to the fact that TCWD operates two water treatment plants, much of the service area within District boundaries is at high elevations, and severe changes in elevations exist within the system. By necessity, this creates opportunities for very high and very low water pressures.

Many of the water distribution and transmission pipelines that are in the ground have a very high pound per square inch (psi) rating, and pressure reducing valves are strategically located throughout the system to effectively manage the overall pressure requirements to meet system demands. Many residences throughout the service area have pressure delivered to their meters which require a private pressure regulator, such as the one shown below.



TYPICAL PRESSURE REGULATORS

Unless a residence is in an extraordinarily high elevation zone, TCWD can typically deliver water at a minimum of 40 psi, but in many cases the pressure

at the meter can exceed 100 psi. Also, TCWD is required by the Department of Public Health to provide a minimum of 20 psi at your meter. The pressure regulator at your home is typically bell shaped and located below the hose bib in front of the house where the water enters the house through a pipe. These devices operate with a spring and rubber diaphragm mechanism that can wear out after a number of years.

TCWD strongly recommends that you acquire a simple water pressure gauge from a local hardware store, and attach it to your hose bib to measure your water pressure. If the pressure exceeds 75 psi, your water pressure regulator may need to be adjusted, repaired, or replaced. Failure to do so can mean that the copper piping inside your home may be sustaining pressures in excess of what was intended by the builder and can result in serious water damage. ***For a real hands-on experience of a how a pressure regulator works, stop by on May 6th at our Water Awareness Day Event (see below),***

WATER AWARENESS DAY EVENT

TCWD's 2017 Water Awareness Day Event is scheduled for Saturday, May 6, 2017, from 10:00 AM to 2:00 PM at the TCWD Administrative Facility at 32003 Dove Canyon Drive. This annual event focuses on the importance of water use efficiency, the protection of our precious natural resources and the necessity of conservation practices, which includes water recycling and the capture of rain water and urban runoff.

Last year, TCWD hosted some very informative water-themed booths, as well as some fun vendors like the ISO-Pod from the City of Newport Beach, a shaved ice booth, and local face painters to provide some fun for the younger attendees. This year, TCWD plans to continue with some of the favorites from last year, as well as introduce a few new learning experiences for all. For more information, see the other side of this newsletter

2017 WATER AWARENESS EVENT

-  Family Friendly Fun
-  Landscape Professionals
-  Hands-On Activities
-  Face Painting & Balloons
-  Marine Life Tide Pool
-  Free BBQ Food

Join us on Saturday, May 6th
from 10:00 AM to 2:00 PM at our Main Office



REGULAR BOARD MEETINGS HIGHLIGHTS

The following items are highlights or matters discussed at the March and April Regular Board Meetings:

- Fair Political Practices Commission Conflict of Interest Filing Update

- Review of TCWD Proposed Draft FY2017/18 Capital Improvement Program Projects

- Review of MWDOC's (TCWD's Water Wholesaler) Draft Proposed FY2017/18 Proposed Rates and Charges

- Update on Statewide Drought Conditions and State Water Board Drought Regulations

The Board of Directors Regular Meeting is scheduled for the third Wednesday of each month at 7:00 p.m. at the District's Administrative Facility located at 32003 Dove Canyon Drive, Trabuco Canyon. The public is encouraged to attend.



BOARD OF DIRECTORS

Glenn Acosta President	Michael Safranski Vice President	
Don Chadd Director	Stephen Dopudja Director	Edward Mandich Director

General Manager Hector Ruiz