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# PWD Helps to Keep Palmdale Clean

City's Desert Dazzle Clean-Up Event Worth Its Weight

Illegal dumping in Palmdale has been both an eyesore and a public health concern for sometime. With a vast landscape and open sky, our desert community is an easy target for illegal dumping. Everything from tires, TV's, used diapers, car parts, furniture, clothing, paperwork, sports equipment, and household items can be found in different locatons throughout our community.

The Water District supplied bottled water to all of the participants, and several of the Board of Director's showed up to pick up the litter alongside City personnel and over 120 volunteers. Eleven dumpsters supplied by Waste Management were quickly filled with debris littered across Avenue R and 70th Street East. It was a strong day for wind, but all of the volunteers persevered picking the unwanted belongings from tumbleweeds and other desert vegetation.

The event was scheduled for three hours but lasted about two and a half due to all of the dumpsters being completely filled. City crew workers used heavy machinery to lift large awkward pieces into the trash bins and helped deliver water and additional trash bags to the volunteer staff. It was a good day for the community; one that will hopefully resonate and deter others from discarding their waste illegally.

# Water Usage Update

reduction of water use by the year 2020. The average water use in California was 192 gallons per person per day (GPCD). Therefore, the statewide 2020 goal is 154 GPCD. The District's baseline per capita water use is 220 GPCD. Therefore, the District's 2020 goal is 176 GPCD. The amount of billed water in 2014 was 18,127 acre-feet or 5.9 billion gallons of water. This reduction of 4.6% from 2013 reflects a per capita water usage by District customers of 154 GPCD and is a reduction of 30% the State is asking for! Great job Palmdale!







**Courson Clean & Green Event** March 28, 2015 Call 661-267-5665 for more info



**Board Meetings** February 11 & 25, 2015 @ 7 pm



## Its Time to Think About getting Your Lawn Ready!

### Thatch and Aerate

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Thatching is the removal of old, tired grass. With thatch removed, air, water and nutrients can do their job more efficiently. Turf becomes healthier and more resistant to insect damage and disease.

A problem with a thick thatch is that the grass roots are rooting within the grass itself, rather than into the soil.

Thatch is a layer of grass stems, roots, clipping and debris that settle on the ground and either slowly decompose and/or accumulates over time.

Lawn thatching can be done using a lawn thatcher, or a thatch rake. It is best to mow your lawn down about a half inch shorter than usual before thatching. Thatch when grass is dry.

Aerating

Why aerate? Aerating saves you money by reducing the amount you need to water. Lawn aeration builds a thicker turf. Water helps roots to penetrate tough soils and makes it easier for roots to grow thicker and deeper

Aerating helps in the same way as a rototiller helps your garden. It loosens the dirt and circulates air. The many benefits of aeration keeps your lawn greener reducing the cost of watering by: 1-Improving drainage and reducing runoff

2-Reduces soil compaction

3-Controls thatch development

4-Reduces drought damage

5-Allows water, air and nutrients direct access to the root system.

To get the best results when aerating your lawn, you want to use a core aerator. This method allows you to pull plugs out of the lawn and allows for deeper water penetration. As the water seens deeper into the soil, it encourages the roots to grow deeper. As the roots grow deeper, this will also thicken the turf and naturally breaks up clay underneath the soil

The best time to thatch and aerate is spring or fall. after the rainy season and before bot weather. Aerating works well with over seeding and fertilizing.

# Rate Assistance Program for Low-Income Seniors

Low income seniors aged 62 and older are getting an opportunity to receive assistance on their water bill. The Palmdale Households must have a 5/8" or 3/4" meter and be enrolled in either the Southern California Edison or Southern

### Antelope Valley Transit Authority $\bigcirc$ AVTA Leads the Way with Water Conservation Efforts

The Antelope Valley Transit Authority (AVTA) is well on its way to becoming a nationally recognized leader in the public transportation industry for its commitment to water conservation. California's historic drought has prompted AVTA to take extreme measures to reduce its water consumption by 82 percent. In recent years, the design and implementation of innovative water conservation processes have played a key role in ensuring that AVTA's operations are eco-friendly.

AVTA's efforts at reducing water consumption have paid off in a big way, saving taxpayer dollars as well as water. Their annual water usage has dropped from 3.8 million gallons to 684,000 gallons per year, and their monthly water bill dropped from \$5,000 to approximately \$1,200. Earlier this year, the agency received a prestigious award from the Antelope Valley Air Quality Management District for its environmentally friendly efforts. As a recipient of the William J. "Pete" Knight AIRE Award, the agency was applauded by state and local officials for demonstrating environmental responsibility.

In 2011, plans for a major construction project at AVTA were underway, and the transit agency broke ground on an \$11 million Phase 2 expansion of the existing facility. It was during the beginning stages of construction that AVTA realized how much water was being used in everyday operations. Officials from the Los Angeles County Industrial Waste Water Division notified AVTA that an Industrial Waste Water Permit, at a staggering \$219,000 fee per year, could be required, due to the fact that the

agency was consuming 3.8 million gallons of water annually. The exorbitant cost and the agency's commitment to the environment prompted AVTA's staff to take immediate action to drastically reduce its water usage.

To eliminate the need for a permit, AVTA had to reduce its water consumption to less than one million gallons annually. A daunting challenge, to be sure, but the AVTA Fleet Maintenance team, led by Manager Mark Perry, was equal to the task. They began by analyzing the facility operations that used the most water and found that one of the major areas was bus washing. Perry and his staff first reduced the frequency of washing buses from daily to weekly and used just 40 gallons per bus wash as opposed to 400 gallons, which they had been consuming

previously. This effort alone reduced water consumption by 68 percent. Perry then worked with the manufacturer of the bus washing equipment to design a water recycling system. The improved system catches and funnels used water from eight of nine wash stations through a series of filtration and water treatment components and then stores it in a holding tank for future washes.

> Another area Perry examined was the facility landscaping. Approximately one acre of the 18-acre AVTA site was landscaped, but at that time the landscape consisted of grass and non-native plants and took 23,000 gallons of water annually to maintain a healthy appearance. The maintenance staff replaced the existing landscaping with a combination of xeriscaping and vegetation native to the high desert climate, which needed little watering beyond normal rainfall. Additionally, all domestic plumbing fixtures within the facility were converted to low-flow.

Each of these measures are representative of a greater shift to more sustainable practices in the transportation industry. AVTA will continue to implement environmentally sound strategies that are in the best interest of the residents we serve.

## **Desert Gardening Highlights** How to Save Water and Have a Colorful Yard

Sweet Acacia, or Acacia farnesiana, is actually a large deciduous shrub that can grow up to almost 30 ft. in height. It blooms in the late winter to early spring with golden yellow puffballs which

are known to be quite fragrant. This ornamental decorative addition to your landscape prefers well-drained soil and can still grow well even in nutritionally deprived areas. This shrub/tree does not like shade and prefers full sun, dry to moist soils, and can tolerate drought. Sweet Acacia has a unique relationship with certain soil bacteria where nodules form on the roots and can "fix" atmospheric nitrogen. This helps not only the plant grow but can also assist other nearby vegetation by adding nitrogen to the soil.

*Cordia parvifolia,* is a beautiful shrub for any yard or landscape, in the High Desert. With it's moderate size and semi-evergreen characteristics, the Little-Leaf Cordia

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is a hearty and majestic plant. The leaves are small and oval with a gray-olive color, and the plant grows in an open, arching, circular manner. This beautiful shrub blooms in the Spring and Fall in small clusters of white flowers. From a distance, they can look like popcorn. Watering this shrub frequently will enhance the rate of growth but is not necessary. This shrub requires little water to live and prosper and can handle intense heat and direct sun even if it is close to structures such as walls or pavement.

For those of us who like groundcover or adding green to a brown ground, look no further than Baccharis X 'Starn Thompson.' This fast growing evergreen

plant spreads and mounds as it spreads across its area creating a dense thick foliage cover. The leaves are bright green and guite small but adds wonderful color to any landscape. The Trailing Desert Broom has nonshowy, white flowers that bloom in the Fall. When choosing this particular plant, keep in mind that the male version does not produce seedheads, which allows growth to be more uniform with less maintenance. It requires little water and does well in full sun.



