

Fire & Water

They call the great outdoors home and their objective is to protect EBMUD lands from the devastation that wildfires can cause.

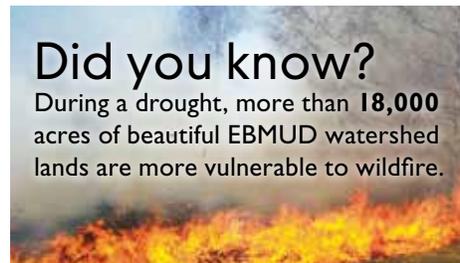
This winter and spring, a group of 26 young women and men are living and working on the watershed lands surrounding EBMUD's Camanche Reservoir in the Sierra foothills, an area spanning 18,000 acres. Their goal is to remove underbrush and fallen tree limbs that feed wildfires. Reducing these natural fuels could temper catastrophic fires and lessen risks to humans, water supplies and critical infrastructure.

As the drought persists, the possibility of silt and debris from wildfires harming water quality remains an ongoing threat. In addition, there are homes and communities that are within or on the edge of EBMUD watershed lands, at risk of damage from wildfire.

Drought-relief legislation signed into law last year provided funding for fuel

reduction efforts on public lands, paving the way for EBMUD and the California Conservation Corps to collaborate.

As part of the six-month agreement with EBMUD, the corpsmembers will live at a tented campsite in the Camanche South



Did you know?

During a drought, more than 18,000 acres of beautiful EBMUD watershed lands are more vulnerable to wildfire.

Shore Recreation Area. The tent camp is the first of its kind in Northern California.

Complete with classroom, cafeteria and sleeping quarters, the campsite will serve as home base. The corpsmembers will comb the watershed, removing brush and

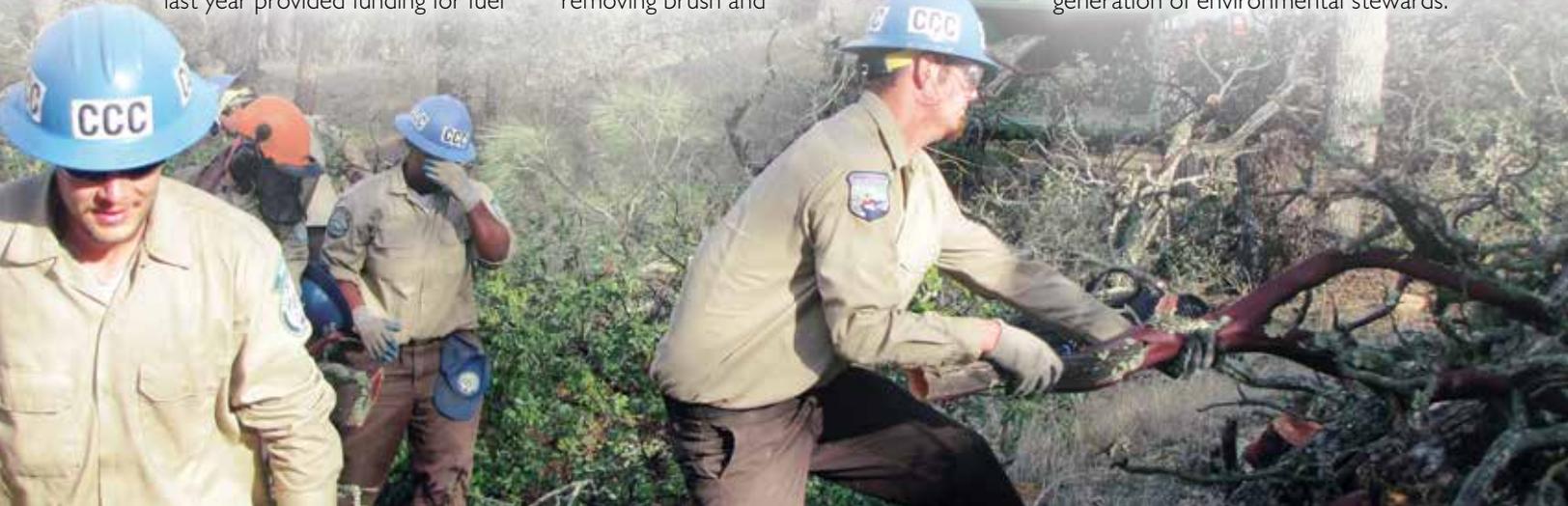
shrubs at identified fire-vulnerable locations until it is time for dinner and rest. As they clear out hazardous vegetation, they practice safety, sporting hardhats, goggles, gloves and water canteens around their waist to avoid dehydration.

They are trained by EBMUD rangers to use wood chippers, saws and shovels.

Recruits come from all over California, including some local youth from Amador, Calaveras and San Joaquin counties.

Partnerships between state and local agencies are one of many ways EBMUD is coping with the drought. In return for making our land and water supplies safer from fire, the corpsmembers gain an understanding of California's environment. When applying for schools and jobs, these experiences are proven resume builders, making these young adults more competitive.

We hope the lessons learned on EBMUD lands will be carried forward with the next generation of environmental stewards.



Calculate your water score

Want to see your water use shrink? Start by doing the math (and we promise, it's easy!)

Step 1: Add up your water use.

Use EBMUD's online calculator to determine where and how to cut back home water use. It's quick too. It will take about 10 minutes.

Step 2: Dare to compare.

How did you score? An efficient EBMUD customer uses about 55 gallons per day inside the home, not including water for outdoor landscaping. Super-efficient water users dip down to 35 gallons per person per day indoors.

Step 3: Make some changes.

Calculate your use and get customized recommendations like:

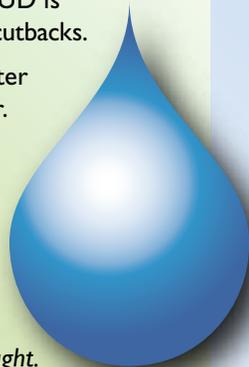
- Replace older toilets and dishwashers with water-efficient models.
- Repair leaks. Toilets are often the source of the worst leaks.
- Run only full loads of dishes and laundry.
- Take the do-it-yourself indoor home survey, available free from ebmud.com. Flow bags and dye tablets help you determine how much water each fixture uses, and if you have a leak.

Get started at ebmud.com/SaveLikeaPro.

Drought 2015

- Please conserve rain or shine. EBMUD is asking customers for 15% voluntary cutbacks.
- If needed, we may deliver extra water supplies from the Sacramento River.
- The cost of supplemental supplies would appear on your bill as a 14% drought surcharge on water flow charges until the extra costs of drought supplies are recouped.

Get the latest information on water supply and drought at ebmud.com/drought.



Listening for leaks

Using acoustic technology, EBMUD is tracking down some of the sneakiest and hard-to-find leaks lurking in our extensive distribution system.

Devices called data loggers are placed on pipe valves in our service area to measure changes in sound that may indicate a leak. Leak detection teams monitor this data and order repairs if a leak is discovered. Using loggers, EBMUD crews are able to survey 300 miles

of pipe annually, out of 4,200 total miles, to identify and repair about 130 leaks before they surface.



Another tool used in the field is an audiometric correlator, which helps crews locate the position of a leak. The correlator works in tandem with microphones that are placed at two test points a known distance apart along a water pipe. By measuring changes in sound that the leak

makes, filtering out the background noise, adjusting for the type of pipe and interpreting the distance the sound travels, the correlator helps crews pinpoint the leak.

Sound technology is a great boost for EBMUD's skilled leak detection teams, amplifying the sounds that water makes beyond what the human ear is capable of hearing.

If you spot a leak, report it at ebmud.com/ReportWaterWaste. For emergencies call 1-866-403-2683.

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EBMUD Mission Statement
To manage the natural resources with which the District is entrusted; to provide reliable, high-quality water and wastewater services at fair and reasonable rates for the people of the East Bay; and to preserve and protect the environment for future generations.