



EMPOWER | INNOVATION | CHAMPIONS 2014 INNOVATION FAIR

DIVISION OF ADMINISTRATION

WATER CONSERVATION MEASURES IN THE DISTRICT OFFICE

Water conservation has been a front-burner concern in the State of California recently, but District 4 has been working on ways to conserve water for a few years now. Innovations in the District Office building that focus on water conservation are: installation of green technology, posting of instructional signage, and procedural changes.

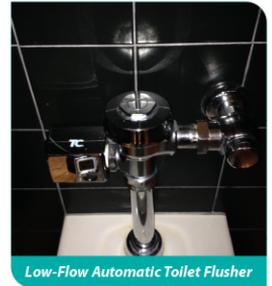


Automatic Faucets in the Restroom

GREEN TECHNOLOGY

Low-Flow & Automated Fixtures have been installed by Facilities Management in conjunction with the Department of General Services. This technology results in impressive cuts in usage:

- ▶ **Low-Flow Automatic Faucets:** 152 installed in restroom sinks; Water usage reduced from 1.5 gallons per minute to 0.5 gallons per minute
- ▶ **Low-Flow Automatic Toilet Flushers:** 165 installed; Water usage reduced from 3.5 gallons per flush to 1.6 gallons per flush
- ▶ **Low-Flow Urinal Flushers:** 38 installed; Water usage reduced from 1.5 gallons per flush to 0.5 gallons per flush
- ▶ **Low-Flow Aerators:** 24 installed in kitchenette faucets; Water usage reduced from 1.5 gallons per minute to 0.5 gallons per minute
- ▶ **Low-Flow Showerheads:** 6 installed in Basement & 7th floor showers; Water usage reduced from 2.5 gallons per minute to 1.5 gallons per minute



Low-Flow Automatic Toilet Flusher



Gauge Sensor on Cooling Tower

Gauge sensors have been installed by Facilities Management in partnership with Department of General Services. Gauge sensors monitor the behind-the-scenes water use in the District Office:

- ▶ Our Cooling Tower on the roof is an "open loop" system, and gauge sensors tell us exactly the water level to precisely monitor evaporation rates, particularly identifying seasonal fluctuations.
- ▶ The Chiller/Boiler system in the Penthouse is a "closed loop" system, and gauge sensors are used to identify leaks. Without gauge sensors, leaks were not identified as quickly.



Close up Shot of Gauge Sensor

INSTRUCTIONAL SIGNAGE

Facilities Management, in partnership with the Audio Visual, Graphics, and Reprographics Services Branch, has designed and posted instructional signs throughout the District Office building in kitchenettes and restrooms. These signs encourage employees and visitors to conserve water. Instructional signage has been shown to have a strong impact and change behavior.

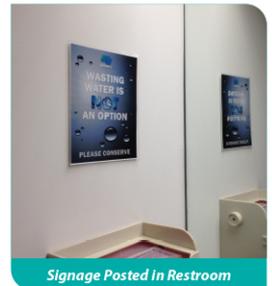
Our water conservation instructional signs are both visually appealing and persuasive. Facilities Management will be posting additional signs in the future to continue to remind visitors and employees in the District Office to conserve water.

PROCEDURAL CHANGES

Procedural changes have been implemented to conserve water. For example, Facilities Management has decreased the number of times the loading dock and sidewalks are pressure washed. Instead of pressure washing once a week, now it's done once a month.



Example of Signage



Signage Posted in Restroom

D4 AUTOMATED EXTERNAL DEFIBRILLATOR (AED) PROGRAM

Early this year, the Office of Business Management, in partnership with the Office of Health, Safety and Training, kicked off its AED Program. AED units were installed throughout the District Office building. These are located in alarmed, wall-mounted boxes. In March, AED/CPR training was provided to Building Emergency Personnel and other district employees. Ongoing maintenance involves monthly checks of the units to ensure the batteries remain in working order.



Alarmed AED Box

WHAT IS AN AED?

The AED is a portable electronic device that automatically diagnoses the life threatening cardiac arrhythmias of ventricular fibrillation and ventricular tachycardia (sudden cardiac arrest) in a patient, and is able to treat them through defibrillation, the application of electrical therapy which stops the arrhythmia, allowing the heart to reestablish an effective rhythm.

WHERE ARE THE AEDs IN THE DISTRICT OFFICE?

Floors 6 through 15: In right side of the common area overlooking atrium; **Ground:** Near the entrance to the Cafeteria; **2nd floor:** In Automotive Office; **Basement:** Across from the elevator; **Penthouse:** On the wall to the right near door.



Powerheart® AED G3 Plus

WHO CAN USE THE AED?

AEDs are fully automated, so that anyone can provide care. These units provide voice prompts and on-screen messages that walk the caregiver through CPR and AED use.

PROGRAM DESCRIPTION

Facilities Management has designated an AED Program Coordinator to work with our contractor Rescue Training Institute to monitor and administer the program, which has three components: **MedAED:** Medical Oversight, Prescription, Reporting and Review. **TracAED:** Program Management Database and Training Reminders. **SupplyAED:** Program Maintenance and Maintenance Reminders. The D4 AED Program provides another layer of safety for employees and visitors to the District Office Building.