



EL DORADO IRRIGATION DISTRICT

Water efficiency assistance available to commercial customers during 2012

For more information, please contact water conservation coordinator Sharon Fraser at 530-642-4112 or sfraser@eid.org

A) BUILDINGS

Receive a complimentary interior water survey from EID that will include recommendations to improve water efficiency. If plumbing fixtures have not recently been replaced, then complimentary aerators and other retrofits may be available from EID, as well as grant funding for the replacement of toilets and urinals.

1) Faucet Aerators

- Replace high-flow faucet aerators with lower-flow aerators that save water with each use and help to avoid high-volume splashing.
 - ✓ For bathrooms and perfect for hand washing – 0.5 gpm tamper-resistant or standard aerators are available for most bathroom faucets.
 - ✓ For kitchens and work areas where more volume is needed – 1.5 or 2.2 gpm tamper-resistant or standard aerators are available.

2) Toilets and Urinals

- EID's water efficiency technician will check for leaks or siphoning in all tank-type toilets.
 - ✓ Water level adjustments will be made with permission, as needed.
 - ✓ To stop leaks, complimentary toilet flappers can be provided for installation by the customer.
 - ✓ Recommendations for the repair or replacement of older toilets will be given.
 - ✓ Complimentary leak detection dye tabs are also available upon request.
- Our technician will also inspect all flush-valve toilets and urinals for their flush volume and proper operation, in addition to checking for leaks.
 - ✓ Receive a rebate credit on your water bill for qualifying U.S. EPA WaterSense rated fixtures, up to these amounts, including sales tax:
 - \$300 – TANK TOILET using 1.28 gallons per flush or less (gpf);
 - \$200 – TOILET FLUSH VALVE using 1.28 gpf or less;
 - \$200 – URINAL FLUSH VALVE using no more than 0.5 gpf; and
 - \$300 – WATERLESS URINAL with the water source capped-off.
- Once your plumbing needs have been inventoried onsite and detailed in a water audit report, our staff will provide you with an application to apply for rebates for qualified WaterSense fixtures.

3) Commercial Kitchens and Custodial Closets

- Replace high-flow pre-rinse spray nozzles in commercial kitchens with complimentary water efficient and high-velocity pre-rinse spray nozzles.
- Reduction of flow-rates for commercial kitchen sinks is not recommended as high volumes are usually necessary; however,
 - ✓ For hand washing sinks, 1.5 or 2.2 gpm tamper-resistant or standard aerators are available.
- The technician will also inspect all custodial closets and maintenance rooms for signs of water leakage.



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B) LANDSCAPE

Receive a complimentary landscape water survey from EID that includes recommendations to improve water efficiency, as well as pre-qualification for the irrigation system upgrades described below. These programs are funded in part by grants, and are available to commercial customers for eligible landscape and turf areas.

1) Weather-Based Irrigation Controllers

Improve water efficiency by replacing automatic irrigation controllers with “Smart” controllers that measure climatic conditions such as humidity, solar radiation, precipitation, and temperature to determine when and how long to run the sprinklers. Smart controllers avoid watering during or shortly after significant rainfall and when moisture is not needed. The “Smart” controller can be programmed with specifics like plant type, sun exposure, slope, soil type, and root depth for more efficient watering.

- Redeem smart controller vouchers at participating retailers – valued at up to \$500 each.
 - ✓ Customer pays any purchase amount over the value of the issued product vouchers.
 - ✓ Customer pays for the sales tax at the time of the purchase.
- Redeem installation vouchers through participating installers – valued at up to \$150 each.
 - ✓ Professional installation is required, but customers only pay for labor over the voucher value.
- Commercial customers are eligible for two (2) vouchers each per eligible water meter.
 - ✓ Twelve months of historical water usage through the meter is required for eligibility.

2) Irrigation System Upgrades

Improve water efficiency by replacing fixed spray heads with drip irrigation or high-efficiency nozzles that apply water at a slower rate to reduce run off and over-spray. Replace spray bodies with pressure reducing stems to avoid misting. Install check valves to prevent water from draining out of the pipes on slopes. Rotors already in use on large fields are water efficient and not eligible for replacement funding.

- Receive a rebate credit on your water bill of up to \$450 per eligible water meter for pre-qualified upgrades to your irrigation system, including:
 - ✓ Up to \$300 for material costs, and the sales tax; and up to \$150 for a licensed landscape contractor to install the upgrades; OR
 - ✓ Use the maximum rebate amount of up to \$450 for materials, and self-install the upgrades.
- Receive up to \$400 per eligible water meter for a weather-based irrigation controller (described above) instead of using vouchers – these incentive programs cannot be combined at the same site.
 - ✓ You may self-install the controller or use the labor rebate of up to \$150 for a licensed landscape contractor to do the install, but there is a limit of only one rebate for labor.
- Maximum rebate is \$850 per eligible water meter for improvements identified during the water survey.
 - ✓ Rebates must be applied at the specified site and may not be combined.



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C) SUBMETERING

1) Landscape Submetering

- CUSTOMER FUNDED SUBMETER – You can better manage your landscape irrigation demands and reduce your sewer commodity charges by installing a submeter downstream of your existing water meter. A submeter measures the water used for irrigation only so it can be separated from the water being used in the building. Future sewer charges are then based on the building usage only.
 - ✓ Customer submits a simple drawing that shows the location of the existing meter and the proposed submeter, along with a \$150 check for the plan review and site inspections.
 - ✓ Once the site is approved, customer completes a service application and pays a \$500 materials deposit for a ¾-inch meter (deposit increases for larger meters).
 - ✓ Customer picks up submeter from the EID warehouse on Mosquito Road in Placerville, and installs it at the approved location in accordance with EID's standard drawing (provided).
 - ✓ EID inspects the installation; and a new account is established after the final inspection.
 - ✓ Submeters are subject to their own bi-monthly base charge.

- GRANT FUNDED SUBMETER WITH ET CONTROLLER - If the minimum requirement of 5,000 square feet of irrigated landscape is met, and the customer agrees to convert their existing irrigation controller to a weather-based controller (described in B-1), then grant funding is currently available. Offered for a limited time only as the grant expires at the end of 2012. Applications need to be submitted by 10/15/12 in order to complete both of these improvements by 12/15/12.
 - ✓ Customer submits a drawing, but the inspection fee is waived.
 - ✓ After approval, customer signs the service application and the grant agreement, but the submeter assembly is paid for by the grant.
 - ✓ Customer picks up the submeter and installs it in accordance with EID's standard drawing.
 - ✓ EID inspects the installation; and a new account is established after the final inspection.
 - ✓ Grant funded submeters are also subject to their own bi-monthly base charge.
 - ✓ Customer issued a \$1,000 voucher for the purchase of a weather-based irrigation controller; and a \$300 voucher for professional installation and programming.
 - ✓ Customer agrees to use the weather-based irrigation controller for a period of 5-years.

2) Mixed-Use Tenant Submetering

- CUSTOMER FUNDED BUILDING SUBMETERS - The owner of a multi-tenant commercial complex can purchase and install individual submeters to measure the actual water usage of their tenants.
 - ✓ The tenant's type of business, along with their metered usage, can then be used to determine the appropriate sewer strength and corresponding wastewater rate.
 - ✓ A building submeter is subject to both the water and wastewater base charge.
 - ✓ Building submeters must be installed in the ground outside – no inside installations.