

Get Credit for Green Building

Reduce your Water Demand Offset (WDO) fees for your new or expanded water service by going beyond the minimum District requirements with toilets, showerheads, washing machines etc. The WDO Green Credit Program reduces project costs for the developer and water costs for the end user.

What Qualifies for Green Credit?

Your project's water demand will be reduced according to the following categories; Blue, Silver, Gold or Platinum, plus options A-E. A calculated percentage of expected water to be saved is applied to your project's overall water demand which lowers the WDO fees. Shown below are the fixtures or measures with the associated water saving category required to qualify for green credit. The "Blue" through "Platinum" categories must be selected in their progressive order. Savings in the table below are cumulative.

Blue: Ultra high-efficiency toilets (UHET) that use 0.8 gallons or less per flush (gpf).

Silver: Showerheads with a flow of 1.5 gallons per minute (gpm) or less.

Gold: Bathroom faucets with a flow of 1 gpm or less.

Platinum: No turf (turf is a ground cover surface of mowed grass.) and **no overhead spray** irrigation for the first 5 years.

Low to moderate water-use plant species and permeable hardscape are recommended.

Options A through E may be added to the project for more green credit or be chosen independently of the other water conserving categories. Savings are not cumulative.

Washing machines with a *Water Factor* of 4.5 or less. Water factor is the number of gallons per cycle per cubic foot of water.

Hot-water recirculation systems that are on a timer or a self activated system.

Weather-based irrigation controllers

Graywater rough plumbed or connected to a subsurface irrigation system

Measure proposed by applicant: you have the option of proposing a water saving measure. Custom water savings and offset credits will be calculated.

Green Credits Save Money

The table below demonstrates the water and cost savings for a typical single-family residence by implementing green measures. Besides the immediate dollar savings from having to pay for less water demand offset fees, there are other benefits.

Many land use agencies offer green building points for water saving measures. The long-term benefits of better water-use efficiency in your development includes lower water, wastewater and energy bills, while preserving the health and sustainability of the aquifers that provide our water. The costs, number of fixtures and turf area in the table below are approximations based on a single family residence paying a fee of \$18,000 per acre-foot of offset water. Exact savings will vary depending on the size of the development, which options are chosen and cost of fixtures.

How to Apply

Decide what category best fits your development and fill out the Residential Green Credit Application. Submit the application to District staff for review and to calculate your water savings and monetary savings from going green. If you have any questions please call 475-8500.

Potential money saving examples for a typical single-family residence

Options A-E are not cumulative. The cost and number of fixtures and turf area are approximations based on a single family residence paying a WDO fee of \$18,000 per acre-foot of offset. *For approximate net savings and the long term benefits see paragraph above: "Green Credits Save Money."

Water Saving Category	Green Measures Included	Additional cost for measure	% Water savings	Cost savings from a lowered WDO fee.	Approx. net savings with Green Credits*
Blue	Ultra High-Efficiency toilets (.8 gpf)	\$50	Cumulative 5.1%	Cumulative \$317	Cumulative \$267
Silver	Blue + showerheads (1.5 gpm)	\$0	7.6%	\$473	\$423
Gold	Silver + bathroom faucets (1 gpm)	\$3	8.9%	\$558	\$505
Platinum	Gold + no turf (no overhead spray)	\$0	14.6%	\$915	\$862
Option A	Weather-based irrigation controllers	\$150	Not cumulative 2.4%	Not cumulative \$150	Not cumulative \$0
Option B	HE clothes washers (4.5 water factor)	\$100	3.6%	\$226	\$126
Option C	Hot-water recirculation system	\$600	1.7%	\$106	- \$494
Option D1	Graywater (rough plumbed)	\$500	1.0%	\$63	- \$437
Option D2	Graywater (connected to irrigation)	\$2500	4.0%	\$251	- \$2,249
Option E	Measure proposed by applicant	Water savings, cost savings, and fixture or measure eligibility will be determined by staff on a case-by-case basis.			

Property owner's name	Last name or company name	First name (if applicable)
Property location	Street and City	Assessor's Parcel Number (APN)
Contact person	First and last name	Title (if applicable) <i>example: project manager</i>
Phone and e-mail	phone number	e-mail address

GREEN MEASURES

Check appropriate green measures for your development

Questions? Call 475-8500 for more information

Category	Green Measures Included	Cumulative % Water Savings	Total % water savings
<input type="checkbox"/> Blue	Ultra High-Efficiency Toilets (0.8 gpf or less)	5.1%	
<input type="checkbox"/> Silver	Blue + shower (1.5 gpm or less)	7.6%	
<input type="checkbox"/> Gold	Silver + faucets (1.0 gpm or less)	8.9%	
<input type="checkbox"/> Platinum	Gold + no turf and no overhead spray irrigation	14.6%	

Other water saving measures

		Not cumulative	
<input type="checkbox"/> Option A	Weather-based irrigation controller	2.4%	
<input type="checkbox"/> Option B	Clothes washer with 4.5 Water Factor or less	3.6%	
<input type="checkbox"/> Option C	Hot water recirculation system	1.7%	
<input type="checkbox"/> Option D1	Graywater (rough plumbed)	1.0%	
<input type="checkbox"/> Option D2	Graywater (connected to an irrigation system)	4.0%	
<input type="checkbox"/> Option E	Proposed measure, custom calculations for water savings and WDO % factor		

Total % Water Savings from Categories and Options A-E

% Water Savings based on a typical single family residence.

CALCULATIONS

$$100\% - \frac{\text{Total \% water savings}}{\text{Total \% water savings}} = \frac{\text{WDO \% reduction factor}}{\text{WDO \% reduction factor}} \times \frac{\text{Offset required (acre feet)}}{\text{Offset required (acre feet)}} = \frac{\text{WDO Offset after green measures}}{\text{WDO Offset after green measures}}$$

$$\frac{\text{WDO Offset before green measures}}{\text{WDO Offset before green measures}} \times \frac{\text{Current WDO fee per acre foot}}{\text{Current WDO fee per acre foot}} = \$ \frac{\text{WDO fee without green credit}}{\text{WDO fee without green credit}}$$

$$\frac{\text{WDO Offset after green measures}}{\text{WDO Offset after green measures}} \times \frac{\text{Current WDO fee per acre foot}}{\text{Current WDO fee per acre foot}} = \$ \frac{\text{WDO fee with green credit}}{\text{WDO fee with green credit}}$$

Cost savings \$ _____

VERIFICATION (District use only)

Green Credit Approved Denied (If denied, indicate reason)

By: _____ Date _____

Notes: _____

Inspection/ approval

Inspected by _____ Date _____