



Irrigation System Upgrade Rebate Program for Commercial & Multifamily Customers



As part of the Tucson Water's Plan 2000-2050, the utility identified the need to enhance its conservation programs to further reduce the water demand predicted in the Plan. A Community Conservation Task Force selected twenty-two conservation strategies, including an Irrigation System Upgrade Rebate to reduce commercial water use. This rebate is available for businesses that want to improve their irrigation system functioning to save water and money.

There are two stages to this rebate program:

Stage One is an Irrigation System Analysis that rebates a sub-meter installation and a Pre-Audit.

In order to qualify for the program, irrigation systems must be functioning at a 45% or less Distribution Uniformity (D.U.) which is a low watering efficiency level.

Stage Two is a System Improvement Rebate for a weather-based and/or soil moisture sensor-based controller (see definition of terms and approved controller list), multi-stream sprinkler rotor heads and a Post-Audit.

Available Rebates:

- 1/3 of cost will be reimbursed (\$250 for every \$750 spent)
- \$5,000 available per location
- Limited funds are available

Each application must include:

Stage One 1. Application form

Application 2. Receipt for sub-meter installation

3. Pre-audit results. Pre-audit results must show a D.U. of **45% or less**. Only customers who have pre-audit D.U. results <45% are eligible for the program. Customers must also complete a sub-meter installation to receive the rebate.

Stage Two 1. Application form

Application 2. Receipts for sprinkler heads, weather-based, and/or soil moisture sensor-based controller

3. Post-audit results

4. Post-audit must show target D.U. of **60-65% or more**.

Items that will be rebated:

Stage 1 1. Audit (Pre)

Rebate 2. Irrigation sub-meter (private or Tucson Water)

Stage 2 3. Multi-stream sprinkler rotor heads

Rebate 4. Smart/Evapotranspiration (ET) or soil moisture sensor-based irrigation controller

5. Audit (Post)

Rebate Process:

1. Confirm eligibility by scheduling a visit with Tucson Water staff, 837-2187.
2. Install irrigation sub-meter.
3. Conduct pre-audit, keep copies of receipts and audit results. Pre-audit results must show D.U. of 45% or less to qualify for remainder of rebate items.
4. Complete Pre-Application Form.
5. Purchase and install sprinkler heads, controller, and/or soil moisture sensor. Keep copies of receipts.
6. Conduct post-audit and make adjustments to meet a minimum D.U. of 60% for fixed spray heads or 65% for rotors. Keep copies of audit results.
7. Schedule verification meeting with Tucson Water staff.
8. Submit the completed application form, copies of receipts/invoices and audit results.
9. Please allow 6-8 weeks for the rebate check to arrive.

Soil Moisture Sensor and Controller Requirements:

1. Must be a weather-based controller or soil sensor.
2. Must have % Reduction Capabilities based on % ET.
3. See approved list of controllers and sensors.



**Irrigation System Upgrade Rebate Program
for Commercial & Multifamily Customers**
Irrigation System Analysis Rebate • Stage One Application



Property Name: _____ Owner Name: _____

Management Company Name: _____ Applicant Name: _____

Property Address: _____ Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Email: _____ Water Account #: _____

Meter reading before sub-meter installed: _____ Meter reading before pre-audit: _____

Total Lot Area: _____ Total Irrigated Area: _____

Total Irrigated Turf Area: _____ Total Irrigated Non-Turf Area: _____

Reason this property needs improvement: _____

Pre-Audit Results Summary: _____

Sub-Meter Information

Number of Meters: _____ Date Installed: _____ Meter Size: _____ Installed By: _____

- Pre-audit results attached (include auditor name & contact information; map or photos of audited areas)
- Sub-meter receipt attached

Overall % Distribution Uniformity (D.U.): _____

Expected Scope of Work & Timeline (i.e. replace sprinkler heads to match, repair leaking valves, replace brok sprinkler heads):

How did you hear about this Program?

Water bill/newsletter Email City employee Media Other: _____

I have read, understand, and agree to the requirements of the Rebate Program. I certify under penalty of perjury that the information on this Application is true and correct. By signing this form, I agree to the terms and conditions set forth below: Tucson Water and the City of Tucson do not warrant or assume any liability for the design, manufacturer, installation or operation of a smart controller, submeter, or irrigation parts obtained during this program. The City of Tucson does not warrant, enforce or assume liability for the quality, performance or safety of the installer, contractor or dealer, its employees, or agents related to a purchase or installation under this program.

Customer Signature _____ Print Name _____ Date _____

Mail or Fax completed application with dated audit results. Only complete applications submitted with applicable reports will be processed. **Fax: 520- 791-5041. Phone 791-4331.**

Tucson Water, MultiFamily Irrigation System Upgrade Rebate, Public Information Office, P.O. Box 27210, Tucson, AZ 85726-7210



**Irrigation System Upgrade Rebate Program
for Commercial & Multifamily Customers
System Improvement Rebate • Stage Two Application**



Property Name: _____ Owner Name: _____

Management Company Name: _____ Applicant Name: _____

Property Address: _____ Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Email: _____ Tucson Water Acct. #: _____

Meter Number: _____ Meter Reading before post-audit: _____

Improvements Made to the Property: _____

- | | |
|---|--|
| <input type="checkbox"/> Pre-audit results attached | <input type="checkbox"/> Post-audit report attached (include auditor's name & contact information; map or photos of audited areas) |
| <input type="checkbox"/> List of tasks completed | |
| <input type="checkbox"/> Controller and sprinkler receipts attached | |

Overall % Distribution Uniformity (D.U.): _____

BEFORE: _____ AFTER: _____

Smart Controller and/or Soil Moisture Sensor Information:

Make: _____ Model: _____ Serial Number: _____

Purchase Price: _____ Installation Date: _____

Signaling Service Period (3 yrs. Minimum): _____ Number of Active Stations: _____

Rain Sensor Make/Model _____ Rotor Head Make/Mode _____

Installation (who installed the rotor/sensor/controller?) Check one:

- Self Landscape Professional Other _____

Smart Controller Programming (Who programmed the sensor/controller?)

- Self Landscape Professional Other _____

I have read, understand, and agree to the requirements of the Rebate Program. I certify under penalty of perjury that the information on this Application is true and correct. By signing this form, I agree to the terms and conditions set forth below: Tucson Water and the City of Tucson do not warrant or assume any liability for the design, manufacturer, installation or operation of a smart controller, submeter, or irrigation parts obtained during this program. The City of Tucson does not warrant, enforce or assume liability for the quality, performance or safety of the installer, contractor or dealer, its employees, or agents related to a purchase or installation under this program.

Customer Signature: _____ Print Name: _____ Date: _____

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Weather-Based Irrigation Controller and Soil Moisture Sensor Information

Only controllers or soil sensors that have been tested by the Irrigation Association’s *Smart Water Application Technologies* (SWAT) protocol are eligible for rebates (listed below). For additional information about smart irrigation controllers and efficient landscape irrigation, see the Irrigation Association’s web site: <http://www.irrigation.org/smartwater/ia-tested.asp>

Qualified Controller Models

- Alex-Tronix Enercon Plus
- Aqua Conserve Aqua ET-9
- Cyber-Rain XCI
- Hunter ET System
- Irritrol Smart Dial
- Rain Master RME Eagle
- Toro Intelli-Sense
- WeatherTRAK
- Alex-Tronix Smart Clock
- Calsense ET2000e
- ETwater Smart Controller
- Hydrosaver ETIC
- Rain Bird ET Manager
- SMG Superior Controls Sterling 8
- Weathermatic SL1600

Qualified Soil Moisture Sensors

- Acclima Digital TDT Sensor
- Decagon ECH20 EC-5
- Irrrometer Watermark

Where to Buy

Smart and soil moisture sensor-based controllers are available through your landscape contractor, local irrigation supply stores, or directly from the manufacturer. Check the yellow pages or manufacturers’ web site for local dealers.

Tucson Water does not endorse or warrant the performance of any product listed above.

Definition of Terms

E.T. (Evapotranspiration) – The amount of water loss transpired through plants plus water evaporated from soil expressed as inches or feet of water.

D.U. (Distribution Uniformity) – The ratio of the average depth of irrigation water infiltrated in soil expressed as a percent. The ratio of precipitation in dry vs. wet areas measured using catch can devices.

Irrigation Audit – Irrigation audits consist of site inspection, performance testing and irrigation scheduling. Auditing is an effective tool for maximizing water use efficiency.

Irrigation Submeter – A separate water meter that will calculate water flow only from irrigation or outdoor water uses. The submeter is an integral tool in efficient water management.
