

Water Conservation Incentive Program

(revised June 2010)

Eligible Irrigation Equipment and Hardware

WATER SAVING DEVICE DESCRIPTION	MAXIMUM CREDIT	Irrigation Evaluation Requirement
“Smart” Irrigation Controller	50% not to exceed \$200.00	Required
Micro-Irrigation System Retrofits (i.e. Drip System)	50% not to exceed \$100.00	Required
Water Efficient Nozzle Replacement	50% not to exceed \$200.00	Required
Soil Moisture Sensor	50% not to exceed \$100.00	Required
Rain Sensor	Provided by the City	Not Required
Irrigation System Evaluation	Provided by the City	N/A

General Eligibility and Guidelines

1. Please read all guidelines and incentive information before applying.
2. Applicants must be an existing city water customer and built prior to May 21, 2008. New developments are not eligible. Accounts must be current and non-delinquent.
3. A pre-irrigation evaluation by the city may be required to determine eligibility. (If only applying for a rain sensor, a pre-evaluation is not required).
4. A legible copy of the receipt must be submitted before a rebate is issued. The receipt must indicate the products make, model and purchase date.
5. Eligible applicants will be required to purchase and install equipment within 30-days from approval of application.
6. Once installed, the applicant must contact the City to schedule an on-site inspection. Rebates will only be awarded after verification of proper installation.
7. Applicants receiving a rain sensor must contact the City within 30-days for verification of installation. If the City is not contacted within this period a \$20 fee will be applied to the utility bill account.
8. Rain sensors must be installed in a location where it will receive unobstructed natural rainfall.
9. Funding for this program is limited and will be provided on a first come, first serve basis.
10. Incentives will be awarded on a one (1) time basis to any physical address regardless of changes in property ownership.
11. Installation costs are not rebated.
12. The City is not responsible for product performance or water savings. No warranty or guarantee is provided.

Water Efficient Nozzle Replacement

To qualify, you must replace all nozzles controlled by a single irrigation valve. In other words, you must replace all of the spray heads assigned to a single “station” or “zone” on your irrigation controller.

Rotators emit water in a multi-stream that rotates across the landscape as it irrigates. A few important ways that rotators conserve water are by:

- Providing matched precipitation even after arc and radius adjustments.
- Applies water more slowly and uniformly than conventional sprays (ideal for slopes)
- Better wind resistance and less misting (less evaporation)

Rotators/ Water Conserving Sprays Approved :

Hunter MP Rotators:

All models - <http://www.mprotator.com/>

Rainbird “Rotary Nozzles”

R13-18 and

R17-24 Series

<http://www.rainbird.com/landscape/products/rotarynozzles/index.htm>

*All other models must be approved by the city for eligibility.

A few local distributors are:

Ace Hardware Apopka 407-889-4111- Rainbird

Home Depot Apopka 407-464-1808- Rainbird

Imperial Building Supply (IBS) Apopka 407-889-4147- MP Rotators

John Deere Landscape Irrigation Clermont 352-242-1126- MP Rotators, Rainbird

Lowes Apopka 407-814-2763- Rainbird

TWC Distributors Apopka 407-889-0212- MP Rotators

Florida Irrigation Supply – MP Rotators

Plant bed micro-irrigation retrofits

Micro- Irrigation Systems applies water directly to plants root base where the water is needed and minimizes inefficient water use.

To qualify, micro- irrigation must be installed to all plant bed areas controlled in a single “station” or “zone”. All spray heads in the plant beds must be retrofitted with micro-irrigation (i.e. Drip system) The irrigation zone must be separate from any area that irrigates turf. A pressure regulator is required installation for micro-irrigation zones. Use of any major manufacturer is approved.

“Smart” Irrigation Controllers

Eligible products must meet the following criteria: System must monitor and use environmental conditions for a specific location and landscape - information such as water needs of specific plants, plants root depth, type of soil, plants microclimate (sun or shade), slope, irrigation method, and daily weather conditions. Must be installed with a rain shut-off device and be equipped with a battery backup.

To learn more about Smart Irrigation Contollers, visit the Irrigation Association’s website:

<http://www.irrigation.org/smartwater/>

*Professional installation is highly recommended

Smart Controller List of Eligible Products

ET Water Systems	All models	www.etwater.com
Hunter Industries	ET System	http://hunterindustries.com/products/controllers/etintro.html
HydroPoint Data Systems	All models (WeatherTRAK)	www.hydropoint.com
Irritrol	Smart Dial	www.irritrol.com
Rain Bird	ESP SMT Smart Controller System	http://www.rainbirde.com/spsmt.com/pdf/esp-smt/Sales_Brochure.pdf
Rain Bird	ET Manager	www.rainbird.com
Toro	Intelli-Sense	www.toro.com
Weathermatic	Smartline	www.weathermatic.com

*This List is subject to change

Soil Moisture Sensor

Soil moisture sensor (SMS) controllers measure soil moisture content where it is most vital to plants: in the active root zone. SMS systems connect to irrigation controllers and check soil moisture content prior to scheduled irrigation events. If the SMS controller determines that soil moisture content is above a user-defined set point, the irrigation cycle is bypassed. This allows SMS controllers to function similarly to rain sensors and bypass irrigation during rainy periods, but also to minimize irrigation when plants do not

require additional water. Under ideal conditions, a properly working SMS controller does not stress plants or decrease turf grass quality because it allows the irrigation system to apply the amount of water actually needed to meet plant water requirements. To provide maximum efficiency, a rain sensor must also be functioning on the property. To learn more visit:

<http://edis.ifas.ufl.edu/ae437> or

http://www.sjrwmd.com/floridawaterstar/pdfs/SMS_field_guide.pdf

Rain Sensors

Rain Sensors are devices designed to override an irrigation system when adequate rainfall has occurred. Rain Sensors will be provided to customers by the City. Residents will have 30 days to have the rain sensor installed. Rain sensors must be set to shut-off at ½ inch of rainfall or less. Rain Sensors must be placed where it will receive unobstructed natural rainfall. Once installed, the resident must contact the Public Services Dept by phone or email to schedule an inspection of proper installation. After 30 days, if not installed a fee of \$20 will be applied to the customers utility bill.

Irrigation System Evaluation

The City will provide irrigation system evaluations to include proper irrigation controller settings, checking rain sensors setting, checking for any clogged, buried, broken, and misdirected sprays, and provide tips on how to lower water usage. The City will provide an irrigation worksheet to residents along with waterwise material (i.e. Waterwise plant book, irrigation maintenance brochure, etc.)

City of Apopka

Water Conservation Incentive Program Application

- City staff must conduct a irrigation evaluation prior to applying for a rebate. Call 407-703-1731 or email Jschilling@apopka.net to schedule the evaluation.
- Read all guidelines and incentive information before applying
- Rebates are for approved upgrades of existing irrigation systems prior to May 21, 2008.
- Rebates do not include sales tax or installation costs.
- Send Application to City of Apopka Public Services Dept, Attn: Water Conservation, 748 E. Cleveland St, Apopka FL 32703. Email Jschilling@apopka.net or Fax 407-703-1748. *Please allow up to 14 days to process application.

Water Customer Information:

Name _____ Contact Number _____

Address: _____ Zip _____

Water Account # _____ # of Zones _____

Which items are you applying for?

	Cost	Maximum Rebate	Rebate Amount City Use only
_____ Micro-Irrigation System Retrofit (i.e. Drip System)	_____	50% up to \$100	_____
_____ Water Conserving Nozzle Replacement *Approved Nozzles: MP Rotators - All models Rainbird "Rotary Nozzles" - R13-18 and R17-24 Series	_____	50% up to \$200	_____
_____ "Smart" Irrigation Controller *Must be on the Smart Controller List of Eligible Products or approved by the City.	_____	50% up to \$200	_____
_____ Soil Moisture Sensor	_____	50% up to \$100	_____
_____ Irrigation Evaluation - Provided by the City			
_____ Rain Sensor - Provided by the City			

Rain Sensor Agreement
 I agree to have the City issued Rain Sensor installed within 30 days and contact the City's Public Services Department to inspect the installation. The rain sensor will be installed in a location where it will receive unobstructed natural rainfall and be set to override the irrigation system at 1/2" of rainfall or less. I understand that a \$20 fee will be applied to my utility bill if the above requirements are not completed.

Water Account Customer Signature _____ Date _____

Funding for this incentive program is limited to available resources. Incentives are processed on a first come, first served basis. The City may deny any application that does not meet all of the program requirements. The City reserves the right to modify the incentive program at anytime. A legible copy of the sales receipt must be provided prior to issuance of any rebate.

I certify that the information on this application is true and correct and that I have read, understood, and agree to the Water Conservation Program Guidelines. Once the existing system is modified, I agree to properly maintain the system to keep it working at its most efficient level.

 Water Account Signature _____
Date

City Use Only
 Pre-Evaluation Date: _____ Verification Date: _____ Approved: _____

Comments: _____