

## Background

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The Town of Davie Utilities is continuing to recognize the need to provide its residents with Reclaimed Water supplies. The Reclaimed Water program provides the Town of Davie community with new sources of clean water while promoting water conservation, energy efficiency and environmental stewardship. Reclaimed Water is a clear and odorless high-quality water source, which can be used for irrigation, agricultural research and industrial uses.

Reclaimed Water meets over 95% of the standards for Drinking Water and it is the product of the Town of Davie Utilities advanced Water Reclamation Facility (WRF), which became operational in 2013. The Town of Davie Utilities has one of the most progressive Reclaimed Water programs in the nation and has been recognized with the 2016 David W. York Water Reuse Facility of the Year Award (1 to 5 MGD category) from the Florida Water Environment Association. The promotion of water conservation is an important objective for the Town of Davie.

*"If the water is life... water conservation and reuse must be our way of life."*

*-David W. York, Ph.D., P.E.  
Water Reuse Expert  
Source: FDEP*

## Reclaimed Water Availability and Use

Reclaimed water is wastewater that has been treated and transformed into a product that meets standards normally applied to drinking water. The reclaimed water can be delivered to homes and businesses through an underground distribution system entirely separate from the drinking water. Reclaimed water pipelines are colored purple, to help to keep them distinct from potable water lines. Purple color is the universal symbol of reclaimed water. Connecting to the Reclaimed Water distribution system and changing a water source helps to save drinking water supplies and money. Conserving water and preserving the local environment shows foresight in planning for a better tomorrow.

The Town of Davie Utilities is committed to implementing programs which preserve and improve the quality of life for its residents. Our Utilities are involved in many other programs besides the Reclaimed Water, which also saves a significant amount of water. Programs include leak detection, remote reading water meters replacement, water sense high efficiency toilets rebates—"Rebate Me", participation in Sunshine State One-Call of Florida (SSOCOF) and the Broward County Water Partnership "Conservation Pays" program.

For more information please visit:

[www: conservationpays.com](http://www.conservationpays.com)

*Reclaimed Water is  
a reliable, safe alternative water supply,  
use it again Town of Davie!*

# 2017 Reclaimed Water Report

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## Town of Davie Utilities

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- ♣ The Town of Davie Utilities provides Reclaimed Water customers with copy of Annual Reclaimed Water Report
- ♣ For more information on Reclaimed Water availability, treatment and usage please visit the Town of Davie website at: [www: davie-fl.gov](http://www.davie-fl.gov)

Town of Davie Utilities Department:  
7351 SW 30 Street, Davie, Florida 33314  
Phone: 954-327-3742



*Town of Davie Utilities  
Water Reclamation Facility (WRF)*

♣ Yes, You Can....

Use Reclaimed Water instead of Drinking Water for landscape, parks and golf courses irrigation.

♣ Yes, you Can...

Use Reclaimed Water wisely and the guidance provided by your local utility.

♣ Yes, You Can....

Replace your old toilet with a WATER SENSE approved high efficiency toilet.

♣ Yes, You Can....

Replace your shower head with ULTRA LOW FLOW model.

♣ NOVA Southeastern University (NSU) is using reclaimed water for irrigation.

♣ University of Florida (UF) is using reclaimed water for research .

♣ The own of Davie Utilities is using Reclaimed Water for irrigation and industrial usage.

♣ 100% of toilets at Town of Davie Utilities at W the Water Treatment Plant & Water Reclamation Facility are flushing with

Reclaimed Water Use Capacity and Quality

♣ The Water Reclamation Facility permit capacity is 3.5 million gallons per day (MGD).

♣ More than 10% = 1.5 million gallons per day (MGD) of wastewater is reused.

♣ Reclaimed Water meets current U.S. Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) wastewater standards.

♣ Although Reclaimed Water is not required to meet Drinking Water Standards, the analysis is performed annually by the Town. In 2017, the Town's Reclaimed Water met all drinking water standards, with the exception of fecal coliforms on 3 occasions (see table below).

♣ Reclaimed Water was produced in compliance with its FDEP permit requirements except for three observations\* with fecal coliform during the 2017 reporting period.

| Parameter             | Observation | FDEP Permit Allowances | Drinking Water Standards Allowances |
|-----------------------|-------------|------------------------|-------------------------------------|
| <b>Fecal Coliform</b> | <b>3*</b>   | <b>25max/100mL</b>     | <b>0</b>                            |

\* Observations do not have to meet Drinking Water Standards, Maximum allowances by permit is 25 Fecal Coliform for 100mL. Permit also requires 75% of observations less than max allowances .



**Map of Reclaimed Water Availability:**

- ♣ NSU (Main Campus)
- ♣ UF

*\*Town of Davie G&CC connection pending\**

*"Up to 50% of a community's drinking water is used for irrigation. Much of this irrigation water could be replaced with reclaimed water".*

*Source: SFWMD & FDEP*