



FY2020

Water Conservation Summary Report

Southwest Florida
Water Management District



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I. EXECUTIVE SUMMARY

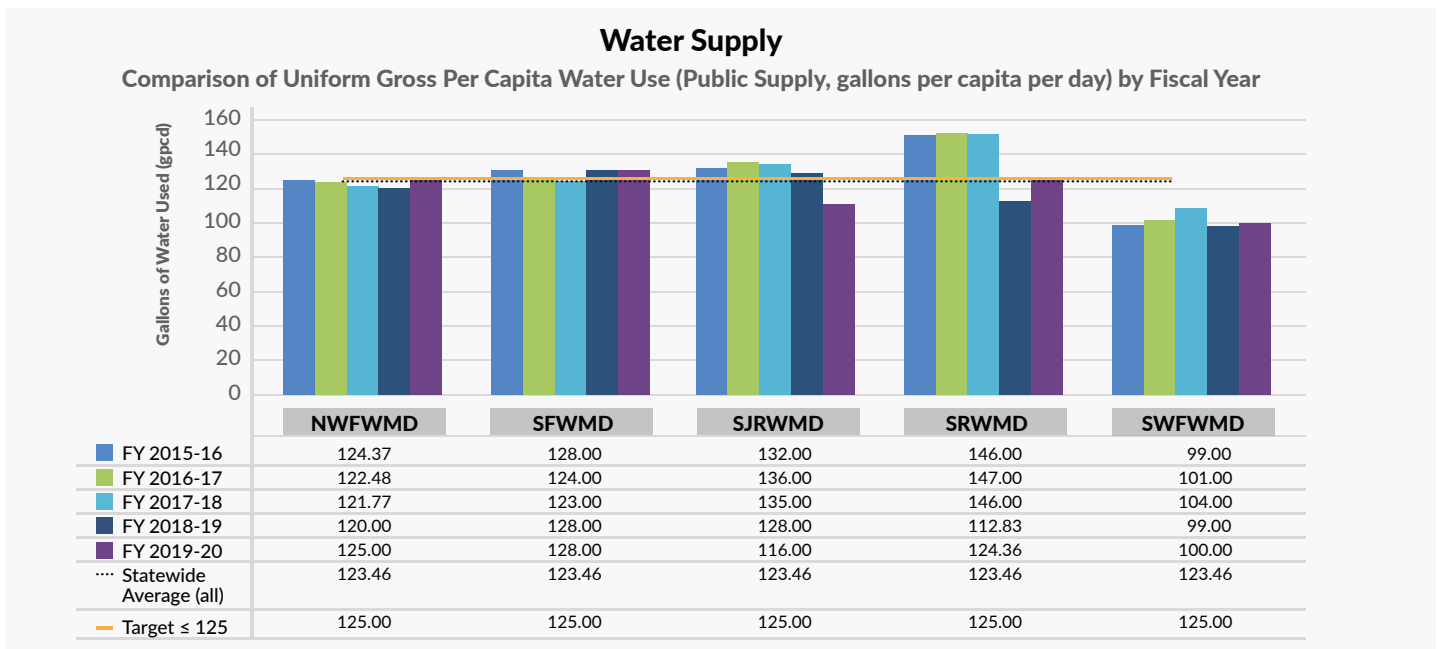
Water conservation is a key component of the District's mission to ensure the public's water needs are met and is one of the 11 Strategic Initiatives outlined in the District's 2020-2024 Strategic Plan. Within the Conservation Strategic Initiative, the District's goal is to enhance efficiencies in all water-use sectors to ensure beneficial use.

Water use data provides evidence of the District's continued commitment to water conservation. For several years, the District has maintained the lowest public supply per capita rate in the state, currently at 100 gallons per day (see Figure 1). While the population in the District has grown 150 percent over a 40-year period from 1975-2015, total water use has remained essentially flat at about 1 billion gallons per day due to increased conservation and development of alternative water supplies. Conservation is generally one of the most cost-effective tools of water supply planning for population growth, allowing the deferral of development of more expensive traditional or alternative water supply projects.

This report summarizes the District's water conservation efforts, including annual accomplishments and measurable water savings, for Fiscal Year 2020 (Oct. 2019–Sept. 2020). Information on reclaimed water or source substitution can be found in the District's Annual Reuse Report.

The following report covers conservation efforts throughout the District, including cost-share funding, technical assistance, the Water Conservation Initiative, education and outreach, research and regulation.

Figure 1. Comparison of Uniform Gross Per Capita Water Use by Fiscal Year (Source: Water Management District Performance Metrics for the fourth quarter of FY2019-20 by the Florida Department of Environmental Protection)



NFWMD = Northwest Florida Water Management District

SFWMD = South Florida Water Management District

SJRWMD = St. Johns River Water Management District

SRWMD = Suwannee River Water Management District

SWFWMD = Southwest Florida Water Management District

II. COST-SHARE FUNDING

Cooperative Funding Initiative

The Cooperative Funding Initiative (CFI) is a key program for building partnerships with external stakeholders, including local governments and regional water supply authorities. The CFI generally covers 50 percent of the costs of projects that help create sustainable water resources, enhance conservation efforts, improve water quality, restore natural systems, and provide flood protection.

The District has provided CFI funding assistance since 1988, with the first water conservation program funded in 1991. In recent years, District staff have actively worked to encourage more conservation programs, particularly retrofit programs and outdoor water conservation. Conservation projects are generally more cost effective in comparison to other types of CFI projects related to water supply.

Common indoor conservation programs include toilet rebates for converting to high-efficiency models and conservation kits that include low-flow showerheads and faucet aerators. Common outdoor water conservation programs include irrigation system evaluations, landscape and irrigation enhancements, and irrigation smart controllers. Additional program types eligible for CFI funding are line looping, advanced metering analytics, Florida Water StarSM builder rebates and industrial/commercial-related efficiency improvements.

Table 1. FY2020 CFI Conservation Projects

County	Project #	Cooperator	Title	Total Costs	District Costs	Estimated Savings (gpd*)
Pinellas	Q068	City of Tarpon Springs	Toilet Rebate Phase 1	\$20,000	\$10,000	2,547
Citrus	Q070	Citrus County	Irrigation Controller Phase 3	\$90,000	\$45,000	26,474
Manatee	Q073	City of Palmetto	Toilet Rebate	\$40,000	\$20,000	41,827
Hillsborough	Q074	Temple Terrace Golf Course	Advanced Irrigation System	\$510,000	\$255,000	47,449
Pasco	Q078	Pasco County	Toilet Rebate Phase 13	\$100,000	\$50,000	13,956
Multi-County	Q087	Tampa Bay Water	Demand Management Plan**	\$1,099,550	\$549,000	280,000
Pinellas	Q089	City of St. Petersburg	Sensible Sprinkling Program Phase 9	\$100,000	\$50,000	56,000
Pasco	Q109	Pasco County	Satellite Based Leak Detection Study	\$60,000	\$30,000	100,000
Manatee	Q111	Manatee County	Toilet Rebate Phase 13	\$151,000	\$75,000	26,380
Sarasota	Q126	City of Venice	Toilet Rebate and Retrofit Phase 7	\$58,900	\$29,450	4,990
Total				\$2,229,450	\$1,113,450	599,623

* gallons per day

**Tampa Bay Water's regional demand management plan, Tampa Bay Water Wise, encompasses a multitude of water conservation initiatives in partnership with six member governments. Initiatives include rebates for high efficiency toilets, smart irrigation controllers, Florida Water StarSM certification, cooling tower improvements and more.

Facilitating Agricultural Resource Management Systems Program

The Facilitating Agricultural Resource Management Systems (FARMS) Program is an agricultural cost-share reimbursement program that reduces groundwater withdrawals from the Upper Floridan aquifer through conservation and alternative water supply best management practices (BMPs). The program is designed to serve as an incentive to the agricultural community to conserve groundwater use and promote resource sustainability. FARMS reimbursement can amount to 50-75 percent of total project costs for eligible BMPs.

FARMS is a public/private partnership developed by the District and the Florida Department of Agriculture and Consumer Services (FDACS). FARMS includes both conservation and alternative water supply projects. Within FARMS is also the Mini-FARMS Program. Mini-FARMS provides cost-share funding for agricultural operations of 100 irrigated acres or less. The same principles of the FARMS program apply.

In FY2020 FARMS approved two water conservation related projects with a total estimated savings of 60,000 gpd (see Table 2). Mini-FARMS approved 31 conservation related projects with a total estimated savings of between 100,000 gpd and 120,000 gpd (see Table 3). More information on the FARMS program can be found in the FARMS Biennial Report.

Table 2. FARMS Conservation Projects Approved FY2020

Project # / Name	County	District Share Reimbursement	Estimated Water Savings (gpd)
H781 – Tippen Bay Properties – Phase 3	DeSoto	\$40,125	30,000
H780 – Creekside Nursery	Pasco	\$161,500	30,000
Total		\$201,625	60,000



A soil moisture sensor that relays readings back to a central control unit to indicate irrigation needs to the grower.

Table 3. Mini-FARMS Conservation Projects Approved in FY2020

Project #	County	District Share Reimbursement
WMD 201 The Doc Applications	Polk	\$5,197.16
WMD 206 E.W. Simmons	Hillsborough	\$1,955.44
WMD 207 E.W. Simmons	Hillsborough	\$1,955.44
WMD 208 Bonnie Blue Farm	Hillsborough	\$8,000.00
WMD 210 Jim Myers Bamboo	Manatee	\$8,000.00
WMD 211 Jim Myers Bamboo	Manatee	\$7,786.76
WMD 212 Sun Bulb Co Inc.	DeSoto	\$8,000.00
WMD 213 Jerry Mills III	Levy	\$3,521.25
WMD 214 Norman Noble	Levy	\$1,293.75
WMD 215 Suncoast Nursery	Manatee	\$3,555.49
WMD 216 Southern Citrus Nurseries LLC	Polk	\$7,320.75
WMD 217 Enza Zaden Research USA Inc.	Manatee	\$2,123.25
WMD 218 Bears Den Groves Inc.	Highlands	\$1,953.03
WMD 219 Thelma C. Raley Inc.	Highlands	\$1,953.03
WMD 220 Bowlegs Creek Groves LLC	Polk	\$5,985.00
WMD 221 J2 Groves LLC - Williams Grove	Hardee	\$1,496.25
WMD 222 DeVane Citrus Inc. - Jones, Serdynski S & E Blocks	Polk	\$8,000.00
WMD 223 DeVane Citrus Inc. - Bentley, Bass, Bennett	Polk	\$7,481.25
WMD 224 Kenneth DeVane Groves Inc. - Ft. Green	Hardee	\$5,985.00
WMD 225 Kenneth DeVane Groves Inc. - Shirley, Wetherington, Zoffay 40	Polk	\$8,000.00
WMD 226 Bears Den Groves Inc. Phase 2	Highlands	\$1,118.20
WMD 227 Thelma C. Raley Inc. Phase 2	Highlands	\$1,118.20
WMD 229 Floyd DeVane Rev Trust - Lyle, Lewis, Newsome	Polk	\$8,000.00
WMD 230 Floyd DeVane Revocable Trust - Alturas, West	Polk	\$4,488.75
WMD 231 Jason DeVane Weyand Henry Lake	Polk	\$1,496.25
WMD 232 DeVane Groves - Dawes, Harolds - B	Polk	\$2,992.50
WMD 233 DeVane Groves - Buffum/Crews, Sellers, Serdynski	Polk	\$4,488.75
WMD 234 Kenneth DeVane Geiger, Graves, Walker Nursery	Polk	\$5,985.00
WMD 235 Franberry Farm LLC	Hillsborough	\$1,425.00
WMD 209 Red Berry Ranch	Hillsborough	\$6,750.00
Total		\$137,425.50

III. UTILITIES SERVICES

Utilities Services Group

The District's Utilities Services Group assists public water utilities in increasing system efficiency and reducing system losses. It includes the following services:

- Leak detection surveys
- Water audit guidance and evaluation
- Meter accuracy testing
- Flushing reduction assistance

Since inception of the program in 1990, the leak detection team has conducted 155 leak detection surveys throughout the District, locating 1,554 leaks of various sizes, with an estimated 5.9 million gallons per day (mgd) of potential water savings. In FY2020, two satellite leak detection CFI projects were completed with a combined savings of 210,000 gpd (see Table 1)¹ and one leak detection survey was completed (see Table 4). The Utilities Services Group operated in a limited capacity during FY2020 due to staffing changes and COVID-19.

Table 4. FY2020 Utilities Services Group Activity

Program*	Quantity Conducted	Results
Leak Detection Surveys	1	Estimated 2,880 gpd water savings identified

**Please refer to Table 1 for utilities services-related CFI projects.*

Mobile Irrigation Laboratory

The Mobile Irrigation Laboratory (MIL) is a cooperative project that is funded and managed by the District and operated by the United States Department of Agriculture – Natural Resources Conservation Service. The NRCS-MIL evaluates agricultural irrigation system efficiencies on a voluntary and confidential basis and provides help with new technology awareness. The District uses the MIL program to assist growers in reducing water use, which in turn provides cost savings to the grower. The water savings realized from implementing system improvements identified by the MIL evaluations can be significant per project and regionally benefits groundwater supply, while also helping to improve water quality.

The MIL has assisted with more than 1,400 systems since the project began and the agricultural community has provided a great deal of positive feedback concerning its value. The MIL project contract has been in place since the mid-1980s. Contracts are approved for five-year terms with funding at \$50,000 per year and a renewal contract is anticipated through 2024.

¹ One of the two leak detection projects completed in FY2020 is not included in the Table 1 CFI project list, as the funding was approved in FY2019.

Table 5. FY2020 Mobile Irrigation Laboratory Activity

Site Visits*	Total Acres Served	Potential Water Savings**
72	3,269	44.6 million gallons

*Site visits include, but are not limited to, system evaluations, catch can tests, pressure tests and new equipment install and training.

**Potential Water Savings are the annual savings that could be obtained if all improvements are implemented as recommended.

Water Conservation Project Cost Model

The Water Conservation Project Cost Model is a calculator available on the District's website that illustrates the potential effectiveness of various water conservation programs. The model is designed to calculate estimated program costs and water savings benefits associated with different water users and conservation measures. As a result, it can assist utilities in choosing projects that will provide the greatest benefits. In addition to standard costs associated with implementing a conservation measure, the model provides an option to include the costs for research and development, and equipment or training, if applicable.

Water-Conserving Rate Structures

The District works with utilities to adopt water-conserving rate structures to reduce per capita water use. These efforts assisted utilities in achieving a compliance per capita rate of 150 gallons per capita per day (gpcd) or less by the end of calendar year 2019 as identified in the District's Strategic Plan and rule². As the pricing of water can signal that potable water is an increasingly scarce and valuable resource, rate structures are one way to motivate customers to conserve. To estimate the effectiveness of a water-conserving rate structure, the District provides utilities with a free water rate simulation model, WATERATE2008. WATERATE is a planning tool that simulates how changes in water and sewer rate structures impact water revenues and water demand. As part of the projection, the model allows a revenue neutral evaluation. This takes into account the decrease in water demand that results from an increase in price.

Local Government Comprehensive Plan Amendment Reviews

The District reviews local government comprehensive plan amendments pursuant to Chapter 163, Part II, F.S., and Section 373.711, F.S. Conservation is promoted through technical assistance comments and recommendations that focus on proposed policy language and updates to Ten-Year Water Supply Facilities Work Plans. In addition, consideration of Florida Water StarSM, Florida-Friendly LandscapingTM and other water-conservation programs, methods and techniques are encouraged for land use changes that involve increases in residential density.

² Rule 40D-3.091 (a) which references the Water Use Permit Applicant's Handbook Part B (section 2.3.7.2)

IV. WATER CONSERVATION INITIATIVE

The Water Conservation Initiative (WCI) is an ongoing effort designed to maximize assistance to public suppliers and promote the implementation of best management practices to achieve conservation objectives within the District's Strategic Plan. Priority areas for the WCI are the Northern Region and Polk County. The WCI was established with the following objectives:

- Assist utilities within the District in achieving a compliance per capita rate of 150 gallons per capita per day (gpcd) or less by the end of calendar year 2019, as identified in the Strategic Plan and rule. This objective was completed in FY2020³.
- Assist utilities in the District to reduce regional per capita, as identified in the Strategic Plan.
- Identify public supply Water Use Permits (WUPs) expiring on a two-year basis to ensure internal and external coordination occurs prior to and during permitting to comprehensively evaluate potential conservation measures.
- Take feedback received from utilities and develop recommendations to improve the District's conservation efforts.

Divisions within the District with representatives on the Water Conservation Initiative Team (WCIT) include Regulation, Resource Management, Employee and External Relations and the Office of General Counsel.

Table 6. Water Conservation Initiative Activities FY2020

County	Activity	Outcome
Districtwide	Completed the second year of the Water Incentives Supporting Efficiency program	Approved nine projects in FY2020 with a total budget allocation of \$69,216.03
Districtwide	Completed the first year of the Conservation Education Program	Developed and implemented four projects and expended FY2020 budget of \$30,000
Inter-District	The District's Regulation Division coordinated with Water Supply staff to develop a compliance protocol for water use permits exceeding 150 gpcd	Produced compliance protocol document for identifying and addressing water use permits with compliance per capita above 150 gpcd
Districtwide	Compiled information on District water conservation related efforts and activities	Published FY2019 Water Conservation Summary Report

³ At the end of FY2020, 94 percent of utilities met a compliance per capita rate of 150gpcd or less. District staff continue to assist utilities above 150 gpcd.

Water Incentives Supporting Efficiency

The Water Incentives Supporting Efficiency (WISE) program is a 50 percent cost-share program aimed to financially incentivize water conservation projects with nonagricultural water users. WISE was initiated under the WCI based on the District's recognition for the need to offer an alternative funding opportunity for smaller projects that may not be supported through the CFI. This includes projects implemented by small utilities, hospitals, schools, prisons, homeowners associations, golf courses, hotels, manufacturers, food processing facilities and other commercial users.

In FY2020, the WISE program allocated \$69,216.03 across nine projects with a total estimated savings of 26,798 gpd. At a cost share of up to 50 percent, approved applicants were eligible to receive up to \$20,000 per project in District funds.

Table 7. WISE Projects Approved in FY2020

Project #	Project Name	County	District Share Reimbursement	Estimated Water Savings (gpd)
10	City of Crystal River Toilet and Irrigation Controller Rebates	Citrus	\$9,090.00	2,829
11	Best Western Ocala Toilet Replacement	Marion	\$12,481.00	1,453
14	Comfort Suites Ocala Toilet Replacement	Marion	\$7,379.00	996
15	Towneplace Suites Clearwater Toilet Replacement	Pinellas	\$7,614.50	769
16	Hernando County Schools Moton Deltona Toilet Replacement	Hernando	\$16,275.00	2,328
18	Las Palmas Smart Irrigation Controller	Sarasota	\$7,804.00	2,192
19	Hernando County Schools Springstead Toilet & Faucet Replacement	Hernando	\$4,095.18	1,861
20	Hernando County Schools Eastside Toilet Replacement	Hernando	\$1,722.00	671
21	Lakeland Oak Hill Burial Park Weather Station	Polk	\$2,755.35	13,699
Total			\$69,216.03	26,798

Conservation Education Program

The Conservation Education Program (CEP) provides utilities with support for educational projects that enhance existing efforts to increase residents' knowledge and behaviors that lead to water conservation. The CEP was developed through the WCI in response to utility feedback that residential education is needed to help reduce water use. Through the CEP, the District works with participating utilities to promote, develop, implement and evaluate approved projects.

The District launched the CEP in FY2020, allocating \$30,000 in support of four conservation education projects. Pre-surveys were conducted with the target customers of each utility at the start of the program to establish a baseline of attitudes and behaviors prior to project implementation. Post-surveys are currently being conducted with the same customers to assess self-reported behavior changes and attitudes after project implementation.

Table 8. CEP Projects FY2020*

Utility	Project Name	Project Components
Bay Laurel	Social Norms Based Water Use Mail-Out	<ul style="list-style-type: none"> • 3 water use mail-outs to high volume water users
Citrus County	Social Norms Based Water Use Mail-Out	<ul style="list-style-type: none"> • 2 water use mail-outs to high volume water users
Hernando County	Demonstration Turf-Swap Program	<ul style="list-style-type: none"> • 4 demonstration home sites • Virtual Florida-Friendly Landscaping™ workshop
The Villages	Water Conservation Media Campaign	<ul style="list-style-type: none"> • 3 newspaper advertisements • 1-month-long radio advertisement

*Quantitative and qualitative project evaluations will be completed during FY2021.



One of four home sites participating in Hernando County's CEP demonstration turf swap program aimed to reduce outdoor water use.

V. EDUCATION & OUTREACH

Water Conservation Programs

Florida Water StarSM

The Florida Water StarSM (FWS) program is a voluntary water conservation certification program for new residential and commercial construction and existing home renovation. The program encourages water efficiency in appliances, plumbing fixtures, irrigation systems and landscapes, as well as water quality benefits from best management practices in landscapes. The program was developed by the St. Johns River Water Management District in 2006 and became a statewide program in 2012.

Through the CFI, the District currently offers FWS rebates in select communities in partnership with local utilities. New homes and commercial buildings receiving FWS certification are eligible for the rebates. The following rebates were offered to builders within the District in FY2020:

- The Polk Regional Water Cooperative distributed 41 FWS rebates in the amount of \$700 each.
- Tampa Bay Water offered rebates in the amount of \$1,000 per home. During FY2020, District staff implemented the Tampa Bay Water Wise FWS rebate communications plan, created marketing pieces and conducted a FWS Accredited Professionals training at Tampa Bay Water to promote the rebates.

In addition to rebates, the District worked with the cities of Bartow, Lake Hamilton and Polk City to incorporate FWS certification and criteria into local building codes. District staff also attended approximately 40 builder, landscape and irrigation meetings to promote the FWS program.

An average FWS homeowner with outdoor irrigation can save up to 48,000 gallons of water each year and up to 6,560 gallons of water each year without irrigation. Since 2006, more than 2,280 properties have been certified by the District. In FY2020, the District certified more than 240 properties.

Table 9. FY2020 Florida Water StarSM Certified Properties List

County	Activity	Estimated Annual Water Savings (gallons) of Certified Homes
Hillsborough	Certified 56 properties	367,360
Marion	Certified 137 properties	4,262,481
Sarasota	Certified 8 properties	52,480
Polk	Certified 41 properties	1,275,633
Total		5,957,954

Florida-Friendly Landscaping™

Florida-Friendly Landscaping (FFL) is also part of the District's educational programs. It was created by the University of Florida's Institute of Food and Agricultural Sciences (UF/IFAS) to educate residents about landscape and irrigation principles that save water and protect water quality. The District promotes the use of FFL to members of the building industry, managers of community development districts and boards, homeowners associations, residents, and landscape and irrigation professionals through development and distribution of program publications and materials and staffing educational booths at FFL workshops and events. The District has supported this program since 2001.

Community Awareness Campaigns

The District has many community-wide outreach programs and awareness campaigns that focus on water conservation, watersheds and water quality. These include:

- **"Skip a Week" Campaign** – To encourage reduced irrigation during the winter months of January and February.
- **Water Conservation Month** – Throughout the month of April, the District works with local government partners to share the importance of water conservation and increase efforts to conserve water.
- **"Watch the Weather, Wait to Water"** – To encourage residents to watch the weather during the summer months of June, July, August and September to offset irrigation with rainfall.

Publications and Materials

Free publications are available to download or order via WaterMatters.org for residents within the District. These publications include posters, student worksheets, teacher guides, bookmarks, recreation guides, informational brochures, tip cards and more on a variety of topics related to the District's mission, including conservation.

The District also supplies water-conserving items, such as leak detection tablets, sink aerators, low-flow showerheads and water-efficient spray nozzles at public events, presentations, workshops and to partner organizations. Education materials are provided concurrently to reinforce water conservation.

Youth Education

The District provides funding to school districts within our region to help support water conservation education both in and out of the classroom. These programs allow students to gain the background knowledge to make informed decisions about water resources in the future. They include field trips, teacher trainings, classroom project supplies and Splash! school grants. Many free resources also are available to teachers, including free publications and materials, water education videos, virtual watershed excursions and the Classroom Conservation Challenge.

Social Media

The District uses social media to promote conservation through regular posts, including tips to residents on how to conserve water through infographics, videos and promotion of free publications and additional resources.

News Releases

The District issues news releases to inform the media and the public about District-initiated news and events, including those involving water conservation, such as water restrictions and conservation campaigns.

Speaking Engagements

Through the Speakers Bureau, District staff share their expertise with a wide variety of audiences. Frequently requested topics include water resources and water conservation. The latter focuses on the limitations of our water supply and how residents can help conserve water both in the home and in the yard. Learning about leak detection, rain sensors and other conservation measures helps to ensure that residents are well-informed and can act to conserve water.

Decision-Maker Water Schools

The District provides small grants for decision-maker water schools, which have a large focus on conservation. These programs provide elected officials, community leaders and other decision makers with factual information about their county's water resources and encourages improved public policy and decision making regarding water resource issues.

In FY2020 the District sponsored two water schools with a total of approximately 50 attendees.



Hydroponic growing towers installed by students as part of a Splash! school grant to learn about water conserving gardening practices.

VI. REGULATION

Water Use Permit Conditions

A Water Use Permit (WUP) allows withdrawal of a specified amount of water, either from the ground or from a lake or river. Upon submittal of a WUP application, the District's WUP Bureau evaluation staff determine if the use of water is reasonable and beneficial, does not interfere with any presently existing legal use of water and is consistent with the public interest. WUPs issued by the District contain standard and special conditions that mandate efficient use of water and conservation measures. Requirements include use of best management practices, leak detection and repair, inspections, water audits, water-conserving rate structures, a compliance per capita rate no greater than 150 gpcd and implementation of a Water Conservation Plan.

Water Conservation Plans

As part of the WUP process, all applicants for annual average quantities of 100,000 gallons per day or greater are required to implement a Water Conservation Plan. The plan must demonstrate that environmentally, technically and economically feasible water conservation measures applicable to the proposed use have been or will be employed. Water conservation measures that have been approved by the Governing Board by rule or water shortage order must be implemented. Where specific water conservation elements have been developed for specific use types, such as public supply or agriculture, these elements are incorporated into the permit.

Year-Round Water Conservation Measures

Year-round water conservation measures are part of District rules (Chapter 40D-22, Florida Administrative Code). The rule primarily focuses on allowable irrigation practices, including lawn and landscape watering, that are in place when there is no drought or other declared water shortage. The District generally uses the term "measures" instead of "restrictions" to distinguish the year-round practices from stricter watering limitations that can be imposed during a water shortage. These practices are meant to reduce wasteful irrigation habits and to help condition lawns for drought survival.

Water Shortage Plan/Orders

Water shortage orders are temporary water use restrictions and other requirements that are declared in accordance with a state-mandated water shortage plan. This plan is included in a District rule (Chapter 40D-21, Florida Administrative Code) that describes how the agency will monitor hydrologic conditions and make decisions to manage the impact of droughts and other water shortages. Management strategies include four phases of response and additional actions that can be implemented in emergency situations.



VII. RESEARCH

Water Conservation Research

The District provides annual funding to the University of Florida's Institute of Food and Agricultural Sciences (UF/IFAS) primarily for research projects involving agricultural best management practices, including those targeting water conservation. Additionally, funds have been awarded to research that relates to public supply conservation. UF/IFAS is a federal-state-county partnership that provides research and development for Florida's agricultural, human and natural resources, as well as related food industries.

From FY2005 through FY2020, the District has provided a total of \$9.96 million in funding toward 59 UF/IFAS research projects. In FY2020, the District provided \$497,943 in support of research projects, all of which involved water conservation.

Table 10. Current Governing Board-Approved Conservation Research Projects

Project #	Project Name	Crop Type/ Use	Funding Years	Total Project Cost	FY20 Funding Allocation
B413	Effect of Water Scheduling and Amounts on Growth of Young Citrus Trees in High Density Plantings	Citrus	FY2018-2020	\$168,623	\$28,623
B414	Blueberry Water Allocation and Irrigation Scheduling Using Evapotranspiration-based Methods	Blueberry	FY2019-2020	\$210,000	\$115,000
B415	Leaching Fraction-Adjusted Irrigation Impact on Nutrient Load and Plant Water Use	Nursery	FY2019-2020	\$81,320	\$38,320
B416	Improved Irrigation Management on Mature Citrus Trees Productivity in High Planting Densities	Citrus	FY2020-2022	\$192,015	\$96,000
B418	Soil Amendments and Maturing Landscapes for Reduced Irrigation Potential	Public Supply	FY2020-2021	\$50,000	\$30,000
B420	Compact Bed Geometries for Watermelon in Southwest Florida	Watermelon	FY2020-2022	\$282,460	\$90,000
B136	Florida Automated Weather Network Data Dissemination and Education	General Agriculture	FY2020-2024	\$500,000	\$100,000
Total				\$1,484,418	\$497,943

[illegible]

[illegible]



VISAV 2-21

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA.