



Florida Water StarSM Commercial and Institutional Program Requirements

The Florida Water StarSM Commercial and Institutional program certifies offices, retail and service establishments, and institutional and nonindustrial buildings. Use this form to enter all relevant project information.

Certification date	
Certifier	

Project Information

Project name	
Project address	
County	
Project type	
Water management district	
Project area	
Building area	
Landscaped area	
Irrigated area	
Number of stories	
Projected occupancy	
Water provider	

Development Team Information

Role	Name	Company	Email	Phone
Developer				
Architect				
Plumbing designer				
Plumbing installer				
Irrigation designer				
Irrigation installer				
Landscape designer				
Landscape installer				

Indoor Requirements

This form is used to demonstrate compliance with Florida Water StarSM Commercial/Institutional indoor requirements.

General

IN 1	All appliance water supply lines are reinforced.	
IN 2	Quarter turn valves used for all toilet and faucet connections.	
IN 3	Quarter turn valves used for all appliance connections.	

Fixtures

IN 4	Toilets are high-efficiency, 1.28 gallons/flush, with a UNAR MaP rating above 350 grams per flush. WaterSense [®] -labeled toilets comply.	
IN 5	Urinals are high-efficiency, 0.5 gallons/flush.	
IN 6	Lavatory non-metering sink faucets have flow rates of 0.5 gallons/minute or less.	
IN 7	Metering lavatory sink faucets have flow rates of 0.25 gallons per metering cycle or less.	
IN 8	Shower stalls have a single showerhead with flow rate of 2.0 gallons/minute or less, or are WaterSense [®] -labeled.	
IN 9	Pre-rinse spray valves use 1.25 gallons/minute or less.	

Appliances

IN 10	Dishwashers use less than 5.8 gallons/cycle. ENERGY STAR [®] models qualify.	
IN 11	Commercial dishwashers are ENERGY STAR [®] -labeled.	
IN 12	Residential clothes washer have water factor of 6 or less. ENERGY STAR [®] models qualify.	
IN 13	Commercial clothes washers have water factor of 8 or less. ENERGY STAR [®] models qualify.	
IN 14	Ice machines are ENERGY STAR [®] -labeled.	
IN 15	Commercial food steamers are ENERGY STAR [®] -labeled.	
IN 16	Commercial woks are waterless.	
IN 17	HVAC cooling tower equipment meets Florida Water Star SM requirements as specified in the technical manual.	

Additional Requirements

Applicants must attach a schedule of fixtures and appliances that contains the quantity of each fixture/appliance, product model numbers, water use specifications, and indication of ENERGY STAR[®] or WaterSense[®] labeling.

Irrigation Requirements

This form is used to demonstrate compliance with Florida Water StarSM Commercial/Institutional irrigation requirements.

General Design

IR 1	Irrigation zones for turf grass and landscape beds are separate.	
IR 2	Sprinklers and emitters are located a minimum of 2 feet from structures.	
IR 3	Irrigation system is free from leaks.	
IR 4	Sprinklers in low-lying areas have check valves.	
IR 5	Sprinklers rise above turf grass height.	
IR 6	Application occurs in correct spray patterns, minimizing overspray on impervious surfaces.	

Uniformity

IR 7	Pipes are sized to prevent velocities greater than 5 feet per second.	
IR 8	Precipitation rates for all sprinklers within a zone are matched.	
IR 9	Pressure differential between any heads within an irrigation zone shall not exceed 10% of the lower-pressured head.	
IR 10	Head spacing does not exceed 50% of the nozzle throw diameter.	
IR 11	All zones are pressure regulated at the manufacturer's specified pressure for the sprinklers/emitters installed within the zone.	
IR 12	Variable-arc nozzles (VANs) are only used to irrigate unevenly shaped turf grass areas that cannot be effectively irrigated with fixed-spray nozzles.	

Operation and Scheduling

IR 13	A device with rain shut-off capabilities is installed in an operable location and is functioning.	
IR 14	The irrigation schedule for maintenance does not exceed 20 inches (12.5 gallons) per square foot annually, and the controller is set in compliance with water management district watering restrictions.	

Water Budget Compliance

Applicants must attach a water budget compliance report. It is recommended that the Florida Water StarSM Water Budget Calculator be used. For more information, see the Florida Water StarSM technical manual web pages.

Landscape Description and Design Requirements

This form is used to demonstrate compliance with Florida Water StarSM Commercial/Institutional landscape requirements.

Site Characteristics

Hardiness Zone	pH	Soil Moisture	Sun	Salinity

Include details about site elevation, topography, soils, existing trees, shading from buildings, etc. Go to the Florida Water StarSM technical manual web pages for examples of submittals.

Requirements

LS 1	No invasive exotic plant species are on-site.	
LS 2	For in-ground irrigation systems, turf grass and landscaped bed areas are distinctly separate.	
LS 3	Root balls are at least 2.5 feet on center from the foundation of structure.	
LS 4	Plants are spaced for growth to maturity.	
LS 5	Plant selections are compatible with site-specific growing conditions such as sunlight, soil type and salinity.	
LS 6	Plants are grouped by similar moisture and maintenance requirements.	

Project Submittals

General

Certificate of occupancy

Indoor

Plumbing design

Schedule of fixtures/appliances

Irrigation Documents

Irrigation design

Irrigation zone table

Water budget calculations

Landscape Documents

Landscape design

Plant palette

Operation and maintenance plan
