OUTSTANDING FLORIDA SPRINGS

**SUPPLEMENTAL CONSERVATION MEASURES**

Draft language for discussion

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# General Provisions

These Supplemental Conservation Measures are adopted by the Department of Environmental Protection (Department) in Rule 62-41.403, F.A.C., and apply to consumptive use permit applicants and permittees upon issuance or major modification of a consumptive use or water use permit to provide reasonable assurance that the water use permit continues to meet the conditions for issuance for those with the potential to impact an Outstanding Florida Spring (OFS).

# Public Water Supply Water Conservation Measures

In addition to the water conservation plan requirements in the applicable Water Management District’s (District) applicant’s handbooks, a public supply permittee with the potential to impact an OFS shall implement additional conservation measures.

## 2.1 Water Conservation Public Education Program

For public supply permittees with an annual average daily quantity of 1 million gallons per day (mgd) or greater, a water conservation plan must include a public education program that consists of the 10 sub-elements listed below tailored to best suit the individual circumstances of the utility to the maximum extent possible. For any sub-element identified by the permittee to not be feasible, the water conservation plan shall include an explanation detailing why specific sub-elements are not feasible. For public supply individual permittees with an annual average daily quantity of less than 1 mgd, a water conservation public education program shall consist of at least the first three (1–3) of the sub-elements listed below. Implementation of sub-elements may be achieved through collaboration with other utilities, local governments, water management districts, or other entities. For each educational sub-element included in the applicant’s program, the applicant’s program shall identify the frequency, duration, and implementation schedule for the sub-element, including:

1. Provide water conservation information in customer bills, including electronic billing, or separate mailings or e-mails;
2. Provide water conservation information posted on the applicant’s website;
3. Provide water conservation information to customers regarding year-round landscape irrigation conservation measures;
4. Provide water conservation speakers, posters, literature, videos, and/or other information to schools and community organizations;
5. Provide water conservation public service announcements;
6. Provide public water conservation exhibits in public places such as trade shows, festivals, shopping malls, utility offices, and government buildings;
7. Provide water conservation articles and/or reports to local news media;
8. Implement a water audit customer assistance program to address indoor and outdoor water use;
9. Provide landscape irrigation audits and irrigation system operating instructions to local businesses and residents;
10. Provide other means of communication proposed by the applicant, which may include construction, maintenance, and publicization of water efficient landscape demonstration projects.

The implementation of these public education sub-elements shall be reported in Part C of Form XXX, Public Supply Annual Report (PSAR), for public supply utilities required to complete a PSAR as described in section 2.2.1.

## 2.2 Public Supply Water Conservation Reporting

Unless the District has adopted rules that are equivalent or more stringent for water conservation reporting, this section shall apply to all public supply permittees with an annual (January 1–December 31) average daily quantity of 1 mgd or greater and whose commercial, industrial, and institutional water use is less than 30 percent of its total water use.

### 2.2.1 Public Supply Annual Report

The permittee is required to submit a completed Form XXX, Public Supply Annual Report (PSAR), by April 1 of each year to the applicable water management district, unless the applicable water management district has adopted an alternative Public Supply Annual Report by rule.

### 2.2.2 Residential Per Capita Goal

The permittee shall demonstrate annual progress toward a goal of an average residential per capita daily water use rate of no greater than 100 gpcd, or a 6% reduction of the average residential per capita daily water use every 5 years. The residential per capita water use shall be calculated as the amount of water used by residential dwelling units divided by the residential population served. The residential population served can be estimated as the number of residential dwelling units served multiplied by the average persons per household derived from US Census data. Utilities can account for seasonal population as appropriate. A permittee that does not achieve the residential per capita goal as reported in 2.2.3 shall submit a plan and implementation timeline to achieve and maintain the goal.

### 2.2.3 Public Supply Water Conservation Evaluation

The permittee shall evaluate the effectiveness of their water conservation plan every five years and include the evaluation in the PSAR required in section 2.2.1. The evaluation shall also include data analytics used to demonstrate the effectiveness of the water conservation program. The report shall describe how programs are implemented to maximize conservation potential and quantify any savings achieved. Additionally, the evaluation shall include the average residential per capita daily water use for the preceding five years and, as required by section 2.2.2., any required implementation plan. This evaluation shall be submitted to the District by April 1st every five years following permit issuance.

# Agricultural Water Conservation Measures

Agricultural water use permittees shall take reasonable actions to maintain their irrigation system efficiency throughout the term of the permit. Reasonable actions are those that are technically, environmentally, and economically feasible and include retrofitting irrigation systems over time, regular maintenance, leak detection, and following other manufacturer recommendations.

## 3.1 Agricultural Conservation Plan

Consistent with the water conservation plan requirements in the applicable Districts’ applicant’s handbooks, a permittee with a total allocation greater than 1 mgd and who has the potential to impact an Outstanding Florida Spring shall implement agricultural conservation measures included below:

1. The Permittee shall demonstrate implementation of the elements in the water conservation plan upon application for renewal, major modification, or as part of any compliance review required pursuant to section 373.236, F.S.
2. The Permittee shall annually evaluate the efficiency of each of its irrigation units and undertake necessary maintenance, repairs, and upgrades to provide for the proper efficiency of its equipment. The Permittee shall maintain and repair the irrigation system to avoid the inefficient use of or loss of water through pipe leaks, broken sprinkler heads, and clogged emitters. The Permittee shall maintain the irrigation system to prevent wasteful runoff from the property associated with irrigation.
3. The Permittee shall provide a description of water conservation and efficiency measures currently implemented or planned to be implemented during the permit duration to minimize groundwater withdrawals. Measures may include, but are not limited to: irrigation system evaluation using the Mobile Irrigation Lab (MIL); irrigation system upgrades to improve efficiency; improvements to the operation and management of irrigation systems; enhancing reuse and recycling; limiting irrigation to early morning or evening hours to minimize evaporative losses; and other Best Management Practices (BMP), including enrollment in the Florida Department of Agriculture and Consumer Services’ BMP program. The Permittee must track implementation of these agricultural conservation measures and report them with the submission of any required conservation plan upon application for renewal, major modification, or as part of any compliance review required pursuant to section 373.236, F.S.

# A Commercial/Industrial/Institutional (CII), Landscape Recreation (LR), and Mining/Dewatering (MD) Water Conservation Measures

All CII, LR and MD applicants or permittees, with an authorized or requested water use allocation greater than 100,000 gpd, shall evaluate the effectiveness of the water conservation plan and update their existing water conservation plan upon application for renewal, major modification, or as part of any compliance review required pursuant to section 373.236, F.S.

The applicant or permittee shall list any applicable practice(s), measure(s), program(s), device replacement(s), or other actions being implemented as part of their water conservation plan to improve or maintain expected water use efficiency. The evaluation must include an assessment of the effectiveness of activities taken to improve or maintain water use efficiency and include estimated water savings for those activities, where applicable. Additionally, the applicant or permittee must include projected water conservation activities and benefits associated with those practice(s), measure(s), program(s), device replacement(s), improvements to facility or manufacturing designs, which improve or maintain the applicants or permittee’s water use efficiency.

# Form XXX: Public Supply Annual Report

**For Individual Permits over 1 MGD Annual Average Quantities**

## PART A: Residential Per Capita Water Use Rate

Please submit water use information for January 1 – December 31, 20\_\_. The information included in this form is required to be submitted as a condition on your Consumptive Use Permit (CUP).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUP No.(s):** | | | **Reporting period (mo/yr - mo/yr):** | |
| **Issue Date (of the most recent revision of the CUP):** | | | **Contact Phone #:** | |
| **Permittee Name:** | | | **Contact Name:** | |
| **Address:** | | | **County:** | |
|  | **Equation Component** | **Water Use Category** | | **Annual Average Quantity** |
| **1** | **SF** | **Single Family** Dwelling Unit total number of gallons supplied per reporting period. | | gpd |
| **2** | **MF** | **Multiple Family** Dwelling Unit total number of gallons supplied per reporting period. | | gpd |
| **3** | **MH** | **Mobile Home** Dwelling Unit total number of gallons supplied per reporting period. | | gpd |
| **4** | **RI** | **Residential Irrigation** Accounts total number of gallons supplied per reporting period. | | gpd |
| **6** | **Utility Service Area Finished Water Use by Dwelling Units =**  **SF + MF + MH + RI** | | | **gpd** |
| **7** | **RP** | **Utility Service Area Residential Population Served** | | # of people |
| **8** | **Residential Per Capita = (SF + MF + MH + RI)/RP** | | | **gpcd** |
|  |  |  |  |  |

**Definitions for Part A:**

Note: Utilities serving municipalities shall provide dwelling unit, use, and connection data for all accounts regardless of whether they are categorized as “inside” or “outside” city for rate purposes. Dwelling units that are intended as public accommodations shall not be included in dwelling unit counts if they are also used in the calculation of tourist population.

**Single Family Dwelling Units (SF):** These are single, detached dwelling units intended for private

residential use, whether individually or master-metered. If the utility categorizes mobile homes or duplexes as single family dwelling units that is acceptable if noted and they are not counted in other dwelling unit categories. Provide the number of single family units served (not

accounts/connections) and the number of metered connections serving these units.

**Multiple Family Dwelling Units (MF):** These are attached dwelling units in structures containing two or more residences, whether individually or master-metered. Provide the number of dwelling units served (not accounts/connections) and the number of metered connections serving these units. If the utility categorizes mobile homes as multi-family units, that is acceptable if noted and they are not counted in other dwelling unit categories. Data associated with multifamily dwelling units such as water use and metered connections must be reported as residential, even though classified as commercial by the utility.

**Mobile Home Dwelling Units (MH):** Dwelling units capable of being moved from one location to

another. This excludes manufactured or prefabricated housing that are not intended to be moved. If mobile homes are counted as single family dwelling units by your utility, they can be included under the single family dwelling unit category, but not both mobile home and single family. Mobile homes can be counted as multiple family dwelling units if so categorized by your utility, but not both mobile home and multiple family. Please note how mobile homes are being

categorized if other than in the mobile home category.

**Indoor/Outdoor Residential Use (RI):** Most residential water use is not metered separately for a

customer’s indoor and outdoor use. Thus, the metered water quantities on the single or master

meter will include both use types. However, if there is a separate meter for outdoor use (irrigation water for associated lawn and ornamentals) for any type of dwelling unit, that “outdoor” quantity is to be documented under the residential irrigation accounts water use.

**Residential Population (RP)**: The population within a utility’s service area, based upon total residential dwelling units served, which include Single Family Residential, Multi-Family Residential (apartments, townhomes, condos, duplexes) and Mobile Homes, multiplied by a utility-specific estimate of persons per household. Utility-specific persons per household should be based on a reasonable method of calculation, such as census-based averages, BEBR persons per household estimates, and utility documented surveys.

**Service Area Map**: Please review the public supply service area maps currently in the District's Geographic Information System (GIS) to determine if updating is necessary. Make any changes relative to the existing boundaries in the District’s layer and complete the service area information forms attached. If updating is not necessary, please indicate so.

## PART B. Residential Water Use

Please submit water use information for January 1 – December 31, 20\_\_.

**SERVICE CATEGORIES:** Quantities to be reported are **annual average gallons per day** (total number of gallons supplied per reporting period, divided by 365 days per year) and are to include both indoor and outdoor use, whether separately metered or not. On a separate sheet that must be submitted with this form, permittees are to document the methodology used to determine the number of dwelling units by type and their quantities used. Estimates of water use based on meter size will not be accepted. If mobile homes are included in the permittee’s multi-family unit category, the information for the mobile homes does not have to be separated.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Residential Water Service Category** | **Number of Dwelling Units** | **Number of Metered Connections** | **Annual Average (gpd)** | **% of Total** | **Documentation on an Attached Sheet** |
| **1.** Single Family Dwelling Units |  |  |  |  | **[ ] Yes [ ] No** |
| **2.** Multiple Family Dwelling Units |  |  |  |  | **[ ] Yes [ ] No** |
| **3.** Mobile Home Dwelling Units |  |  |  |  | **[ ] Yes [ ] No** |
| **4.** Residential Irrigation Accounts | N/A |  |  |  | **[ ] Yes [ ] No** |
| **5.** Total of Residential Service |  |  |  |  | **[ ] Yes [ ] No** |

## PART C: Public Education Implementation Form

Please submit public education information for January 1 – December 31, 20\_\_. The information included in this form is required to be submitted as part of your Public Supply Annual Report (PSAR). Requirements are given in detail in section 2.1.

*\*Add additional rows for other examples in each sub-element.*

|  |  |  |  |
| --- | --- | --- | --- |
| **SUB-ELEMENT** | **PLANNED FREQUENCY AND TOTAL NUMBER** | **FREQUENCY AND TOTAL NUMBER IMPLEMENTED** | **DETAILS AND COMMENTS**  ***(Include explanation here if a sub-element is not feasible)*** |
| 1. Customer bills / mailings |  |  |  |
|  |  |  |  |
| 1. Website education |  |  |  |
|  |  |  |  |
| 1. Information for customers on landscape irrigation restrictions |  |  |  |
|  |  |  |  |
| 1. Water conservation speakers, posters, literature, videos, and/or other information provided to schools and community organizations |  |  |  |
|  |  |  |  |
| 1. Public service announcements |  |  |  |
|  |  |  |  |
| 1. Water conservation exhibits |  |  |  |
|  |  |  |  |
| 1. Articles/reports to media |  |  |  |
|  |  |  |  |
| 1. Water audit customer assistance program to address indoor and outdoor water use |  |  |  |
|  |  |  |  |
| 1. Landscape irrigation audits and irrigation system operating instructions. |  |  |  |
|  |  |  |  |
| 1. Other means of communication or public education programs (which may include construction, maintenance, and publicization of water efficient landscape demonstration projects) not covered by this list. |  |  |  |
|  |  |  |  |