



# CONSUMPTIVE USE PERMIT

## Public Supply – Form E



### St. Johns River Water Management District

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500  
 Application forms may also be submitted electronically at [www.sjrwmd.com](http://www.sjrwmd.com).

#### SECTION E1 – SITE INFORMATION

1. Submit a map showing: [if available, provide items A through C in a District-approved electronic format, e.g. ESRI shapefile, AutoCAD, DXF, KMZ, or compatible GIS file]:
  - A. The Distribution Area boundary(ies) where service is currently being provided and where the utility is proposing to provide service during the permit duration;
  - B. The Authorized Water Service Area or Franchise Area boundary in which the utility is legally authorized to provide potable water service;
  - C. All existing and proposed withdrawal and connection point locations. Label all wells, pumps and connection points so they match the IDs provided in Section IV (Sources of Water) of the main application form (Form No. 40C-2.900(1), which is incorporated by reference in Rule 40C-2.900(1), F.A.C.);
  - D. A north arrow and map scale; and
  - E. Labeled landmarks such as major roads and political boundaries.

#### SECTION E2 – POPULATION AND PER CAPITA USE

1. Historical data must be provided for the previous five years (including the most recent calendar year) and projected use at a minimum of five-year intervals for the requested permit duration. If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank.

	Year	Average Number of Active Residential Connections	Total Number of Residential Dwelling Units (if available)	Residential Population Served <sup>1</sup>	Residential Water Use Average Day (mgd)	Uniform Residential Per Capita Use <sup>2</sup> (gpcd) <sup>3</sup>
Historical						
Projected						

<sup>1</sup> Calculated as the Average Number of Active Residential Connections or Total Number of Residential Dwelling Units multiplied by the average number of persons per household.  
<sup>2</sup> Calculated as Total Residential Water Use Average Day divided by Residential Population Served. Residential water use reflects finished water.  
<sup>3</sup> gpcd = gallons per capita per day

2. Please attach a description of the methodology used to estimate population. Include supporting calculations and describe any deviations from District-approved methods as outlined in the Applicant's Handbook.

**SECTION E3 – WATER DEMAND COMPONENTS**

**1. Historical and Projected Water Demands.**

If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank. Projections must be provided at a minimum of five-year intervals for the requested permit duration.

Year	Residential Water Use Average Day (mgd) (from Section E2 above)	Commercial / Industrial / Institutional <sup>1</sup> Average Day (mgd)	Recreation and Landscape Irrigation Average Day <sup>2</sup> (mgd)	Routine Exports Average Day <sup>3</sup> (mgd)	Other <sup>4</sup> (describe)  Average Day (mgd)	Water Utility <sup>5</sup> Average Day (mgd)	Water Losses <sup>6</sup> Average Day (mgd)	Water Treatment Reject <sup>7</sup> Average Day (mgd) (if applicable)	Annual Average Daily Raw Water Demand <sup>8</sup> (mgd)
Historical Water Demand									
Projected Water Demand									

<sup>1</sup> Metered bulk industrial and commercial use including businesses, manufacturing facilities, and institutions such as schools and hospitals, including irrigation uses associated with these facilities whose irrigation source is provided by the utility.

<sup>2</sup> Use for irrigation of common areas such as parks, athletic fields, cemeteries, medians, and rights-of-way.

<sup>3</sup> Water routinely supplied to other utilities through interconnections.

<sup>4</sup> Examples of "Other" could include supplementation of a reclaimed water system, environmental restoration, or other uses not listed above.

<sup>5</sup> Water used for line flushing, well lubrication, and other water system maintenance.

<sup>6</sup> Water losses including leakage from transmission and storage facilities and other unknown water losses.

<sup>7</sup> Reject water from treatment systems such as reverse osmosis

<sup>8</sup> The annual average day raw water demand; should represent the sum of the columns to the left.

- Attach a description of the methodology used to develop projections for each column in the Projected Water Demands table above. Include supporting calculations and describe any deviations from District-approved methods as described in the Applicant's Handbook.

**SECTION E4 – HISTORICAL AND REQUESTED WATER USE**

**1. Historical and Projected Water Supply Sources**

Provide the historical and projected water supply from each source. Sources include any bulk water purchases or transfers. The sum of all sources should equal the Annual Average Daily Raw Water Demand.

	Year	Requested Amounts and Source(s) of Water (mgy)				
		Annual Average Daily Raw Water Demand (mgd) Section E3 Table 1	Source 1 Name <sup>1</sup> <hr/> (mgy)	Source 2 Name <hr/> (mgy)	Source 3 Name <hr/> (mgy)	Source 4 Name <hr/> (mgy)
Historical Water Supply						
Projected Water Supply						

<sup>1</sup> Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake

**2. Wellfield Operation Schedule**

Describe the typical wellfield operation schedule, including source and/or facility specific allocations if applicable. Identify which wells are primary, secondary (peaking), stand-by, and describe the well rotation schedule.

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## SECTION E5 – REUSE FEASIBILITY

For public water supply utilities that operate a domestic wastewater treatment facility, please provide an analysis of the economic, environmental, and technological feasibility of making reclaimed water available or increasing reclaimed water availability for beneficial reuse. Pursuant to subsection 403.064(6), F.S., a reuse feasibility study prepared in accordance with subsection 403.064(2), F.S., satisfies the requirement to conduct a reuse feasibility study.

## SECTION E6 – WATER CONSERVATION

### 1. CONSERVATION

Please attach a copy of the conservation plan, and include a copy of any water conservation ordinances related to the plan. If your facility is located in a Water Resource Caution Area, there may be additional water conservation requirements as described in section 2.2.2.5 of the Applicant's Handbook.

- A. Indicate whether the conservation program is a Standard Conservation Plan or a Goal-based Plan.
- Standard Conservation Plan       Goal-based Plan
- B. Please attach a copy of the current water rate structure.