WATER USE PERMIT APPLICATION
Public Supply Use
Supplemental Form E

South Florida Water Management District
3301 Gun Club Road, West Palm Beach, Florida 33406 (561) 686-8800
www.sfwmd.gov/regpermitting

SECTION E1 – SITE INFORMATION (Location/Site Maps)

Submit a map showing (if available, provide items A through F 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 locations and monitor wells. Label all wells, pumps and culverts so they match the IDs provided in the Application form (Section IV - Sources of Water);
D. Locations of interconnections with other utilities;
E. A north arrow and map scale; and
F. Labeled landmarks such as major roads and political boundaries.

SECTION E2 – WATER DEMAND COMPONENTS, POPULATION AND PER CAPITA USE

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.

Past Treated Water Use

	Year	Population	Unit	Residential Treated Use (mgd)		Industrial / Commercial Treated Use[1] (mgd)	Treated Landscape and Recreation Irrigation Average Day[2] (mgd)	Other Treated Metered Uses[3] (mgd)	Unaccounted Treated Uses[4] (mgd)	Large User's Agreement Treated Deliveries[5] (mgd)	Total Treated Water[6] (mgd)	Treated Per Capita (gpcd)
				Single Family	Multi-Family							
Historic			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									

Incorporated by reference in rule 40E-2.101 (F.A.C.)
Form 1384 (2014-07)

Projected Treated Water Use

	Year	Population	Unit	Residential Treated Use (mgd)		Industrial / Commercial Treated Use[1] (mgd)	Treated Landscape and Recreation Irrigation Average Day[2] (mgd)	Other Treated Metered Uses[3] (mgd)	Unaccounted Treated Uses[4] (mgd)	Large User's Agreement Treated Delivered[5] (mgd)	Total Treated Water[6] (mgd)	Treated Per Capita (gpcd)
				Single Family	Multi-Family							
Projected			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									
			U									
			P									
			UxP									

U = Number of units P = Per-unit water demand UxP = Total water demand

[1] 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.
[2] Use for irrigation of common areas such as parks, athletic fields, cemeteries, medians, and rights-of-way.
[3] Examples of "Other" could include supplementation of a reclaimed water system, or other uses not listed above.
[4] Water losses due to leaks, unmetered use, firefighting, etc.
[5] Water delivered to others through interconnections.
[6] The annual average day treated water demand; should represent the sum of the columns to the left.

Please explain the type of unit as defined in your service area / billing system:

_____

_____

_____

Please describe the treatment method by plant, percent of product (usable water), the percent of reject (unusable) water, and the manner in which reject water will be disposed.

_____

_____

_____

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Raw Water Use

	Year	Population	Total Treated Water Use (from above in mgd)	Treatment Losses[1] (mgd)	Large User's Agreement Raw Delivered[2] (mgd)	Large User's Agreement Raw Received[3] (mgd)	Total Raw Water Use[4] (mgd)	Raw Per Capita Use (gpcd)	Maximum Monthly Use (mgd)	Ratio Max : Average[5]
Historic										
Projected										

[1] System losses for water that must undergo a treatment process, reject water from treatment systems such as reverse osmosis returned to head of plant.
[2] Water delivered from others through interconnections.
[3] Water received from others through interconnections.
[4] The annual average day raw water demand; should represent the sum of the columns to the left except for raw received, which should be subtracted.
[5] The maximum monthly to average monthly peaking ratio, as calculated pursuant to Section 2.3.2.2.F.4 of the Applicant's Handbook.

1. 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.
2. Attach additional information supporting raw per capita daily water use greater than 200 gallons per capita per day.
3. For those utilities which provide water to other entities through large user's agreements or other similar contracts, the quantity of water delivered to each end user (both average and peak day) and the duration of the water service delivery shall be identified. For those utilities which purchase supplemental water from another utility, the volume of water historically purchased (or contracted to be purchased for proposed uses) for both an average and maximum daily basis and the duration of the contract shall be provided.

SECTION E3 – REUSE FEASIBILITY

Please refer to District specific requirements, in the Applicant's Handbook, Section 2.2.

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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^2/MGM^3)				
		Annual Average Daily Raw Water Demand (mgd) Section E2 Raw Water	Source 1 Name[1] _____ MGY^2/MGM^3	Source 2 Name _____ MGY^2/MGM^3	Source 3 Name _____ MGY^2/MGM^3	Source 4 Name _____ MGY^2/MGM^3
Historical Water Supply			/	/	/	/
			/	/	/	/
			/	/	/	/
			/	/	/	/
			/	/	/	/
Projected Water Supply			/	/	/	/
			/	/	/	/
			/	/	/	/
			/	/	/	/
			/	/	/	/

[1] Provide the name of the water source. Examples include the Upper Floridan aquifer and the Biscayne aquifer.
[2] MGY =Million gallons per year of water to be withdrawn over a 12-month time period. (i.e. 1,500,000 gallons each day/1,000,000 = 1.5 x 365 = 547.5).
[3] MGM = Maximum million gallons per month of water to be withdrawn in any single month.

2. **Wellfield Operation Schedule -** Attach or provide a description of 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 – WATER CONSERVATION

Please attach a copy of the conservation plan as described in Subsection 2.3.2 of the Applicant's Handbook, and include a copy of any water conservation ordinances related to the plan.

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Indicate whether the conservation program is a Standard Conservation Plan or a Goal-based Plan.

❑ Standard Conservation Plan ❑ Goal-based Plan

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