

Chapter 5B: Alternative Water Supply Annual Report

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INTRODUCTION

Due to the limitations that exist on development of traditional freshwater sources within the South Florida Water Management District (SFWMD or District), most future increases in water needs will be met primarily through development of alternative water sources. Alternative water sources include nontraditional water supplies, such as brackish groundwater, surface water captured during wet weather, and expansion of reclaimed water systems. The District's grant program to support development of Alternative Water Supply (AWS) projects has been successful for more than a decade. Since 1996, this program has approved \$196 million for the construction of over 400 AWS projects.

In 2005, the Florida legislature revised state law and created the Water Protection and Sustainability Program (WPSP), or Senate Bill 444, which established annually recurring state funding (that must be matched by the water management districts) to support AWS development. Pursuant to Chapter 373.1961(2), Florida Statutes (F.S.), legislation requires each water management district to submit an annual report to the Florida legislature and governor on AWS funding efforts. State and SFWMD matching funds are administered through the District's Alternative Water Supply Funding Program and are only available for construction.

Prior to 2005, the District had provided annual grants to entities pursuant to Chapter 373.1961, F.S., which directed the water management districts to share their *ad valorem* tax revenues with public and private entities willing to develop suitable alternative water resources. During the three years preceding the WPSP legislation, Fiscal Years (FY) 2003 through 2005 (FY2003–FY2005) (October 1, 2002, through September 30, 2005), the District funded 79 projects with \$14.8 million that created 109 million gallons per day (mgd) of additional alternative water capacity. From FY2006 to FY2009, the District approved over \$158 million in funding (including WPSP funds) for 254 projects that created 403 mgd of additional alternative water capacity.

FISCAL YEAR 2010 PROJECT FUNDING

Due to budget constraints at the state and local level, the state of Florida and the District have not allocated funding for Alternative Water Supply projects in the FY2010 budget. Consequently, the solicitation process did not occur and the District did not accept applications for FY2010. Items budgeted for FY2010 include Big Cypress Basin (BCB) projects (**Table 5B-1**) and two projects carried over from FY2009: (1) City of Doral, JC Bermudez Park Reclaimed Graywater Irrigation Project – \$1,000,000, and (2) City of Hialeah, 10 mgd Reverse Osmosis Water Treatment Plant – \$5,441,100. The City of Hialeah is a multiyear contract and the project is expected to be completed by the end of FY2010. The City of Doral funding amount remains unencumbered and unspent.

Table 5B-1. Overview of Alternative Water Supply projects for Fiscal Year 2010 (FY2010) (October 1, 2009–September 30, 2010).

Project Name	Entity Name	Alternative Water Source	Region	County	FY2010 Start Date	Phase Water Made Available (MGD)	Total Water Made Available (MGD)	FY2010 Construction Cost	SFWMD Funding
AWS Local Projects (Naples, Collier County, and Everglades City) ¹	Multiple	Reclaimed	BCBB	Collier - BCBB	October 2009	0.00	0.00	\$0	\$200,000
Irrigation Quality Booster Station	Collier County Utilities - BCBB	Reclaimed	BCBB	Collier - BCBB	October 2009	0.00	0.00	\$1,300,000	\$200,000
Water Reclamation Facility Pond Liner	Collier County Utilities - BCBB	Reclaimed	BCBB	Collier - BCBB	October 2009	10.00	23.00	\$800,000	\$200,000
Reuse Water Production Facility	Marco Island - BCBB	Reclaimed	BCBB	Collier - BCBB	October 2009	2.00	3.00	\$10,000,000	\$460,000
ASR Well #2 Waste Water Treatment Plant	Naples - BCBB	ASR	BCBB	Collier - BCBB	October 2009	0.00	0.00	\$1,275,000	\$200,000
AWS Program ¹	Everglades City - BCBB		BCBB	Collier - BCBB	October 2009	0.00	0.00	\$0	\$110,000
Big Cypress Basin Total						12.00	26.00	\$13,375,000	\$1,370,000

¹Information on construction costs and water made available to be provided during FY2010
 ASR – Aquifer Storage and Recovery
 BCBB – Big Cypress Basin Board