



Lower West Coast: Wrap Up & Next Steps

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LWC Plan Update – WRAC Issues Workshop # 4
SFWMD Big Cypress Basin Facility, Naples, FL
SFWMD Lower West Coast Service Center, Ft. Myers, FL
April 4, 2012

Water Supply Development Projects

- Public and private facilities for water production, collection, treatment and transmission for sale to end users
- Projects needed to meet future demands



LWC Potential Water Supply Projects FY 2010 -2030

- Plant facility phased projects submitted
 - 35 Proposed Public Water Supply Projects



UTILITY SUMMARY WORKING DRAFT

County: Sample County
Supply Entity: Sample County Utilities
Local Government Served: Unincorporated Sample County (portion), Plain City, Park Place and City of Coolville (portion).

Description: Water supplies are comprised of 45 percent traditional groundwater supplies and 55 percent brackish groundwater, and are projected to be 31 percent traditional and 69 percent alternative water supplies in the future.

Bulk Water: Sample County has an interlocal agreement with the City of Coolville to provide bulk alternaive water from 0.50 to 1.2 MGD from 2009-30.

Utility Purchases: Sample County has contracted to purchase one existing utility, Regional Utility by late 2010. Sample County plans on connecting this utility to their water system by mid 2011.

POPULATION AND DEMANDS	Historical	Projected		
	2005	2010	2020	2030
Population	68,820	75,500	90,868	109,316
Per Capita (gallons per day finished water)	129	129	129	129
Potable Water Demands (daily average annual finished water in MGD)	8.79	9.74	11.72	14.10
FACILITY PRODUCTION CAPACITY				
FDEP Facility Design Capacity plus projects design capacity	Capacity	Cumulative Facility & Project Capacity		
	MGD 2005	2010	2020	2030
Water Source: Surficial	4.50	4.50	4.50	4.50
Floridan	5.50	6.50	9.00	11.00
Total Capacity	10.00	11.00	13.50	15.50
Non-potable Water				
Source: Reclaimed	2.00	8.00	9.00	9.00

PROJECTS SUMMARY					
Water Supply Facility Projects	Alt. Src.	Total Cap. Cost (\$ M)	Cumulative Design Capacity (MGD)		
			2010	2020	2030
Completed Brackish Projects (2006-07)	B	\$6.00	1.00	3.50	4.50
WTP RO expansion from 4.0 to 4.80	B	\$0.50	0.00	0.00	1.00
Brackish Total	B	\$2.50	1.00	3.50	5.50
Completed Reclaimed Projects (2006-08)	R	\$2.00	6.00	6.00	6.00
South WWTP expansion from 1.6 to 2.8 MGD	R	\$7.20	0.00	1.00	1.00
Reclaimed Total	R	\$9.20	6.00	7.00	7.00

Alternative sources legend: T=Traditional; B=Brackish; R=Reclaimed; C=Captured Storm/Surface Water; O=Other.
 Note: Methodology is being considered to reflect planned conservation water savings.
 SFWMD Consumptive Use Permit Number: 43-xxxxx-W, Annual Allocation: 15.0 MGD, Permit Expires: 2028

Tentative Lower West Coast Water Supply Plan Update Process

**Workshop 1 (December 2009)
Population, Public Water Demands - Estero**

Local Government Presentations

Report to WRAC (March 2010)

**Workshop 2 (March 2010)
Agriculture & Other Water Demands
MFLs & CERP Updates – Ft. Myers**

**Workshop 3 (May 2010)
Conservation, Water Resource and
Supply Development - Ft. Myers**

**Workshop 4 (April 2012)
Water Resource & Supply Development
Naples & Ft. Myers**

Distribute Draft Plan (July 2012)

**FDEP Review of Draft Plan
(July 2012 – September 2012)**

**Present Draft Plan to WRAC
(July/August 2012)**

**Present Draft Plan to Gov. Bd.
(July/August 2012)**

**Workshop 5 (August 2012)
Review Final Draft Plan**

Local Government Presentations

**Potential Workshop 6
If needed**

**Present Final Plan to WRAC
(October 2012)**

**Present Final Plan to Gov. Bd.
(October 2012)**



Lower West Coast Water Supply Plan Update Questions?

