

Status of Wastewater Implementation

February 2, 2011 – Revised Feb 6, 2011



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Monroe County, Sr. Administrator – Sewer Projects

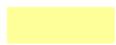


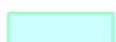
Status

- * Greatly improved treatment of effluent - identified as a cause of water quality degradation in the Florida Keys
- * Implementation Plan Progress
- * Service Area Specific Progress
- * Project Costs, Funding Sources, and Gap
- * Funding Summary
- * Opportunities

Florida Keys Progress

Service Area	EDUs	Status
Ocean Reef	1,800	Compliant
KLWTD	14,666	Phased Construction – Connection
Islamorada★	9,000	Design
Layton	350	Compliant
Duck Key/Conch Key	1,454	Under Construction
Key Colony Beach	1,502	Compliant
City of Marathon	8,665	Phased Construction – Connection
Cudjoe★	8,600	Ready to Proceed
Big Coppitt	1,713	Connection
Stock Island	2,750	Phase 1-3 Compliant
Key West	24,075	Compliant
Total	74,575	

 Compliant

 Project Funded and under Construction

EDU Equivalent Dwelling Unit

Improved Treatment

- * Almost 65% of the Florida Keys has been retrofitted with treatment facilities operating in compliance with Florida Statute 381.0065 (4) (I) and 403.086 (10) as amended by Chapter 2010-205 Laws of Florida.

Design	Construction	Compliant
21%	14%	65%
15,946	10,746	47,882

Key Largo Wastewater Treatment District

- * Service is available to 8,711 of the 14,666 Equivalent Dwelling Units (EDUs) in Key Largo.
- * Of these 2,143 are connected to the facility. Key Largo District is 15% connected.
- * Construction of Basins G, H, I, J, and K are anticipated to be complete by end of year.

Florida Keys Aqueduct Authority

- * Big Coppitt - Service is available to the Big Coppitt service area. 1,251 of the 1,713 EDUs are connected. Big Coppitt is 73% connected.



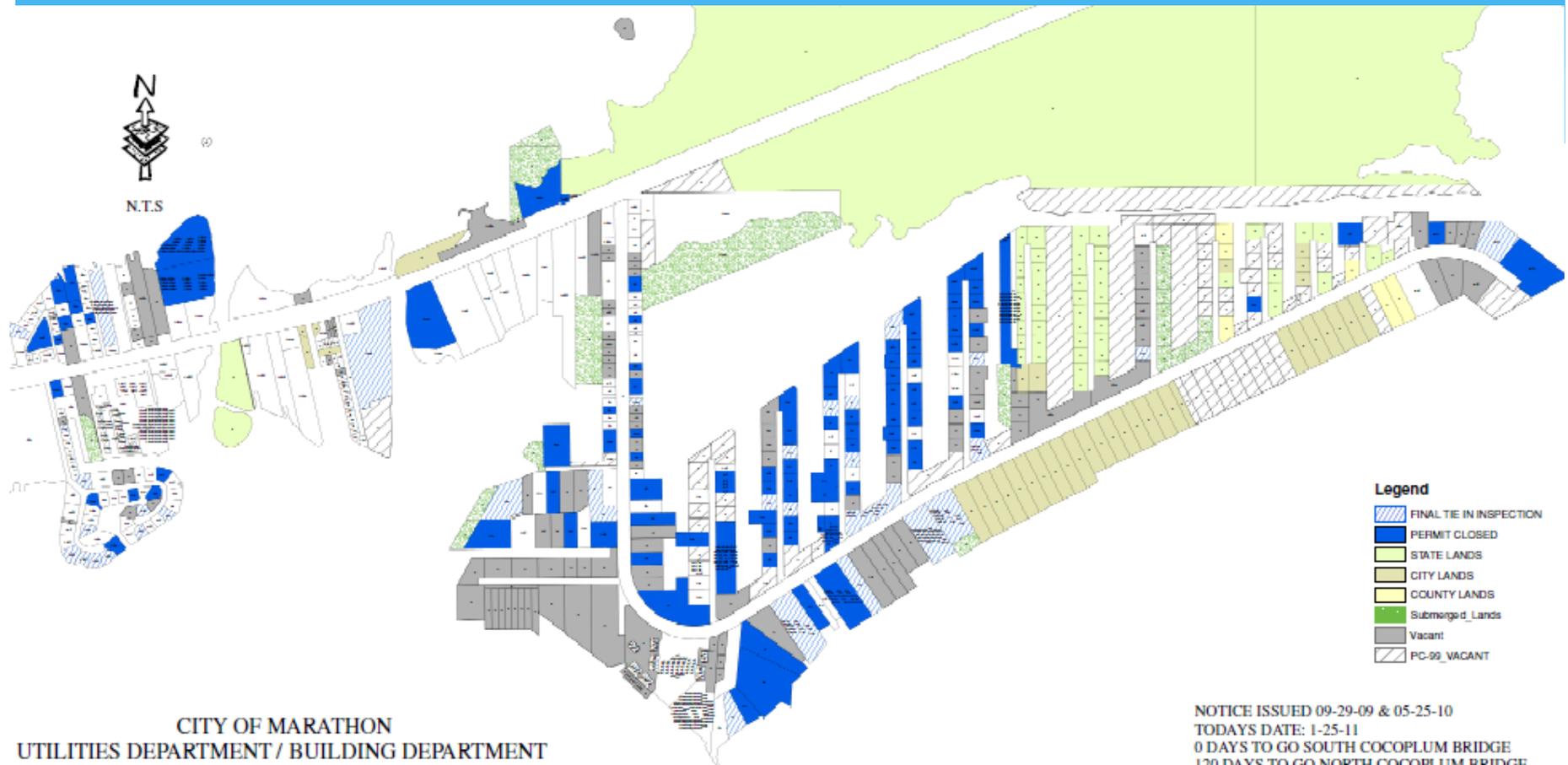
Florida Keys Aqueduct Authority

- * Duck Key - Construction of the Duck Key WWTP upgrade and expansion to serve Conch Key, Hawk's Cay and Duck Key is underway and anticipated to be complete next summer.
- * FKAA is working out final contract issues necessary to issue Notice to Proceed for first phases of collection system construction to connect almost 400 EDUs.

City of Marathon

- * Service is available to 4,268 of the 8,665 Equivalent Dwelling Units (EDUs) in Marathon.
- * Of these 1,309 are connected to the facility. Marathon is 15% connected.
- * Construction of Service Area 1, 3, 5, and 7 are anticipated to be complete by end of year.

City of Marathon



CITY OF MARATHON
UTILITIES DEPARTMENT / BUILDING DEPARTMENT
COOPERATIVE PERMIT INFORMATION

AS OF
1-19-11

FINAL INSPECTIONS-CONNECTIONS : 144
(Single Family-Multi Family-Marina)
PERMIT CLOSEOUTS : 102
CODE VIOLATIONS : 0

WEILER ENGINEERING CORPORATION 2010
DATE: 1-25-2011



Remaining Projects

- * Construction of the Islamorada and Cudjoe Regional projects representing approximately 17,600 EDUs remain to be built.



Costs - \$725 Million

Service Area	EDUs	Status
Key West	Complete	\$ 66.0
Layton	Complete	\$ 5.2
Baypoint	Complete	\$ 6.6
Big Coppitt	Complete	\$ 36.5
Ocean Reef	Complete - Local funds	\$ 32.5
Stock Island	Phase 4 Remains	\$ 4.0
Duck Key/Conch Key	73%	\$ 19.6
KLWTD	59%	\$ 143.9
City of Marathon	49%	\$ 112.9
Islamorada 	18%	\$ 142.4
Cudjoe 	0%	\$ 156.0
Total		\$ 725.6

Percentages reflect AWT availability within service area; costs do not include plumbing cost to connect homes.

Committed Funding - \$487 Million

Service Area	Committed Funding
Key West	\$ 66.0
Layton	\$ 5.2
Baypoint	\$ 6.6
Big Coppitt	\$ 36.5
Ocean Reef	\$ 25.1
Stock Island	\$ 4.0
KLWTD	\$ 135.6
City of Marathon	\$ 86.6
Duck Key/Conch Key	\$ 19.6
Islamorada 	\$ 39.7
Cudjoe 	\$ 54.3
Total	\$ 487.2

Funding Sources

- * Federal grants totaling \$55 Million have funded 8% of project costs . \$52 Million remains under WRDA.
- * State grants totaling \$51 Million have funded 7% of project costs. \$200 Million remains under Ch 2010-205.
- * Local funds totaling \$382 Million and includes sales tax revenue, capital development fees/assessments, ad valorem tax and rates.

Funding Gap- \$228 Million

Service Area	GAP
Key West	\$ -
Layton	\$ -
Baypoint	\$ -
Big Coppitt	\$ -
Ocean Reef	\$ 7.42
Stock Island	\$ -
KLWTD	\$ 8.31
City of Marathon	\$ 18.25
Duck Key/Conch Key	\$ 0.03
Islamorada 	\$ 102.67
Cudjoe 	\$ 101.71
Total	\$ 238.38

GAP represents difference between project costs and available funds

Funding Summary

- * Funding Gap to complete wastewater treatment upgrades in the Florida Keys has been reduced from \$336 Million in 2007 to \$238 Million today.
- * Achieved through the following:
 - * FY08 federal appropriation of \$24 Million,
 - * Increase in capital system fees (started at \$2700, proposed increase to \$5,700) charged to property owners,
 - * Construction market,
 - * Alternatives analysis (onsite example), and
 - * Inclusion of capital costs in monthly rate.

Funding Highlight

- * Appropriation of state and federal authorizations of \$200 Million (Everglades Restoration Fund) and remaining \$65 Million (Water Resources Development Act) would fund remaining Islamorada and Cudjoe projects.
- * These grants are not a sure thing and requirement for compliance is not dictated by availability of funds.
- * Monroe County and Islamorada are exploring all implementation options.

Opportunities

- * Monroe County, Marathon, and Islamorada jointly accessed Community Block Development Grant Disaster Recovery funds for connection assistance.
- * Program currently has 250 income qualified applicants and additional outreach is necessary to ensure funds are used.
- * The Cudjoe Regional project includes an onsite system installation and management program FCAA is developing. Onsite program committed funds include an EPA demonstration grant, but the EPA funding is not sufficient to install all systems.
- * The Monroe County Housing Authority has indicated that installation of onsite systems is an eligible cost.
- * Assuming all goes well and our success streak continues, housing grants may be utilized to bridge the funding gap to complete the onsite installations.