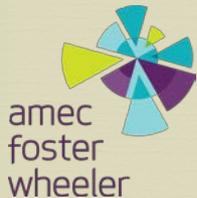


# Unincorporated Monroe County Canal Restoration Project Updates WQPP Canal Restoration Advisory Subcommittee Meeting – February 23, 2018



**Rhonda Haag**  
**Monroe County**



**Greg Corning, PE**  
**AMEC Foster**  
**Wheeler**



# Backfilling Project

## Canal #75 Rock Harbor, Key Largo

- A.** Adventure Environmental, \$1,216,000, was ranked #1 through the selection committee.
- B.** Funded from the \$1.5 Million FY16/17 Stewardship allocations
- C.** Contract issued on October 17, 2017, start date delayed due to Hurricane Irma.
- D.** NTP issued on February 7, 2018.
- E.** Adventure Environmental agreed to remove the marine debris from Hurricane Irma prior to backfill operations
- F.** Final completion of work anticipated no later than June 7, 2018



# CANAL SKIMMING PROGRAM

- A.** Potential alternative to installation of weed gate air curtain systems to remove floating seaweed & seagrass and debris.
- B.** Proposals opened on October 11, 2017 in response to the RFP for *canal floating vegetation and debris removal and hauling*
- C.** Adventure Environmental, Inc. was the selection committee's top ranked vendor
- D.** Initial 6 month demonstration program covers 86 canals in Key Largo. May expand beyond Key Largo canals at BOCC option.
- E.** Funded by \$147,168 from the \$1.5 Million FY16/17 Stewardship allocation
- F.** Contract executed on January 17, 2018
- G.** Anticipated start date of 03-1-18, end date of 11-30-18. 9 months total.
- H.** Contractor to establish and advertise a hotline for residents to report hot spots.



# ALTERNATIVE CANAL RESTORATION TECHNOLOGY

## AUGMENTED AERATION TASK ORDER TERMINATION

- EPA funded an alternatives analysis in 2015 to evaluate more cost effective technologies than the expensive organic muck removal.
- Proposals opened on April 25, 2017 in request to the Augmented Aeration Water Quality Improvement Projects RFP. 2 vendors responded: Allied Group and Earthtech. Both were recommended for further research based on the selection committee review process.
  - Both proposals include the use of imported aerobic bacteria (microbes) to be combined with aeration to reduce organic muck
- BOCC approved moving forward with permitting process on May 17, 2017.
- Pre applications meetings were held with regulatory agencies and additional information was requested on the technologies.
- Proposals were presented to the December 7, 2017 FKNMS Canal Advisory Subcommittee, with additional input from the FKNMS Technical Advisory Committee members.
- FKNMS Canal Advisory and TAC members requested both projects be stopped until and unless extensive research could be completed on the potential environmental risks of introducing microbes into canal waters that could impact nearshore Sanctuary waters and marine life.
- The County has received homeowner request for assistance with degraded water quality within plugged canals, are there concerns potentially evaluating the augmented aeration technologies in these systems?

# **RAD & Canal / Nearshore Water Quality Monitoring**

- 1. FDEP will provide 50% funding and require 50% match from Stakeholders - rare for DEP to provide this type of funding**
  - a) DEP has requested the County obtain match from stakeholders**
  - b) County to reach out to municipalities for the cost of the monitoring conducted in their municipality. No other stakeholders to be contacted by the County for funding**
  - c) County unable to proceed with monitoring work in municipalities until agreement reached on funding**
  - d) Anticipated monitoring work to begin 2018**
- 2. FDEP has developed a scope of work and asked the County to issue an RFP and manage the contract**
- 3. County included canal / nearshore monitoring in unincorporated Monroe at its own cost**
- 4. RFP issued on February 2, 2018 and proposals due on March 20, 2018**

# Unincorporated Monroe County Canal Program Funding

- A. RESTORE Gulf Consortium Pot 3 - \$19 Million**
  - i. Application for the selected projects to be completed by Summer 2018**
  - ii. Allocated annually over 15 years – about \$1 Million/year**
  - iii. Paid out through the State Expenditure Plan**
  - iv. Must follow federal grant guidelines, rules and restrictions**
  - v. Funds available Fall 2018**
- B. FY17/18 State Stewardship Act –\$3.9 Million to County**
  - i. Potential use of money for Hurricane recovery**
- C. RESTORE Local Pot 1 - \$478K**
  - i. Application for the selected projects submitted in December 2017**
  - ii. Received comments on January 25, 2018**
  - iii. No guaranteed allocation per year**
- D. DEP Annual funding - \$100,000**
- D. Monroe County funding –amount to be determined**
- E. Homeowners – amount to be determined**